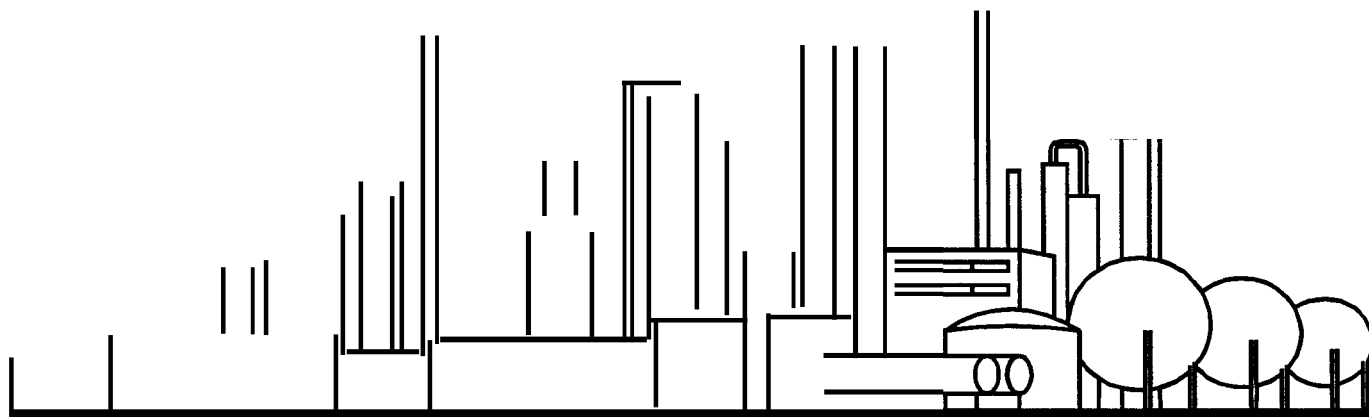


United States International Trade Commission

**SYNTHETIC
ORGANIC CHEMICALS**

**United States Production
and Sales, 1993**

**USITC PUBLICATION 2810
November 1994**



Seventy-Seventh Annual Edition

UNITED STATES INTERNATIONAL TRADE COMMISSION

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SYNTHETIC ORGANIC CHEMICALS

United States Production and Sales, 1993



***USITC Publication 2810
Investigation No. 332-135***

**United States International Trade Commission
Washington, DC 20436**

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CHAPTER 1 INTRODUCTION

This is the 77th annual report of the U.S. International Trade Commission on domestic production and sales of synthetic organic chemicals and the raw materials from which they are made. The report, along with the quarterly report titled *Preliminary Report on U.S. Production of Selected Synthetic Organic Chemicals (Including Synthetic Plastics and Resin Materials)*, is prepared under investigation No. 332-135, Synthetic Organic Chemicals Reports. This investigation is conducted under the authority of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1322(g)), for the purpose of collecting data and preparing public reports on synthetic organic chemicals, plastics materials, medicinal chemicals, pesticides, and other organic chemical products. The annual report presents data aggregated in the format of the *Harmonized Tariff Schedule of the United States (HTS)* on an 8-digit HTS basis. Data have been supplied by approximately 643 producers. Primary manufacturers of reported products are identified by manufacturers' names and/or divisions.

Data contained in this report are compiled primarily from Commission's questionnaires sent to domestic producers and represent the best data available to the Commission. The data include the total output of each company's plants, i.e., the quantities produced for consumption within the producing plant, as well as the quantities produced for domestic and foreign sale. The quantities reported as produced, therefore, generally exceed the quantities reported as sold. Some of these differences, however, are attributable to changes in inventory. While the data supplied in the questionnaires are checked against data previously supplied by the submitting firm and with data supplied by other domestic producers, data are not independently verified by direct Commission examination of the books of companies furnishing information. **Data** contained in this report should not be used for investment and other purposes without independent verification.

Three summary tables are provided to provide comparability to data published in previous years. Table 2-1 presents data aggregated by product use. Tables 2-2 and 2-3 provide data in a more detailed format for dyes and for synthetic organic pigments.

Statistics on products and groups of products are provided in as great detail in table 3-1 as is possible without revealing the operations of individual producers. Statistics for an individual

chemical or group of chemicals are given only when there are three or more producers, no one or two of which may be predominant. Moreover, even when there are three or more producers, statistics are not given if there is any possibility that their publication would violate the statutory provisions relating to unlawful disclosure of information accepted in confidence by the Commission.' In instances where data were not publishable, the data were recompiled at successively higher levels of aggregation to determine publishability. These levels at the item level are assigned the label "Residual Total," while at higher levels of HTS detail they are assigned the label of "HTS level residual total." Categories labeled this way have been assigned "xx" as the last two characters in the HTS classification (e.g., 222222XX, 2222XX).

Data are reported by producers for only those items where the volume of production or sales or value of sales exceeds certain minimums, as specified in the questionnaires. Data are usually supplied in terms of undiluted materials; however, for reporting purposes, products of 95 percent or greater purity are considered to be 100 percent pure. Commercial concentrations are applicable for dyes, certain plastics and resins, and a few solvents; such concentrations are specifically noted.

Appendix A is a directory, alphabetized by the names of the manufacturers reporting in all sections and which includes their general corporate phone numbers and office addresses.

Appendix B is an alphabetical index of all the products in this edition of the report with corresponding HTS classifications. The HTS classifications presented in the report are not intended to be, and will not be, binding upon the U.S. Customs Service and should not be considered as formal or informal rulings or advice.

Appendix C is a listing of the analysts assigned to individual HTS classifications. Not all of the analysts listed were involved in the preparation of the report. The telephone numbers of those that were involved are listed at the end of the analyst assignment listing.

As specified in the reporting instructions sent to manufacturers, production and sales (unless otherwise specified) are defined as follows:

"PRODUCTION is the total quantity of a commodity made available by ORIGINAL

18 U.S.C. § 1905 and 44 U.S.C. § 3508.

MANUFACTURERS ONLY within the customs territory of the United States (includes the 50 states, the District of Columbia, and Puerto Rico). It covers synthetic organic chemicals, specified crudes from petroleum and coal tar, and certain chemically described natural products, such as, alkaloids, enzymes, and perfume isolates. It is the sum--expressed in terms of 100% active ingredient unless otherwise specified in the reporting instructions--of the quantities:

Produced, separated, and consumed in the same plant or establishment. A Commodity is considered separated either when it is isolated from the reactive system or when it is not isolated, but weighed, analyzed, or otherwise measured. This includes by-products and co-products that are not classifiable as waste materials;

Produced and not isolated, but directly converted to a finished or semifinished item not included in this report (e.g., polyester film, polyurethane tires, nylon fiber, bar soap, etc.). (See specific instructions in individual sections);

Produced and transferred to other plants or establishments of the same firm or 100% owned subsidiaries or affiliates;

Produced and sold to, or bartered with, other firms (including less than 100% owned subsidiaries);

Produced *for others* under toll agreements (see general instructions);
Produced and held in stock.

PRODUCTION EXCLUDES:

Purification of a commodity, which is purchased by, or transferred from within, the company, unless inclusion of such processing is specifically requested in the reporting instructions for individual sections;

Intermediate products which are formed in the manufacturing process, but are not isolated from the reaction system--that is, **not weighed, analyzed, or otherwise measured**; except such products as described above as being produced and not isolated, but directly converted to a finished or semifinished item. Materials that are used in the process but which are recovered for re-use or sale; Waste products having no economic significance.

SALES are actual quantities of commodities sold by **ORIGINAL MANUFACTURERS ONLY**. Sales include the quantity and value of:

Shipments of a commodity for domestic use or for export, or segregation in a warehouse when title has passed to the purchaser in a bona fide sale;

Shipments of a commodity produced for you by *others* under toll agreement;

Shipments to subsidiary or affiliated companies, provided the ownership is less than 100%.

SALES EXCLUDE:

All intra-company transfers within a corporate entity;

All shipments to 100% owned subsidiary or affiliated companies;

All resales of imported or purchased material, including materials obtained by barter;

All shipments of commodity produced *for others* under toll agreements.

VALUE OF SALES is the net dollar receipts of sales f.o.b. plant or warehouse, or delivered. F.o.b. values are preferred, but if they are not readily available from your records, delivered values are acceptable." ²

² **As defined in the Commission's SOC questionnaire.**

CHAPTER 2 SUMMARY TABLES

Table 2-1
Synthetic organic chemicals and their raw materials: U.S. production and sales, 1993

Chemical	Production 1993 <i>Million kilograms</i>	Sales	
		Quantity 1993 <i>Million kilograms</i>	Value 1993 <i>Million dollars</i>
Grand total'	205,018	113,596	\$90,496
Coal tar and crudes	3,318	2,567	399
Primary products from petroleum and natural gas	54,720	28,466	7,988
Synthetic organic chemicals, total'	146,980	82,565	82,110
Cyclic intermediates	29,543	10,981	7,279
Dyes ²	154	140	991
Organic pigments ³	60	45	793
Medicinal chemicals	184	120	2,850
Flavor and perfume materials	93	72	841
Plastics and resin materials	31,917	29,003	31,056
Rubber-processing chemicals	159	139	518
Elastomer (synthetic rubber)	2,621	1,877	3,613
Plasticizers	963	912	1,095
Surface-active agents	3,532	1,948	2,289
Pesticides and related products	644	413	4,580
Miscellaneous end-use chemicals and chemical products	19,701	12,934	11,033
Miscellaneous cyclic and acyclic chemicals	57,409	23,981	15,172

Because of rounding, figures may not add to the totals shown.

² See Table 2-2 for additional data on this product grouping.

³ See Table 2-3 for additional data on this product grouping.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

Table 2-2
Synthetic organic dyes: Summary of U.S. production and sales, 1993

Item	Production 1,000 kilograms	Sales		Unit value Per kilogram
		Quantity 1,000 kilograms	Value 1,000 dollars	
Grand total	154,519	140,319	990,568	\$ 7.06
Acid dyes	6,335	6,273	84,111	13.41
Basic dyes	5,693	5,952	66,840	11.23
Direct dyes	22,493	21,843	200,240	9.17
Disperse dyes	14,399	12,310	115,793	9.41
Solvent dyes	5,819	4,350	57,970	13.33
Vat dyes	14,044	13,911	56,227	4.04
All other dyes'	85,736	75,680	409,387	5.41

'Includes azoic dyes and components, fiber reactive dyes, fluorescent brighteners, F.D. & C. colors, mordant dyes, sulfur dyes, and miscellaneous dyes.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

Table 2-3
Synthetic organic pigments: Summary of U.S. production and sales, 1993

Organic pigments	Production 1,000 kilograms	Sales		Unit value Per kilogram
		Quantity 1,000 kilograms	Value 1,000 dollars	
Grand total	59,599	44,877	793,022	\$17.67
Toners	59,386	44,653	788,279	17.65
Yellow toners	16,160	11,837	158,782	13.41
Orange toners	1,458	1,215	24,229	19.95
Red toners	19,621	14,280	289,441	20.27
Violet toners	2,055	1,836	100,833	54.93
Blue toners	18,341	13,889	177,143	12.75
Green, brown, & black toners	1,751	1,597	37,851	23.70
Lakes	213	224	4,743	21.17

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

CHAPTER 3
U.S. PRODUCTION AND SALES DATA, 1993

Table 3.1
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
13	Lac; gums, resins and other vegetable saps and extracts	(1)	(1)	(1)	
1302	Vegetable saps and extracts; <i>pectic</i> substances. pectinates and pectins.; agar-agar and other mucilages and thickeners, whether or not modified, derived from vegetable products	(1)	(1)	(1)	
130239	Mucilages and thickeners derived from vegetable products other than locust beans, locust bean seeds or guar seeds, and excluding agar-agar	(1)	(1)	(1)	
13023900	Mucilages and thickeners derived from vegetable products other than locust beans, locust bean seeds or guar seeds, and excluding agar-agar	(1)	(1)	(1)	
	Dextran	(1)		(1)	
	<i>Pharmachem Corp.</i>	(1)		(1)	
	Polydextrose	(1)		(1)	
	<i>Pfizer, Inc.</i>	(1)		(1)	
	Xanthan gum	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>	(1)		(1)	
	<i>Pfizer, Inc.</i>	(1)		(1)	
	Residual Total	(1)	(1)	(1)	
15	Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes	(1)	(1)	(1)	
1516	Animal or vegetable fats and oils and their fractions, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, whether or not refined, but not further prepared	(1)	(1)	(1)	
151610	Animal fats and oils, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	(1)	(1)	(1)	
15161000	Animal fats and oils, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	(1)	(1)	(1)	
	Hydrogenated menhaden fish oil	(1)	(1)	(1)	
	<i>Chemol Co.</i>	(1)		(1)	
	<i>Witco Corp.</i>	(1)		(1)	
	Hydrogenated tallow glycerides	6,749	6,718	4,853	0.72
	<i>Chemol Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Witco Corp.</i>				
	Tallow, partially hydrogenated			(1)	
	<i>Chemol Co.</i>			(1)	
	Residual Total	(1)		(1)	
151620	Vegetable fats & oils & their fractions, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared, nesi	317,321	189,292	144,291	0.76
15162090	Vegetable fats and oils mg, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	317,321	189,292	144,291	0.76

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

NTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 15162090 --Con tined					
	Castor oil, hydrogenated <i>Caschem, Inc.</i>	(¹)			
	Fatty acids, hydrogenated <i>Akzo Nobel, Inc</i> <i>Caschem, Inc.</i> <i>Lonza, Inc.</i> <i>Synthetic Products Co.</i> <i>Unichema North America</i> <i>Witco Corp.</i>	285,673	158,718	114,709	\$ 0.72
	Fatty acids, partially hydrogenated <i>Synthetic Products Co.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Soybean oil, hydrogenated <i>Lonza, Inc.</i>	(¹)	(¹)		
	Vegetable glycerides, hydrogenated <i>Grindsted Products, Inc.</i> <i>Lonza, Inc.</i> <i>Witco Corp.</i>	(¹)	(1)	(1)	
	Residual Total	31,648	30,574	29,582	0.97
1518	Animal or vegetable fats and oils and their fractions, boiled, oxidized, dehydrated, sulfurized, blown, polymerized by heat in vacuum or in inert gas or otherwise chemically modified, excluding those of heading 1516; inedible mixtures or preparations of animal or vegetable fats or oils or of fractions of different fats or oils of this chapter, not elsewhere specified or included	(¹)	(¹)		
151800	Animal or vegetable fats & oils & their fractions, excl. those of 1516; inedible mixtures or preparations of animal or vegetable fats or oils or of fractions of different fats or oils of this chapter	(¹)			
15180020	Linseed or flaxseed oil, and their fractions, boiled, oxidized, dehydrated, sulfurized, blown or otherwise chemically modified	(¹)	(¹)	(¹)	
	Epoxidized linseed oils <i>Elf Atochem North America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Witco Corp.</i>	(1)	(¹)	(¹)	
	Residual Total	(1)	(¹)	(¹)	
15180040	Animal or vegetable fats and oils, nesi, oxidized, dehydrated or otherwise chemically modified; inedible mixtures of fats and oils nesi	(¹)	(¹)	(¹)	
	Castor oil fatty acids, dehydrated <i>Caschem, Inc.</i>	(¹)	(¹)	(¹)	
	Castor oil, polymerized <i>Caschem, Inc.</i>	(¹)	(¹)	(¹)	
	Epoxidized soya oils <i>Elf Atochem North America, Inc.</i> <i>FMC Corp., Peroxygen Chemical Div.</i> <i>Ferro Corp., Bedford Chemical Div.</i> <i>Witco Corp.</i>	41,880	41,098	43,441	1.06
	Epoxidized tall oils <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)		
	Fats and oils, chemically modified, all other <i>Akzo Nobel, Inc</i> <i>Caschem, Inc.</i> <i>Grindsted Products, Inc.</i>	7,150	6,495	9,069	1.40

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 15180040 —Continued					
Chemical description/Manufacturer—Continued					
	James River Paper Co., Inc.				
	Lonza, Inc.				
	Mobil Oil Corp., Chemical Products Div.				
	Sulfurized lard oil		(1)	(1)	
	Quaker Chemical Corp.				
	Sulfurized sperm oil substitutes	(1)	(1)		
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Residual Total	(1)	(1)	(1)	
1519	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	55,564	(1)	(1)	
151919	Industrial monocarboxylic fatty acids excluding stearic acid, oleic acid or tall oil fatty acids	55,564	(1)	(1)	
15191940	Industrial monocarboxylic fatty acids noel	55,564	(1)		
	Fatty acids	55,564	(1)		
	Akzo Nobel, Inc				
	Caschem, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Unichema North America				
	Witco Corp.				
	Residual Total		(1)	(1)	
151919XX	HTS Level Residual Total		(1)	(1)	
1519XX	HTS Level Residual Total		(1)	(1)	
1520	Glycerol (glycerine), whether or not pure; glycerol waters and glycerol lyes	(1)	(1)	(1)	
152090	Glycerol (glycerine), other than crude, whether or not pure, including synthetic glycerol	(1)	(1)	(1)	
15209000	Glycerol (glycerine), other than crude, whether or not pure, including synthetic glycerol	(1)	(1)	(1)	
	Glycerol, synthetic only		(1)	(1)	
	Dow Chemical Co.				
	Lonza, Inc.				
	Synthetic Products Co.				
	Residual Total	(1)	(1)		
15XX	HTS Level Residual Total	(1)	(1)	(1)	
17	Sugars and sugar confectionery	(1)	(1)	(1)	
1702	Other sugars, including chemically pure lactose, maltose, glucose and fructose, in solid form; sugar syrups not containing added flavoring or coloring matter; artificial honey, whether or not mixed with natural honey; caramel	(1)	(1)	(1)	
170290	Sugar including invert sugar, nesi	(1)	(1)	(1)	
17029050	Sugar and sugar syrup, nesi, not flavored or colored		(1)	(1)	
	D-Maltose	(1)	(1)	(1)	
	Pfanstiehl Laboratories, Inc.				
	Residual Total	(1)	(1)	(1)	
22	Beverages, spirits and vinegar	(1)	(1)	(1)	
2207	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher; ethyl alcohol and other spirits, denatured, of any strength	307,601		(1)	
220710	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher	307,601	(1)		
22071060	Undenatured ethyl alcohol of 80 percent vol. alcohol or higher, for nonbeverage purposes	307,601	(1)	(1)	
	Ethyl alcohol, synthetic	307,601	(1)	(1)	
	Dow Chemical Co.				
	Eastman Kodak Co., Texas Eastman Co. Div.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 22071060 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Quantum Chemical Corp., US/ Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Witco Corp.</i>				
	Residual Total		(¹)		
220710XX	HTS Level Residual Total			(¹)	
2207XX	HTS Level Residual Total		(¹)	(¹)	
	Stearoyl chloride		(¹)	(¹)	
	<i>PPG Industries, Inc.</i>				
	Residual Total			(¹)	
	Tall oil monohydric esters	(¹)		(¹)	
	<i>Arizona Chemical Co.</i>				
	Residual Total	(¹)	(¹)	(¹)	
27	Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	4,728,453	3,157,256	598,184	\$ 0.19
2706	Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated or partially distilled, including reconstituted tars	820,644	(¹)	(¹)	
270600	Tar distilled from coal, lignite, or peat; other mineral tars, including reconstituted tar	820,644	(¹)		
27060000	Tar distilled from coal, lignite, or peat; other mineral tars, including reconstituted tar	820,644		(¹)	
	Crude coal tar	727,259	767,833	73,209	0.10
	<i>Acme Steel Co.</i>				
	<i>Bethlehem Steel Corp.</i>				
	<i>Citizens Gas & Coke Utility</i>				
	<i>Drummond Company, Inc.</i>				
	<i>Empire Coke Co.</i>				
	<i>Gulf States Steel, Inc.</i>				
	<i>Inland Steel Co.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>LTV Steel Co., Inc.</i>				
	<i>National Steel Corp., Great Lakes Div.</i>				
	<i>New Boston Coke Corp.</i>				
	<i>Tonawanda Coke Corp.</i>				
	<i>U.S. Steel, Div. of USX, Clairton Plant</i>				
	<i>U.S. Steel, Div. of USX, Gary Coke Operations</i>				
	<i>Wheeling Pittsburg Steel Corp.</i>				
	Crude coal tar solvent	(1)	(1)	(1)	
	<i>Koppers Industries, Inc.</i>				
	Tar bases: crude bases (Dry basis)	(1)	(¹)	(¹)	
	<i>Koppers Industries, Inc.</i>				
	Tar distillates, all other	(1)	(¹)	(¹)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Givaudan Corp.</i>				
	Tar for other uses: refined	(¹)	(¹)		
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Tar, road	(¹)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total	93,384		(1)	
2707	Oils and other products of the distillation of high temperature coal tar; similar products in which the weight of the aromatic constituents exceeds that of the nonaromatic constituents	1,915,542	1,238,380	219,189	0.18

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
270740	Naphthalene, obtained in distilling high temperature coal tar	(¹)	35,902	13,185	S 0.37
27074000	Naphthalene, obtained in distilling high temperature coal tar	(¹)	35,902	13,185	0.37
	Naphthalene	(1)	(¹)	(¹)	
	<i>Chemical Exchange Industries, Inc.</i>				
	Naphthalene, crude, solidifying at 76 ^o C to less than 79 ^o C	(1)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Koppers Industries, Inc.</i>				
	Naphthalene, crude, solidifying at less than 74 ^o C.	(¹)			
	<i>Coopers Creek Chemical Corp.</i>				
	Residual Total	(¹)	35,902	13,185	0.37
270791	Creosote oils, obtained in instilling high temperature coal tar	(¹)			
27079100	Creosote oils, obtained in distilling high temperature coal tar		(¹)	(¹)	
	Creosote oil (Dead oil): creosote content in solution (100 Percent basis)	(¹)	(1)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Creosote oil (Dead oil): creosote in coal tar solution (100 Percent solution basis)	93,862	159,213	20,885	0.13
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Creosote oil (Dead oil): distillate as such (100 Percent creosote basis)	256,525	144,318	23,861	0.17
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
270799	Oils and other products of the distillation of high temperature coal tar, excluding creosote oils	(¹)	(¹)	(¹)	
27079910	Light oil, obtained in distilling high temperature coal tar	(¹)	(¹)	(¹)	
	Crude light oil	237,356	236,650	20,813	0.09
	<i>Acme Steel Co.</i>				
	<i>Bethlehem Steel Corp.</i>				
	<i>Citizens Gas & Coke Utility</i>				
	<i>Drummond Company, Inc.</i>				
	<i>Empire Coke Co.</i>				
	<i>Gulf States Steel, Inc.</i>				
	<i>Inland Steel Co.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>LTV Steel Co., Inc.</i>				
	<i>National Steel Corp., Great Lakes Div.</i>				
	<i>New Boston Coke Corp.</i>				
	<i>Tonawanda Coke Corp.</i>				
	<i>U.S. Steel, Div. of USX, Clairton Plant</i>				
	<i>U.S. Steel, Div. of USX, Gary Coke Operations</i>				
	<i>Wheeling Pittsburg Steel Corp.</i>				
	Light-oil distillates, all other	(1)	(1)	(1)	
	<i>Lyondell Petrochemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 27079910 —Continued					
	Residual Total	(¹)	(¹)	(¹)	
27079930	Metacresol orthocresol, paracresol and metaparcresol, all the foregoing having a purity of 75% or more by weight	39,872	31,587	54,796	\$ 1.73
	m-Cresol	(¹)	(1)	(¹)	
	Merichem Co.				
	p-Cresol	(1)	(¹)	(¹)	
	Merichem Co.				
	PMC Inc., PMC Specialities Group, Inc.				
	o-Cresol, from petroleum	(¹)	(¹)	(¹)	
	General Electric Co., Plastics Div.				
	Merichem Co.				
	(m,p)-Cresol, from petroleum	(¹)	(¹)		
	Merichem Co.				
	Residual Total	39,872	31,587	54,796	1.73
27079950	Products of high temperature coal tar distillation and like products comprising more aromatic than nonaromatic constituents, nesi		(I)		
	Carbon Black oil	(¹)	(¹)	(¹)	
	Koppers Industries, Inc.				
	Cresylic acid (Less than 75 percent distilling over 215° C)	(¹)	(I)	(¹)	
	Koch Refining Co.				
	Cresylic acid, refined; from petroleum	(¹)	(¹)	(¹)	
	Merichem Co.				
	Crude tar acid oils having a tar acid content of: 5 percent to less than 24 percent	(¹)	(I)	(¹)	
	Allied Signal, Inc., Engineered Materials Sector				
	Koppers Industries, Inc.				
	Priming and refractory oil	(1)	(I)		
	Bethlehem Steel. Corp.				
	Koppers Industries, Inc.				
	Xylenol, low boiling point	(1)	(¹)	(¹)	
	Merichem Co.				
	Residual Total	(¹)	(¹)	(¹)	
2708	Pitch and pitch coke, obtained from coal tar or from other mineral tars	(¹)	(¹)	(¹)	
270810	Pitch, obtained from coal tar or from other mineral tars	(I)	(¹)	(¹)	
27081000	Pitch, obtained from coal tar or from other mineral tars		(II)	(¹)	
	Pitch of tar: hard (M.P. 161° F and Over)	478,824	387,318	117,885	0.30
	Allied Signal, Inc., Engineered Materials Sector				
	Coopers Creek Chemical Corp.				
	Koppers Industries, Inc.				
	Reilly Industries, Inc.				
	Pitch of tar: medium (M.P. 110° To 160° F)	58,016	49,502	15,558	0.31
	Aristech Chemical Corp.				
	Coopers Creek Chemical Corp.				
	Koppers Industries, Inc.				
	Reilly Industries, Inc.				
	Pitch of tar: soft (M.P. 80° To 109° F.)		(¹)	(I)	
	Aristech Chemical Corp.				
	Coopers Creek Chemical Corp.				
	Residual Total		(¹)	(¹)	
2711	Petroleum gases and other gaseous hydrocarbons	1,351,358	539,749	121,631	0.23
271114	Ethylene, propylene, butylene and butadiene, liquefied	1,351,358	539,749	121,631	0.23

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales			Average unit value
		Production	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
27111400	Ethylene, propylene, butylene and butadiene, liquefied	1,351,358	539,749	121,631	\$ 0.23
	Butadiene and butylene fractions	1,351,358	539,749	121,631	0.23
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Diamond Shamrock Refining Co., L.P.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Vista Chemical Co.</i>				
28	Inorganic chemicals; organic or inorganic compounds of precious metals, of rare earth metals, of radioactive elements or of isotopes	(¹)	(¹)	(¹)	
2813	Sulfides of nonmetals; commercial phosphorus trisulfide	(¹)	(¹)	(¹)	
281310	Carbon disulfide	(¹)	(¹)	(¹)	
28131000	Carbon disulfide	(¹)	(¹)	(¹)	
	Carbon disulfide	(¹)	(1)		
	<i>Akzo Nobel Coatings, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
2833	Sulfates; alums; peroxosulfates (persulfates)	(¹)	(¹)	(¹)	
	1,3,4-Thiadiazole, 2,5-bis(dialkyldithio) derivatives	(1)	(1)	p)	
	<i>Company not disclosed</i>				
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
2837	Cyanides, cyanide oxides and complex cyanides	(¹)	(¹)	(¹)	
283720	Complex cyanides	(¹)	(¹)	(¹)	
28372050	Complex cyanides, excluding potassium ferricyanide	(¹)	(¹)	(¹)	
	Sodium nitroprusside	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Residual Total	(¹)	(¹)	(¹)	
2843	Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals	(1)	(1)	(1)	
284390	Inorganic or organic compounds of precious metals, excluding those of silver and gold; amalgams of precious metals	(¹)	(¹)	(¹)	
28439000	Inorganic or organic compounds of precious metals, excluding those of silver and gold; amalgams of precious metals	(¹)	(¹)	(¹)	
	Cisplatin	(1)	(¹)	(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Johnson Matthey, Inc.</i>				
	Residual Total		(¹)	(¹)	
29	Organic chemicals	(¹)	69,054,266	42,138,879	0.61
2901	Acyclic hydrocarbons	36,329,720	18,488,332	5,262,587	0.28
290110	Saturated acyclic hydrocarbons	(¹)	(¹)	(¹)	
29011030	n-Pentane and isopentane	(¹)	(¹)	(¹)	
	Isopentane (2-Methylbutane)		(1)	(¹)	
	<i>Exxon Chemical Americas</i>				
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29011030 —Continued					
	n-Pentane Phillips 66 Co. Shell Oil Co.			(1)	
	Residual Total	(1)	(1)	(1)	
29011040	Saturated acyclic hydrocarbons (other than ethane or butane), derived in whole or in part from petroleum, shale oil or natural gas	(1)	(1)	(1)	
	Di-isopropane (2,3-Dimethylbutane) Phillips 66 Co.	(1)	(1)	(1)	
	n-Dodecane Humphrey Chemical Co. Phillips 66 Co.	(1)	(1)		
	n-Heptane Exxon Chemical Americas Phibro Refining Phillips 66 Co. Texaco Chemical Co. Uno Ven Co.	74,851	63,593	21,023	S 0.33
	Hexane Exxon Chemical Americas Phibro Refining Phillips 66 Co. Texaco Chemical Co. Uno Ven Co.	157,508	(1)	(1)	
	Isobutane (2-Methylpropane) Diamond Shamrock Refining Co., L.P. Marathon Oil Co. Mobil Oil Corp., Gas Liquids Dept. Phillips 66 Co. Shell Oil Co. Sun Co., Inc. Texaco Chemical Co.	874,765	958,800	176,140	0.18
	Isoheptanes Phillips 66 Co.	(1)	(1)	(1)	
	Isohexane Phillips 66 Co.	(1)	(1)	(1)	
	Methane Mobil Oil Corp., Gas Liquids Dept. Shell Oil Co.	(1)	(1)	(1)	
	Neohexane (2,2-Dimethylbutane) Phillips 66 Co.	(1)	(1)	(1)	
	n-Octane Phibro Refining Phillips 66 Co.	(1)	(1)	(1)	
	2,2,4-Trimethylpentane (Iso-octane) Lyondell Petrochemical Co. Phillips 66 Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29011050	Saturated acyclic hydrocarbons (other than ethane or butane), not derived in whole or in part from petroleum, shale oil, or natural gas				
	n-Decane Humphrey Chemical Co. Phillips 66 Co.	90	(1)	138	994 7.20
	Hexadecane Humphrey Chemical Co. Zeeland Chemical, Inc.	(1)	(1)	(1)	
	Hydrocarbons, all other	(1)		(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29011050 —Continued					
<i>Chemical description/Manufacturer —Continued</i>					
<i>Company not disclosed</i>					
<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>					
<i>Humphrey Chemical Co.</i>					
	n-Tetradecane		(1)	1 ¹)	
	<i>Humphrey Chemical Co.</i>				
	Residual Total	90	138	994	7.20
290121	Ethylene	18,149,407	6,610,228	2,333,387	0.35
29012100	Ethylene	18,149,407	6,610,228	2,333,387	0.35
	Ethylene	18,149,407	6,610,228	2,333,387	0.35
	<i>AMOCO Chemical Co.</i>				
	<i>B F Goodrich Co.</i>				
	<i>BASF Corp, /Parsippany, NJ</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>El. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Javelina Co.</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., US/ Div.</i>				
	<i>Rexene Corp.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Westlake Corp.</i>				
290122	Propene (Propylene)	9,738,909	6,109,634	1,379,819	0.23
29012200	Propene (Propylene)	9,738,909	6,109,634	1,379,819	0.23
	Propylene	9,738,909	6,109,634	1,379,819	0.23
	<i>AMOCO Chemical Co.</i>				
	<i>Ashland Chemical, Inc., Ashland Petroleum Co.</i>				
	<i>B F Goodrich Co.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>BP Oil Co.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Citgo Petroleum Corp.</i>				
	<i>Clark Oil & Refining Corp.</i>				
	<i>Crown Central Petroleum Corp.</i>				
	<i>Diamond Shamrock Refining Co., L.P.</i>				
	<i>Dow Chemical Co.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fine Oil & Chemical Co.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Citgo Refining Co. LTD</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Marathon Oil Co.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29012200 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., US! Div.</i>				
	<i>Rexene Corp.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Valero Refining & Marketing Co.</i>				
	<i>Vista Chemical Co.</i>				
290123	Butene (Butylene) and isomers thereof		(¹)	(¹)	
29012300	Butane (Butylene) and isomers thereof	(¹)	(¹)	(¹)	
	1-Butene	239,077	121,494	53,414	\$ 0.44
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Ethyl Corp.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texas Petrochemicals Corp.</i>				
	1-Butene and 2-butene, mixed	(¹)	(¹)	(¹)	
	<i>Lyondell Petrochemical Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Isobutylene (2-Methylpropene)	486,686	232,381	102,430	0.44
	<i>AMOCO Chemical Co.</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Texas Petrochemicals Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
290124	Buta-1,3-dene and isoprene	1,690,707	1,631,212	529,432	0.32
29012410	Buta-1,3-diene	1,413,867	1,407,988	463,551	0.33
	1,3-Butadiene, grade for rubber (Elastomers)	1,413,867	1,407,988	463,551	0.33
	<i>AMOCO Chemical Co.</i>				
	<i>BASF Corp., (Parsippany, NJ)</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Texas Petrochemicals Corp.</i>				
29012420	Isoprene, having a purity of 95 percent or more by weight	276,841	223,224	65,881	0.30
	Isoprene (2-Methyl-1,3-butadiene)	276,841	223,224	65,881	0.30
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Texas Petrochemicals Corp.</i>				
290129	Unsaturated acyclic hydrocarbons, nesi	(¹)		(¹)	
29012910	Unsaturated acyclic hydrocarbons, nesi, derived in whole or in part from petroleum, shale oil or natural gas	2,668,352	1,963,557	492,904	0.25
	Acetylene (For chemical use only)	122,504	68,635	48,912	0.71

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29012910 —Continued					
Chemical description/Manufacturer—Continued					
	Borden Chemical & Plastics Delaware, L.P.				
	Quantum Chemical Corp., USI Div.				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Allo-ocimene	(¹)		(¹)	
	SCM Glidco Organics Corp.				
	Alpha olefins, C ₆ -C ₁₀	439,858	(¹)	(¹)	
	Chevron Corp., Chevron Chemical Co.				
	Ethyl Corp.				
	Shell Oil Co., Shell Chemical Co.				
	Alpha olefins, C ₁₁ and higher	445,578	148,956	92,736	\$ 0.62
	Chevron Corp., Chevron Chemical Co.				
	Ethyl Corp.				
	Shell Oil Co., Shell Chemical Co.				
	Amylenes	(¹)	(¹)	(¹)	
	Exxon Chemical Americas				
	Di-isobutylene (Di-isobutene)	(¹)		(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Texas Petrochemicals Corp.				
	Dodecene	155,523	126,375	55,563	0.44
	Atlantic Richfield Co., ARCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				
	Exxon Chemical Americas				
	Sun Co., Inc.				
	Heptenes, mixed	(1)	(¹)	(¹)	
	Exxon Chemical Americas				
	Texaco Chemical Co.				
	1-Hexene		(1)	(1)	
	Phillips 66 Co.				
	Nonene (Tripropylene)	(¹)	(¹)	(¹)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				
	Coastal Corp.				
	Exxon Chemical Americas				
	Texaco Chemical Co.				
	Ocimene	(1)	(1)		
	International Flavors & Fragrances, Inc.				
	1-Pentene	(1)	(¹)	(¹)	
	Dow Chemical Co.				
	Piperylene (1,3-Pentadiene)	(¹)		(¹)	
	Dow Chemical Co.				
	Lyondell Petrochemical Co.				
	Residual Total	1,504,890	1,619,591	259,689	0.16
2 90 1 2950	Unsaturated acyclic hydrocarbons, nesi, not derived in whole or in part from petroleum, shale oil or natural gas	(1)	(1)	(1)	
	3,3-Dimethylbutene	(¹)	(¹)		
	Phillips 66 Co.				
	Myrcene	(1)	(1)		
	Company nor disclosed				
	SCM Glidco Organics Corp.				
	Polyalphaolefins	(¹)		(¹)	
	Ethyl Corp.				
	Residual Total	(¹))	(¹)	
2 902	Cyclic hydrocarbons	(1)	(¹)	(¹)	
290211	Cyclohexane	907,133	966,180	365,195	0.38
29021 100	Cyclohexane	907,133	966,180	365,195	0.38
	Cyclohexane	907,133	966,180	365,195	0.38

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29021100 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Phillips Puerto Rico Core, Inc.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
290219	Cyclones, cyclones and cycloterpenes, except cyclohexanes	351,200	208,994	106,496	\$ 0.51
29021900	Cyclonic hydrocarbons (except cyclohexane), cyclonic hydrocarbons and cycloterpenes	351,200	208,994	106,496	0.51
	Camphene	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Cyclohexene	(¹)			
	<i>Uniroyal Chemical Co., Inc.</i>				
	Cyclopentane	(¹)	(¹)	(¹)	
	<i>Phillips 66 Co.</i>				
	Dicyclopentadiene (includes Cyclopentadiene)	86,769	n,589	26,834	0.35
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Ve/sicol Chemical Corp.</i>				
	Ethylidene norbornene	(¹)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	p-Mentha-1,418)-diene	(¹)		(¹)	
	<i>Union Camp Corp., BBA Div.</i>				
	dl-p-Mentha-1,8-diene (Limonene)	(¹)	(¹)		
	<i>Union Camp Corp., BBA Div.</i>				
	p-Menthane	(¹)		(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Methylcyclohexane	(¹)	(¹)	(¹)	
	<i>Phillips 66 Co.</i>				
	Methylcyclopentadiene	(¹)	(¹)	(¹)	
	<i>Exxon Chemical Americas</i>				
	Methylcyclopentane	(¹)	(¹)	(¹)	
	<i>Oxy Petrochemicals, Inc.</i>				
	Pinane	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	a-Pinene	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	fl-Pinene	(¹)		(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	Pinene, wood	(¹)	(¹)	(¹)	
	<i>Hercules, Inc.</i>				
	Terpene hydrocarbons, monocyclic (Solvenol)	27,509	(¹)	(¹)	
	<i>Arizona Chemical Co.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	Trimethyl-1-cyclohexane	(¹)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	236,923	131,405	79,662	0.61
290220	Benzene	(¹)	(¹)		
29022000	Benzene	(¹)	(¹)		
	Benzene Other	(¹)	(¹)	(¹)	
	<i>Kalama Chemical, Inc.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29022000 —Coot/Wood					
<i>Chemical description/Manufacturer —Continued</i>					
	<i>Quantum Chemical Corp., USI Div. Vista Chemical Co.</i>				
	Benzene High purity (98-100%)	5,547,615	3,952,931	1,152,690	S 0.29
	<i>AMOCO Chemical Co. Amerada Hess Corp. (Hess Oil Virgin Island Corp.) BP Oil Co. Chevron Corp., Chevron Chemical Co. Citgo Petroleum Corp. Citgo Refining and Chemicals, Inc. Coastal Corp. Dow Chemical Co. Exxon Chemical Americas Abe Oil & Chemical Co. Kerr McGee Refining Co., Inc. Koch Refining Co. Lyondell Citgo Refining Co. LTD Lyondell Petrochemical Co. Marathon Oil Co. Mobil Oil Corp., Petrochemicals Div. Oxy Petrochemicals, Inc. Phibro Refining Phillips 66 Co. Phillips Puerto Rico Core, Inc. Shell Oil Co., Shell Chemical Co. Sun Co., Inc. Texaco Chemical Co. Uno Ven Co.</i>				
	Residual Total			⁽¹⁾	
290230	Toluene	⁽¹⁾	1,456,831	340,323	0.23
29023000	Toluene	⁽¹⁾	1,456,831	340,323	0.23
	Toluene Other		103,497	21,574	0.21
	<i>Chevron Corp., Chevron Chemical Co. General Electric Co., Plastics Div. Lyondell Petrochemical Co.</i>				
	Toluene High purity (98-100%)	2,276,572	1,353,334	318,749	0.24
	<i>Amerada Hess Corp. (Hess Oil Virgin Island Corp.) Ashland Chemical, Inc., Ashland Petroleum Co. BP Oil Co. Citgo Refining and Chemicals, Inc. Coastal Corp. Exxon Chemical Americas Fine Oil & Chemical Co. Kerr McGee Refining Co., Inc. Koch Refining Co. Lyondell Citgo Refining Co. LTD Marathon Oil Co. Mobil Oil Corp., Petrochemicals Div. Oxy Petrochemicals, Inc. Phibro Refining Phillips 66 Co. Phillips Puerto Rico Core, Inc. Shell Oil Co., Shell Chemical Co. Sterling Chemicals, Inc. Sun Co., Inc. Texaco Chemical Co. Uno Ven Co.</i>				
	Residual Total				
290241	o-Xylene	376,924	263,306	85,947	0.33

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 290241 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
290241	o-Xylene	376,924	263,306	85,947	\$ 0.33
29024100	o-Xylene	376,924	263,306	85,947	0.33
29024100	o-Xylene	376,924	263,306	85,947	0.33
	o-Xylene (90-100% of o-xylene isomer)	376,924	263,306	85,947	0.33
	Exxon Chemical Americas				
	Koch Refining Co.				
	Lyondell Citgo Refining Co. LTD				
	Phillips 66 Co.				
	Phillips Puerto Rico Core, Inc.				
290242	m-Xylene	(¹)	(¹)	(¹)	
290242	m-Xylene	(¹)	(¹)	(¹)	
29024200	m-Xylene	(¹)	(¹)	(¹)	
29024200	m-Xylene	(¹)	(¹)	(¹)	
	m-Xylene (90-100% of m-xylene isomer)	(¹)	(¹)	(¹)	
	AMOCO Chemical Co.				
	Phillips 66 Co.				
	Residual Total	(¹)	(¹)	(¹)	
290243	p-Xylene	2,626,888	1,451,765	598,502	0.41
290243	p-Xylene	2,626,888	1,451,765	598,502	0.41
29024300	p-Xylene	2,626,888	1,451,765	598,502	0.41
29024300	p-Xylene	2,626,888	1,451,765	598,502	0.41
	p-Xylene (90-100% Of p-xylene isomer)	2,626,888	1,451,765	598,502	0.41
	AMOCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				
	Exxon Chemical Americas				
	Koch Refining Co.				
	Lyondell Citgo Refining Co. LTD				
	Phillips 66 Co.				
	Phillips Puerto Rico Core, Inc.				
290244	Mixed xylene isomers	(¹)	(¹)	(¹)	
29024400	Mixed xylene isomers	(¹)	(¹)	(¹)	
	Xylene Other	(¹)	(¹)	(¹)	
	AMOCO Chemical Co.				
	Amerada Hess Corp. (Hess Oil Virgin Island Corp.)				
	Marathon Oil Co.				
	Xylene High purity (98-100%)	2,993,752	1,182,238	274,633	0.23
	AMOCO Chemical Co.				
	Ashland Chemical, Inc., Ashland Petroleum Co.				
	Citgo Refining and Chemicals, Inc.				
	Coastal Corp.				
	Exxon Chemical Americas				
	Fine Oil & Chemical Co.				
	Kerr McGee Refining Co., Inc.				
	Koch Refining Co.				
	Lyondell Citgo Refining Co. LTD				
	Phibro Refining				
	Phillips 66 Co.				
	Phillips Puerto Rico Core, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Sun Co., Inc.				
	Uno Ven Co.				
	Residual Total	(¹)	(¹)		
290250	Styrene	4,352,032	1,959,293	981,685	0.50
29025000	Styrene	4,352,032	1,959,293	981,685	0.50
	Styrene (Vinylbenzene)	4,352,032	1,959,293	981,685	0.50
	AMOCO Chemical Co.				
	Atlantic Richfield Co., ARCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				

See endnotes at and of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29025000 —Continued					
Chemical description/Manufacturer—Continued					
	<i>De/tech Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Huntsman Chemical Corp.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Rexene Corp.</i>				
	<i>Sterling Chemicals, Inc.</i>				
290260	Ethylbenzene	4,233,835	88,717	29,935	S 0.34
29026000	Ethylbenzene	4,233,835	88,717	29,935	0.34
	Ethylbenzene	4,233,835	88,717	29,935	0.34
	<i>AMOCO Chemical Co.</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Koch Refining Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Rexene Corp.</i>				
	<i>Sterling Chemicals, Inc.</i>				
290270	Cumene	1,992,857	1,331,300	490,694	0.37
29027000	Gunmen.	1,992,857	1,331,300	490,694	0.37
	Cumene (Isopropyl benzene)	1,992,857	1,331,300	490,694	0.37
	<i>Ashland Chemical, Inc., Ashland Petroleum Co.</i>				
	<i>BTL Specialty Resin Corp.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Georgia Gulf Corp., Houston Div.</i>				
	<i>Koch Refining Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
290290	Cyclic hydrocarbons, nesi	1,607,104	1,288,153	584,799	0.45
29029020	Acenaphthene, chrysene, cymene, dimethylnaphthalenes, fluoranthene, fluorene, indene, mesitylene, and other specified cyclic hydrocarbons	2,504	2,023	5,557	2.75
	p-Cymene	(1)	(1)	(1)	
	<i>Hercules, Inc.</i>				
	para-Cymene	(1)	(1)		
	<i>SCM Glidco Organics Corp.</i>				
	2,6-Dimethylnaphthalene	(1)	(1)	(1)	
	<i>UOP, Inc.</i>				
	Methylnaphthalene	(1)	(1)		
	<i>Koppers Industries, Inc.</i>				
	Residual Total	2,504	2,023	5,557	2.75
29029030	Alkylbenzenes and polyalkylbenzenes	637,199	447,278	325,975	0.73
	Alkyl aromatics: all other	(1)	(1)	(1)	
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Alkylbenzene straight-chain (Except dodecyl and tridecyl)	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	<i>Monsanto Co.</i>				
	n-Amylbenzene		(1)	(1)	
	<i>Phillips 66 Co.</i>				
	Dialkylbenzene	(1)	(1)		
	<i>Vista Chemical Co.</i>				
	Diethylbenzene	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29029030 —Continued					
Chemical description/Manufacturer—Continued					
	<i>UOP, Inc.</i>				
	Diisopropylbenzene	(¹)	(¹)	(¹)	
	<i>Georgia Gulf Corp., Houston Div.</i>				
	1,3-Diisopropylbenzene	(1)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	1,4-Diisopropylbenzene	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	1,1-Di-3,4-xylene	(¹)	(¹)	(¹)	
	<i>Allc^o Chemical Corp.</i>				
	Dodecylbenzene, straight-chain	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	<i>Vista Chemical Co.</i>				
	Isobutylbenzene	(¹)	(¹)	(1)	
	<i>Ethyl Corp.</i>				
	<i>Phillips 66 Co.</i>				
	p-Methylstyrene	(¹)	(¹)	(¹)	
	<i>De/tech Corp.</i>				
	Pentylbenzene	(¹)	(¹)	(1)	
	<i>Phillips 66 Co.</i>				
	Polyethylbenzene (80 percent diethylbenzene)	(¹)	(¹)	(¹)	
	<i>Rexene Corp.</i>				
	1,2,4,5-Tetramethylbenzene (Duren)	(1)	(¹)	19	
	<i>Koch Refining Co.</i>				
	1,3,5-Trimethylbenzene (Mesitylene)	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	1,2,4-Trimethylbenzene (Pseudocumene)	(¹)	(¹)	(¹)	
	<i>Koch Refining Co.</i>				
	Residual Total	637,199	447,278	325,975	\$ 0.73
29029050	Cyclic hydrocarbons, nesi	890,673	779,934	183,457	0.24
	All other products from petroleum and natural gas, cyclic	890,673	779,934	183,457	0.24
	<i>AMOCO Chemical Co.</i>				
	<i>Ashland Chemical, Inc., Ashland Petroleum Co.</i>				
	<i>B F Goodrich Co.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fine Oil & Chemical Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Phibro Refining</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Vista Chemical Co.</i>				
29029090	HTS Level Residual Total	76,728	58,918	69,809	1.18
	Biphenyl	26,607	14,528	5,476	0.38
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Koch Refining Co.</i>				
	<i>Monsanto Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	n-Butylbenzene	(¹)	(¹)	(¹)	
	<i>Phillips 66 Co.</i>				
	p-tert-Butyltoluene	(¹)	(¹)	(¹)	
	<i>DSM Chemicals, North America, Inc.</i>				
	<i>Givaudan Corp.</i>				
	<i>Phillips 66 Co.</i>				
	p-Caryophyllene	(¹)	(¹)	(9)	

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit
		1,000 Kilograms	Quantity	Value	value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29029090 —Continued					
Chemical description/Manufacturer—Continued					
	Fragrance Resources, Inc.				
	Givaudan Corp.				
	cyclooctadiene	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Divinylbenzene	(¹)	(¹)	(¹)	
	Deltech Corp.				
	Dow Chemical Co.				
	Sybron Chemicals, Inc.				
	Isobutylbiphenyl	(¹)	(¹)	(¹)	
	Sybron Chemicals, Inc.				
	Isopropylbiphenyl		(¹)	(¹)	
	Sybron Chemicals, Inc.				
	I-Limonene	(¹)	(¹)	(¹)	
	SCM Glidco Organics Corp.				
	p-Mentha-1,8-diene (Limonene)	(¹)	(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	SCM Glidco Organics Corp.				
	p-Mentha-1,3-diene (α-Terpinene)	(¹)	(¹)	(¹)	
	SCM Glidco Organics Corp.				
	p-Mentha-1,4-diene (γ-Terpinene)	(¹)	(¹)	(¹)	
	SCM Glidco Organics Corp.				
	a-Methylstyrene	22,540		(¹)	
	Aristech Chemical Corp.				
	BTL Specialty Resin Corp.				
	Georgia Gulf Corp., Houston Div.				
	Georgia Gulf Corp., Plaquemine Div.				
	Texaco Chemical Co.				
	ar-Methylstyrene (Vinyltoluene)	(¹)	(¹)	(¹)	
	Deltech Corp.				
	Terphenyl (Phenylbiphenyl) (m-,o-,and p-isomers)		(¹)	(¹)	
	Monsanto Co.				
	1,2,3,4-Tetrahydronaphthalene (Tetralin)	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Residual Total	27,581	23,165	64,333	S 2.78
2903	Halogenated derivatives of hydrocarbons	17,011,205	6,093,886	3,194,948	0.52
290311	Chloromethane (Methyl chloride) & chloroethane (Ethyl chloride)	(¹)	(¹)		
29031100	Chloromethane (Methyl chloride) & chloroethane (Ethyl chloride)	(¹)	(¹)	(¹)	
	Chloromethane (Methyl chloride)	477,738	85,204	34,140	0.40
	Dow Chemical Co.				
	Dow Corning Corp.				
	General Electric Co., Silicone Products Div.				
	Occidental Chemical Corp., Chemical Group				
	Vulcan Materials Co., Chemicals Div.				
	Ethyl chloride (Chloroethane)		(¹)	(¹)	
	Dow Chemical Co.				
	PPG Industries, Inc.				
	Residual Total	(¹)		(¹)	
290312	Dichloromethane (Methylene chloride)	(¹)	121,884	43,136	0.35
29031200	Dichloromethane (Methylene chloride)	(¹)	121,884	43,136	0.35
	Methylene chloride (Dichloromethane)		121,884	43,136	0.35
	Dow Chemical Co.				
	Occidental Chemical Corp., Chemical Group				
	Vulcan Materials Co., Chemicals Div.				
	Residual Total	(¹)			
290312XX	HTS Level Residual Total	(¹)			
290313	Chloroform (Trichloromethane)	215,932	201,462	82,242	0.41

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29031300	Chloroform (Trichloromethane)	215,932	201,462	82,242	\$ 0.41
	Chloroform	215,932	201,462	82,242	0.41
	<i>Dow Chemical Co.</i>				
	<i>Occidental Chemical Corp., Chemical Group</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
290314	Carbon tetrachloride		(¹)	(¹)	
29031400	Carbon tetrachloride	(¹)	(¹)	(¹)	
	Carbon tetrachloride	(¹)			
	<i>Dow Chemical Co.</i>				
	<i>Occidental Chemical Corp., Chemical Group</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
290315	1,2-Dichloroethane (Ethylene dichloride)	8,140,558	1,302,933	281,822	0.22
29031500	1,2-Dichloroethane (Ethylene dichloride)	8,140,558	1,302,933	281,822	0.22
	1,2-Dichloroethane (Ethylene dichloride)	8,140,558	1,302,933	281,822	0.22
	<i>Albright & Wilson, Americas, Inc.</i>				
	<i>B F Goodrich Co.</i>				
	<i>Borden Chemical & Plastics Delaware, L.P.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Formosa Plastics Corp., Louisiana</i>				
	<i>Geon Co.</i>				
	<i>Georgia Gulf Corp., Plaquemine Div.</i>				
	<i>Occidental Chemical Corp., Chemical Group</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
	<i>Westlake Corp.</i>				
290319	Saturated chlorinated derivatives of acyclic hydrocarbons, nest	(¹)	353,999	234,712	0.66
29031910	Hezachloroethane and tetrachloroethane	(¹)	132,337	49,566	0.37
	Perchloroethylene (Tetrachloroethane)	(¹)	132,337	49,566	0.37
	<i>Dow Chemical Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
	Residual Total	(¹)			
29031950	Saturated chlorinated derivatives of acyclic hydrocarbons, nest	268,585	221,662	185,146	0.84
	C10-C16 alkyl chlorides	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	Chlorinated (Not otherwise halogenated) hydrocarbons, all other	(¹)	(¹)		
	<i>Lonza, Inc.</i>				
	Chlorinated paraffins, 35-64% chlorine	36,143	35,053	29,647	0.85
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ferro Corp., Kell Chemical Div.</i>				
	<i>Occidental Chemical Corp., Chemical Group</i>				
	Chlorinated paraffins, 65% or more chlorine	(¹)	(¹)	(¹)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Decyl chloride	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	n-Dodecyl chloride	(¹)	(¹)		
	<i>Lonza, Inc.</i>				
	Hexadecyl chloride	(¹)		(¹)	
	<i>Lonza, Inc.</i>				
	Iodoform		(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	Octadecyl chloride	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29031950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Octyl chloride <i>Lonza, Inc.</i>		(¹)	(¹)	
	n-Tetradecyl chloride <i>Lonza, Inc.</i>	(¹)	(¹)		
	1,1,1-Trichloroethane (Methyl chloroform) <i>Dow Chemical Co.</i> <i>PPG Industries, Inc.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	205,246	171,076	133,520	\$ 0.78
	1,1,2-Trichloroethane (Vinyl trichloride) <i>Dow Chemical Co.</i>	(¹)		(¹)	
	Trichloronitromethane (Chloropicrin) <i>Great Lakes Chemical Corp.</i> <i>LCP Chemicals Maine, Div. of Hanlin Group</i> <i>Niklor Chemical Co., Inc.</i>	(¹)	5,278	9,802	1.86
	Residual Total	27,196	10,255	12,177	1.19
290319XX	HIS Level Residual Total	(¹)			
290321	Vinyl chloride (Chloroethylene)	6,450,153	3,324,650	1,117,213	0.34
29032100	Vinyl chloride (Chloroethylene)	6,450,153	3,324,650	1,117,213	0.34
	Vinyl chloride, monomer (Chloroethylene) <i>Borden Chemical & Plastics Delaware, L.P.</i> <i>Dow Chemical Co.</i> <i>Formosa Plastics Corp., Louisiana</i> <i>Geon Co.</i> <i>Georgia Gulf Corp., Plaquemine Div.</i> <i>Occidental Chemical Corp., Chemical Group</i> <i>Occidental Chemical Corp., Polymers and Plastics Group</i> <i>Oxymer</i> <i>PPG Industries, Inc.</i> <i>Vista Chemical Co.</i> <i>Westlake Corp.</i>	6,450,153	3,324,650	1,117,213	0.34
290322	Trichloroethylene	(¹)	(1)	(¹)	
29032200	Trichloroethylene	(¹)	(¹)	(¹)	
	Trichloroethylene <i>Dow Chemical Co.</i> <i>PPG Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total		(¹)		
290329	Unsaturated chlorinated derivatives of acyclic hydrocarbons, nest	(¹)	(¹)	(¹)	
29032900	Unsaturated chlorinated derivatives of acyclic hydrocarbons, nest	(¹)	(¹)	(¹)	
	3-Chloropropene (Allyl chloride) <i>Dow Chemical Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i>	(¹)	(¹)	(¹)	
	1,3-Dichloropropene <i>Dow Chemical Co.</i>		(¹)	(¹)	
	2,3-Dichloropropene <i>Dow Chemical Co.</i>	(¹)	(¹)	(¹)	
	1,2,3-Trichloropropane <i>Dow Chemical Co.</i>		(¹)	(¹)	
	Vinylidene chloride, monomer (1,1-Dichloroethylene) <i>Dow Chemical Co.</i> <i>PPG Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)		(¹)	
290329XX	HTS Level Residual Total	(¹)			
290330	Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons	(¹)	(¹)	(¹)	
29033015	Acetylene tetrabromide; alkyl bromides; methylene dibromide; and vinyl bromide	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29033015 —Continued</i>					
	Bromodocosane <i>Humphrey Chemical Co.</i>	(¹)	(¹)	(¹)	
	Bromoethane (Ethyl bromide) <i>Great Lakes Chemical Corp.</i>	(¹)	(¹)	(¹)	
	1-Bromohexadecane <i>Great Lakes Chemical Corp.</i>	(¹)	(¹)	(¹)	
	2,3-Dibromobutane <i>Humphrey Chemical Co.</i>	(¹)	(¹)	(¹)	
	Dibromomethane (Methylene bromide) <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	Vinyl bromide (Bromoethylene) <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29033020	Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons, nesi	78,709	35,363	91,908	2.60
	1-Bromobutane (n-Butyl bromide) <i>Diaz Chemical Corp.</i> <i>Great Lakes Chemical Corp.</i>	(¹)	(¹)	(¹)	
	1-Bromo-3-methyl-2-butene <i>Sterling Drug, Inc. (Barceloneta)</i>	(¹)	(¹)	(9)	
	1-Bromopropane (n-Propyl bromide) <i>Diaz Chemical Corp.</i>	(¹)	(¹)	(¹)	
	1,1-Difluoroethane <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(¹)		
	Ethylene dibromide <i>Ethyl Corp.</i> <i>Great Lakes Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Hexafluoropropylene, monomer <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(1)	(¹)	
	Iodinated (Not otherwise halogenated) hydrocarbons, all other <i>Deep water Iodides, Inc.</i> <i>RSA Corp.</i>	(¹)	(1)	(1)	
	Iodoethane (Ethyl iodide), non-medical <i>Deep water Iodides, Inc.</i> <i>RSA Corp.</i>	(¹)	(1)	(1)	
	Iodomethane (Methyl iodide) <i>RSA Corp.</i>	(¹)	(¹)	(¹)	
	Methyl bromide (Bromomethane) <i>Ethyl Corp.</i> <i>Great Lakes Chemical Corp.</i>	(¹)	(1)	(1)	
	1,2,2,2-Tetrafluoroethane (F-134a) <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Tetrafluoroethylene (F-1114) <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(1)	(1)	
	Tetrafluoromethane (F-14) <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(9)		
	Trifluoropropene <i>Great Lakes Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Vinyl fluoride, monomer <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Vinylidene fluoride, monomer <i>Ausimont USA, Inc.</i> <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	78,709	35,363	91,908	2.60
290330XX	HTS Level Residual Total	(¹)	(¹)		
290340	Halogenated derivatives of acyclic hydrocarbons containing two or more different halogens	345,611	263,757	911,395	3.46

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales		Average unit value	
		Production	Quantity		Value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29034000	Halogenated derivatives of acyclic hydrocarbons containing two or more different halogens	345,611	263,757	911,395	3.46
	Brominated (Including bromochlorinated) hydrocarbons, all other	1,642	(¹)	(¹)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Humphrey Chemical Co.</i>				
	Bromochlorodifluoromethane	(¹)	(¹)	(¹)	
	<i>Great Lakes Chemical Corp.</i>				
	Bromochloromethane	(¹)	(¹)	(¹)	
	<i>Ethyl Corp.</i>				
	Bromodifluoromethane	(¹)	(¹)	(¹)	
	<i>Great Lakes Chemical Corp.</i>				
	Bromotrifluoromethane	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Great Lakes Chemical Corp.</i>				
	1-Chloro-1,1-difluoroethane (F-142b)	(¹)	(¹)		
	<i>Ausimont USA, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Chlorodifluoromethane (F-22)	132,165	98,884	242,795	2.46
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>LaRoche Chemicals, Inc.</i>				
	Chlorotrifluoroethylene (Trifluorovinyl chloride)	(¹)	(¹)	(¹)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	Chlorotrifluoromethane (F-13)	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Great Lakes Chemical Corp.</i>				
	Dibromodifluoromethane		(¹)	(¹)	
	<i>Great Lakes Chemical Corp.</i>				
	Dichlorodifluoromethane (F-12)	83,699	79,340	322,589	4.07
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>LaRoche Chemicals, Inc.</i>				
	1,1-Dichloro-1-fluoroethane (141b)	(¹)		(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>LaRoche Chemicals, Inc.</i>				
	Dichlorotetrafluoroethane (F-114)	(¹)	(¹)	(¹)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Fluorinated (Including other fluorohalogenated) hydrocarbons, all other	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	1-iodoperfluorohexane	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Trichlorofluoromethane (F-11)	32,803	34,491	91,627	2.66
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.L. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>LaRoche Chemicals, Inc.</i>				
	Trichlorotrifluoroethane (F-113)	(¹)	(¹)	(¹)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				

See endnotes at end of table.

Table 3-1 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29034000 -Continued					
Chemical description/Manufacturer-Continued					
<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>					
<i>Elf Atochem North America, Inc.</i>					
	Residual Total	95,301	51,042	254,384	\$ 4.98
290359	Halogenated derivatives of cyclonic, cyclonic or cycloterpenic hydrocarbons, nesi	32,291	21,626	65,071	3.01
29035910	Halogenated pesticides derived in whole or in part from benzene or other aromatic hydrocarbon, nesi	(1)	(1)	(1)	
	Bis(pentachloro-2,4-dicyclopentadien-1-y1)	(1)	(1)	(1)	
	<i>Sandoz Agra, Inc.</i>				
	Heptachloro-tetrahydro-endo-methanoindene (Heptachlor)	(1)	(1)	(1)	
	<i>Velsicol Chemical Corp.</i>				
	Octachlorohexahydro-4,7-methanoindene (Chlordan)	(1)	(1)	(1)	
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29035915	Halogenated products derived in whole or in part from benzene or other aromatic hydrocarbon, described in additional U.S. note 3 to sec. VI	9,180	(1)	(1)	
	Dibromostyrene	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	a,a,a-Trichlorotoluene (Benzotrifluoride)	(1)	(1)	(1)	
	<i>Occidental Chemical Corp., Chemical Group</i>				
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	9,180	(1)	(1)	
29035920	Halogenated derivatives derived in whole or in part from benzene or other aromatic hydrocarbon, nesi	(1)	(1)	(1)	
	1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29035930	Chlorinated, but not otherwise halogenated derivatives of cyclonic, cyclonic or cycloterpenic hydrocarbons, nesi	(1)	(1)	(1)	
	Hexachlorocyclopentadiene	(1)	(1)	(1)	
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29035950	Halogenated derivatives of cyclonic, cyclonic or cycloterpenic hydrocarbons, nesi	(1)	(1)	(1)	
	Hexabromocyclodecane	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Hexabromocyclododecane	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	Residual Total	(1)	(1)	(1)	
290359XX	HTS Level Residual Total	23,111	21,626	65,071	3.01
290361	Chlorobenzene, o-cfchlorobenzene and p-dichlorobenzene	136,936	68,753	55,534	0.81
29036110	Chlorobenzene	88,555	21,360	15,218	0.71
	Chlorobenzene, mono	88,555	21,360	15,218	0.71
	<i>Monsanto Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Standard Chlorine of Delaware, Inc.</i>				
29036120	o-Dichlorobenzene	15,767	13,928	11,082	0.80
	o-Dichlorobenzene	15,767	13,928	11,082	0.80
	<i>Monsanto Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Standard Chlorine of Delaware, Inc.</i>				
29036130	p-Dichlorobenzene	32,614	33,465	29,235	0.87
	p-Dichlorobenzene	32,614	33,465	29,235	0.87

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29036130 —Continued					
Chemical description/Manufacturer—Continued					
	Monsanto Co.				
	PPG Industries, Inc.				
	Specialty Organics, Inc.				
	Standard Chlorine of Delaware, Inc.				
290362	Hexachlorobenzene and DDT (1,1,1-Trichloro-2,2-bisfp-chlorophenyl ethane)	(1)	(1)	(1)	
29036200	Hexachlorobenzene and DDT (1,1,1-Trichloro-2,2-bis(p-chlorophenyl) ethane)	(1)	(1)	(1)	
	1,2,4-Trichlorobenzene	(1)	(1)	(1)	
	Standard Chlorine of Delaware, Inc.				
	1,2,3(and 1,2,4)-Trichlorobenzene	(1)	(1)	(1)	
	PPG Industries, Inc.				
	Standard Chlorine of Delaware, Inc.				
	Residual Total	(1)	(1)	(1)	
290369	Halogenated derivatives of aromatic hydrocarbons, nesi	(1)	(1)	(1)	
29036910	m-Dichlorobenzene; 1,1-dichloro-2,2-bisfp-ethylphenylethane; and trichlorobenzenes	(1)	(1)	(1)	
	m-Dichlorobenzene	(1)	(1)	(1)	
	Monsanto Co.				
	Residual Total	(1)	(1)	(1)	
29036920	Benzyl chloride (alpha-Chlorotoluene): benzotrichloride (alpha, alpha, alpha-trichlorotoluene)	(1)	(1)	(1)	
	a-Chlorotoluene (Benzyl chloride)	(1)	(1)	(1)	
	Monsanto Co.				
	Residual Total	(1)	(1)	(1)	
29036930	Pesticides made of halogenated derivatives of aromatic hydrocarbons	(1)			
	1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor)	(1)	(1)	(1)	
	Kincaid Enterprises, Inc.				
	Residual Total	(1)	(1)	(1)	
29036960	Halogenated derivatives of aromatic hydrocarbons, nesi	41,779	32,473	80,261	\$ 2.47
	Bromobenzene, mono	(1)	(1)		
	Diaz Chemical Corp.				
	Ethyl Corp.				
	Bromochlorobenzene	(1)	(1)		
	Diaz Chemical Corp.				
	Bromoethylbenzene	(1)	(1)	(1)	
	Great Lakes Chemical Corp.				
	p-Bromofluorobenzene	(1)	(1)	(1)	
	Company not disclosed				
	2-Bromofluorobenzene	(1)	(1)	(1)	
	Diaz Chemical Corp.				
	3-Bromofluorobenzene	(1)	(1)	(1)	
	Diaz Chemical Corp.				
	p-Bromotoluene		(1)	(1)	
	Diaz Chemical Corp.				
	Decabromodiphenyl ether (DBDP)	(1)	(1)	(1)	
	Ethyl Corp.				
	Great Lakes Chemical Corp.				
	p-Dibromobenzene	(1)	(1)	(1)	
	Diaz Chemical Corp.				
	(1,2-Dibromoethyl)benzene	(1)	(1)	(1)	
	Diaz Chemical Corp.				
	3,4-Dichlorobenzotrifluoride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29036960 —Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	Occidental Chemical Corp., Chemical Group				
	Dodecylmethylbenzyl chloride	(¹)	(¹)	(¹)	
	Schenectady International, Inc.				
	p-Iodotoluene	(¹)	(¹)	(¹)	
	RSA Corp.				
	Mitotane	(¹)	(¹)	(¹)	
	Company not disclosed				
	1,2,4,5-Tetrachlorobenzene	(¹)	(¹)	(¹)	
	Standard Chlorine of Delaware, Inc.				
	Residual Total	41,779	32,473	80,261	\$ 2.47
2903XX	HTS Level Residual Total	643,981	192,591	107,834	0.56
2904	Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	(¹)	(¹)	(¹)	
290410	Derivatives of hydrocarbons containing only sulfo groups, their salts and ethyl esters	(¹)	(¹)	(¹)	
29041032	HTS Level Residual Total	5,060	(¹)	(¹)	
	P-Toluene sulfate, zinc salt		(¹)	(¹)	
	Uniroyal Chemical Co., Inc.				
	Thiodiphenol		(¹)	(¹)	
	James River Paper Co., Inc.				
	p-Toluenesulfonic acid	4,865	3,858	2,962	0.77
	BIT Manufacturing, Inc.				
	Ruetgers Nease Corp.				
	Sloss Industries Corp.				
	p-Toluenesulfonic acid, aniline salt	(¹)	(¹)	(¹)	
	Ruetgers Nease Corp.				
	7,7'-Ureylenebis[4-hydroxy-2-naphthalenesulfonic acid] (J-Acid urea)	(¹)	(¹)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Residual Total	195	(¹)	(¹)	
29041037	HTS Level Residual Total	555,728	188,464	150,813	0.80
	Benzene sulfonic acid	(¹)	(¹)	(¹)	
	Dynachem, Inc.				
	Benzenesulfonic acid	(¹)		(¹)	
	Sloss Industries Corp.				
	Benzenesulfonyl chloride	(¹)	(¹)	(¹)	
	Sloss Industries Corp.				
	Butylnaphthalenesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	Henkel Corp.				
	Cumenesulfonic acid, ammonium salt	(¹)	(¹)	(¹)	
	Stepan Co.				
	Cumenesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	Stepan Co.				
	N-(1,2-Dicarboxyethyl)-N-octadecylsulfosuccinamic acid, tetrasodium salt	(¹)	(¹)	(¹)	
	Cytec Industries				
	Mona Industries, Inc.				
	Didodecylbenzenesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	Exxon Chemical Americas				
	Diisopropyl-naphthalenesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Henkel Corp.				
	Diphenylsulfone sulfonic acid, potassium salt	(¹)		(¹)	
	Sloss Industries Corp.				
	Dodecylbenzene sulfonates, all other		(¹)	(¹)	
	Exxon Chemical Americas				
	Kenrich Petrochemicals, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29041037 —Continued					
Chemical description/Manufacturer—Continued					
	Dodecylbenzenesulfonic acid BIT Manufacturing, Inc. Ethyl Corp. Exxon Chemical Americas Lever Brothers Co Pilot Chemical Co. Safeway, Inc. Stepan Co. Vista Chemical Co. Witco Corp.	190,860	108,975	69,150	\$ 0.63
	Dodecylbenzenesulfonic acid, ammonium salt Company not disclosed Company not disclosed	(1)	(1)		
	Dodecylbenzenesulfonic acid, calcium salt Company not disclosed Harcros Chemicals, Inc. Hoechst Celanese Corp., Sou Tex Works ICI Americas, Inc., Specialty Chemicals Div. Rohm & Haas Co. Stepan Co. Witco Corp.	2,320	936	3,728	3.98
	Dodecylbenzenesulfonic acid, potassium salt Company not disclosed Essential Industries, Inc. Leatex Chemical Co.	17	(¹)	(¹)	
	Dodecylbenzenesulfonic acid, sodium salt Astor Products, Inc., Blue Arrow Div. BIT Manufacturing, Inc. Boehme Filatex., Inc. Burlington Industries Dow Chemical Co. Eastern Color & Chemical Co. Emkay Chemical Co. Grant Industries, Inc. JTM Products, Inc. Leatex Chemical Co. Lever Brothers Co PPG Industries, Inc. Piedmont Chemical Industries, Inc. Pilot Chemical Co. Procter & Gamble Co., Procter & Gamble Mfg. Co. Ruetgers Neese Corp. Stepan Co. Vista Chemical Co. Witco Corp.	294,728	21,528	38,494	1.79
	Methylnaphthalenesulfonic acid, sodium salt Grant Industries, Inc.	(¹)	(¹)		
	[Mono-(C ₁₀₋₁₆)alkyl derivatives] benzenesulfonic acid, ammonium salt Company not disclosed	(¹)	(¹)	(¹)	
	Naphthalenesulfonic acid, bis(2-methylethyl)k compounded with cyclohexanamine (1:1) Company not disclosed			(¹)	
	Naphthalene sulfonic acid, sodium salt, formaldehyde condensate ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(¹)		
	Oleamidofosuccinamic acid, disodium salt Scher Chemicals, Inc.	(1)	(1)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29041037 —Continued					
Chemical description/Manufacturer—Continued					
	N-101eoyloxyisopropylIulfosuccinamic acid <i>Witco Corp.</i>	(1)	(1)	(1)	
	Oxirane, methyl-, polymer with oxirane, didodecylbenzenesulfonate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Sodium trichlorobenzenesulfate <i>Sloss Industries Corp.</i>	(1)	(1)	(1)	
	Toluenesulfonic acid <i>Dynachem, Inc.</i>	(1)	(1)	(1)	
	Toluenesulfonic acid, sodium salt <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>	(1)	(1)	(1)	
	Toluene-,xylenesulfonic acids, mixture <i>Witco Corp.</i>	(1)	(1)	(1)	
	Tridecylbenzenesulfonic acid <i>Stepan Co.</i>	(1)	(1)	(1)	
	Tridecylbenzenesulfonic acid, sodium salt <i>Astor Products, Inc., Blue Arrow Div.</i> <i>Grant Industries, Inc.</i> <i>Stepan Co.</i>	(1)	(1)	(1)	
	Xylenesulfonic acid <i>Dynachem, Inc.</i>	(1)	(1)	(1)	
	2,4-Xylenesulfonic acid <i>Sloss Industries Corp.</i>	(1)	(1)	(1)	
	Xylenesulfonic acid, ammonium salt <i>Stepan Co.</i>	(1)	(1)	(1)	
	Xylenesulfonic acid, mixed isomers <i>Ruetgers Nease Corp.</i>	(1)	(1)	(1)	
	Xylenesulfonic acid, sodium salt <i>Henkel Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Pilot Chemical Co.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	Residual Total	67,802	57,026	27,258	\$ 0.48
29041050	Nonaromatic derivatives of hydrocarbons containing only sulfo groups, their salts and ethyl esters, nesi	(1)	(1)	(1)	
	3-Allyloxy-2-hydroxypropane sulfonic acid, sodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Methanesulfonyl chloride <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Pinene, sulfate <i>Arizona Chemical Co.</i> <i>Hercules, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290420	Derivatives of hydrocarbons containing only nitro or only nitroso groups	(1)	230,980	118,387	0.51
29042010	p-Nitrotoluene	(1)	(1)	(1)	
	p-Nitrotoluene <i>E.I. Dupont de Nemours & Co., Inc., Chems & figments</i> <i>First Chemical Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29042035	Nitrated benzene, nitrated toluene (except p-nitrotoluene) or nitrated naphthalene	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29042035 —Continued					
	m-Dinitrobenzene First Chemical Corp.	(1)	(I)	(1)	
	2,4(and 2,6)-Dinitrotoluene Company not disclosed Rubicon, Inc.	V)	(1)	(1)	
	Nitrobenzene BASF Corp, (Parsippany, NJ) First Chemical Corp. ICI Americas, Inc., Polyurethanes Group Rubicon, Inc.	484,422	(1)	(1)	
	m-Nitrotoluene First Chemical Corp.	(V)	(1)	(1)	
	o-Nitrotoluene First Chemical Corp.	(1)	(1)	(1)	
	Residual Total	V1	(1)	(1)	
29042040	Aromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, described in additional U.S. note 3 to section VI	(V)	(1)	(1)	
	Cumenesulfonic acid, ammonium salt Ruetgers Nease Corp.	(1)	(1)	(1)	
	Cumenesulfonic acid, sodium salt Ruetgers Nease Corp.	(1)	(1)	V)	
	p-Dinitrosobenzene Lord Corp., Chemical Products Div.	(0)	(0)	(1)	
	Toluenesulfonic acid, potassium salt Ruetgers Nease Corp.	(1)	(1)	V)	
	Toluenesulfonic acid, sodium salt Ruetgers Nease Corp.	(V)	(1)	(1)	
	Residual Total	(0)	(1)	(1)	
29042045	Aromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, nesi	(1)	(1)	(1)	
	p-Chlorobenzenesulfonic acid Gloss Industries Corp.	(0)	(1)	(1)	
	Nitrotoluene mixtures First Chemical Corp.	(0)	(1)	V)	
	Xylenesulfonic acid, ammonium salt Ruetgers Nease Corp.	(1)	V)	(1)	
	Xylenesulfonic acid, sodium salt Ruetgers Nease Corp.	(1)	(V)	(1)	
	Residual Total	(1)	(1)	(0)	
29042050	Nonaromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, nesi	(1)	(1)	(1)	
	Nitroethane Angus Chemical Co. Company not disclosed	(1)	(1)	(1)	
	Nitromethane Angus Chemical Co. Company not disclosed	(1)	(1)	V)	
	1-Nitropropane Angus Chemical Co.	(1)	(1)	(1)	
	2-Nitropropane Angus Chemical Co.	(1)	(1)	(1)	
	Residual Total	(1)	(I)	(1)	
290420XX	HTS Level Residual Total	74,148	230,980	118,387	\$ 0.51
	Hexadecanolide International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290490	Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, nesi	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29049004	o- and p-Nitrochlorobenzenes	(¹)	(¹)	(¹)	
	1-Chloro-2-nitrobenzene (Chloro-o-nitrobenzene) <i>E.L Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	1-Chloro-3-nitrobenzene (Chloro-m-nitrobenzene) <i>Monsanto Co.</i>	(¹)	(1)	(1)	
	1-Chloro-4-nitrobenzene (Chloro-p-nitrobenzene) <i>Monsanto Co.</i>	(¹)	(¹)		
	Residual Total	(1)	(1)	(1)	
29049040	Aromatic sulfonated, nitrated or nitrosated derivatives of hydrocarbons nest, described in additional U.S. note 3 to section VI	(¹)		(¹)	
	3,5-Dinitro-o-toluic acid <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	1,2,3-Trichloro-4,6-dinitrobenzene <i>Salsbury Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Trichlorophenylsilane <i>Dow Corning Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29049047	Aromatic sulfonated, nitrated or nitrosated derivatives of hydrocarbons, noel	11,240	6,276	27,119	\$ 4.32
	p-Bromo-/I-nitrostyrene <i>Givaudan Corp.</i>	(¹)	(1)	(¹)	
	1-Chloro-2,4-dinitrobenzene (Dinitrochlorobenzene) <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(1)	(1)	
	4-Chloro-3,5-dinitrobenzenesulfonic acid, potassium salt <i>Lomac, Inc.</i>	(¹)	(¹)	(¹)	
	4-Chloro-3-nitrobenzotrifluoride <i>Diaz Chemical Corp.</i>	(¹)	(¹)	(¹)	
	2,4-Dichloro-5-nitrotrifluoromethylbenzene <i>Diaz Chemical Corp.</i>	(¹)	(1)	(1)	
	2,4-Dinitrobenzenesulfonic acid, sodium salt <i>Eastman Kodak Co.</i>	(¹)	(¹)	(¹)	
	m-Nitrobenzenesulfonic acid, sodium salt <i>Crown Metro, Chemicals Inc.</i>	(¹)	(¹)	(¹)	
	Pentachloronitrobenzene (PCNB) <i>AMVAC Chemical Corp.</i> <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)		
	Residual Total	11,240	6,276	27,119	4.32
2905	Acyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)	(¹)	(¹)	
290511	Methanol (Methyl alcohol)	4,765,318	2,709,697	335,103	0.12
29051120	Methanol (Methyl alcohol), other than imported only for use in producing synthetic natural gas (SN13) or for direct use as fuel	4,765,318	2,709,697	335,103	0.12
	Methanol, synthetic <i>Air Products & Chemicals, Inc.</i> <i>Ashland Chemical, Inc., Ashland Petroleum Co.</i> <i>Beaumont Corp.</i> <i>Borden Chemical & Plastics Delaware, L.P.</i> <i>Coastal Chem, Inc.</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Enron Methanol Co.</i> <i>Exxon Chemical Americas</i> <i>Georgia Gulf Corp., Plaquemine Div.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i> <i>Hoechst Celanese Corp., Fibers Industrial Div.</i>	4,765,318	2,709,697	335,103	0.12

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29051120 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Lyondell Petrochemical Co.				
	Phillips 66 Co.				
	Quantum Chemical Corp., US/ Div.				
	Texaco Chemical Co.				
290512	Propan-1-ol (Propyl alcohol) and propan-2-ol (Isopropyl alcohol)	662,564	537,018	231,132	\$ 0.43
29051200	Propan-1-ol (Propyl alcohol) and propan-2-ol (Isopropyl alcohol)	662,564	537,018	231,132	0.43
	Isopropyl alcohol	576,845	487,029	193,435	0.40
	Atlantic Richfield Co., ARCO Chemical Co.				
	Exxon Chemical Americas				
	Lyondell Petrochemical Co.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
	Propyl alcohol (Propanol)	85,718	49,989	37,697	0.75
	Atlantic Richfield Co., ARCO Chemical Co.				
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
290513	Butan-1-ol (n-Butyl alcohol)	606,512	319,473	144,190	0.45
29051300	Butan-1-ol (n-Butyl alcohol)	606,512	319,473	144,190	0.45
	n-Butyl alcohol (n-Propylcarbinol)	606,512	319,473	144,190	0.45
	BASF Corp, (Parsippany, NJ)				
	Chemical Exchange Industries, Inc.				
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	ISP Chemicals, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Vista Chemical Co.				
	Witco Corp.				
290514	Butanols, except butan-1-ol	(1)	(1)	(1)	
29051400	Butanols, except butan-1-ol	(1)	(1)	(1)	
	Aluminum tri-sec-butoxide	(1)	(1)	(1)	
	Chattem, Inc.				
	sec-Butyl alcohol (Methylethylcarbinol)	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Shell Oil Co., Shell Chemical Co.				
	tert-Butyl alcohol (Trimethylcarbinol)	(1)	(1)	(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Isobutyl alcohol (Isopropylcarbinol)	59,091	42,141	22,993	0.55
	BASF Corp, (Parsippany, NJ)				
	CPS Chemical Co., Inc.				
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	3-Phenyl-butanol	(1)	(1)	(1)	
	Firmenich, Inc.				
	Residual Total	(1)	(1)	(1)	
290514XX	HTS Level Residual Total	(1)	(1)	(1)	
290515	Pentanol (Amyl alcohol) and isomers thereof	(1)	(1)	(1)	
29051500	Pentanol (Amyl alcohol) and isomers thereof	(1)	(1)	(1)	
	2-Methyl-1-butanol	(1)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	3-Methyl-1-butanol (Isoamyl alcohol)	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29051500 —Continued</i>					
	1-Pentanol <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(1)	(1)	
	Residual Total	(1)		(¹)	
290516	Octanol (Octyl alcohol) and isomers thereof	(¹)	(¹)	(¹)	
29051600	Octanol (Octyl alcohol) and isomers thereof	(¹)	(¹)	(¹)	
	2-Ethyl-1-hexanol <i>Aristech Chemical Corp.</i> <i>BASF Corp., (Parsippany, N.11</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Witco Corp.</i>	315,052	168,185	101,678	\$ 0.60
	Iso-octyl alcohol <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	1-Octanol <i>Ethyl Corp.</i> <i>Vista Chemical Co.</i>	(¹)	(¹)	(1)	
	2-Octanol (sec-Capryl alcohol) <i>Union Camp Corp., Chemical Div.</i>		(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
290517	Dodecan-1-ol (Lauryl alcohol), hexadecan-1-ol (Cetyl alcohol), octadecan-1-ol (Stearyl alcohol)	(¹)		(¹)	
29051700	Dodecan-1-ol (Lauryl alcohol), hexadecan-1-ol (Cetyl alcohol), octadecan-1-ol (Stearyl alcohol)	(¹)	(¹)	(¹)	
	Dodecyl alcohol (lauryl alcohol) <i>Ethyl Corp.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>		1,903	2,977	1.66
	1-Hexadecanol (Cetyl alcohol) <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>	17,285	(¹)	(¹)	
	1-Octadecanol (Stearyl alcohol) <i>Ethyl Corp.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i> <i>Witco Corp.</i>	22,440	19,112	23,671	1.24
	Residual Total	(¹)		(¹)	
290519	Saturated monohydric alcohols, nesi	335,421	98,431	146,366	1.49
29051900	Saturated monohydric alcohols, nesi	335,421	98,431	146,366	1.49
	Alcohols, unmixed C ₁ , or lower, all other) <i>Poly Organix, Inc.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(1)	(1)	
	1-Decanol <i>Ethyl Corp.</i> <i>Vista Chemical Co.</i> <i>Witco Corp.</i>	(¹)	5,183	6,397	1.23
	Dihydro terpineol <i>SCM Glidco Organics Corp.</i>	(¹)	(¹)	(¹)	
	2,2-Dimethylbutanol (Isohexyl alcohol) <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	2, 6-Dimethylheptan-2-ol <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	3,7-Dimethyl-trans-2,6-octadien-1-ol (Geraniol) <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29051900 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	SCM Glidco Organics Corp. Union Camp Corp., BBA Div.				
	3,7-Dimethyl-1,6-octadien-3-ol (Linalool) (Linalyl alcohol) Elan Chemical Co. International Flavors & Fragrances, Inc. SCM Glidco Organics Corp.	(¹)	(¹)	(¹)	
	3,7-Dimethyl-cis-2,6-octadien-1-ol (Nerol) Givaudan Corp. SCM Glidco Organics Corp. Union Camp Corp., BBA Div.		(¹)	(¹)	
	3,7-Dimethyl-3-octanol Givaudan Corp. SCM Glidco Organics Corp. Union Camp Corp., BBA Div.	(¹)	(1)	(¹)	
	3,7-Dimethyloctanol-1 (Tetrahydrogeraniol) International Flavors & Fragrances, Inc. SCM Glidco Organics Corp.	(¹)	(1)	(1)	
	n-Hexyl alcohol Ethyl Corp. Vista Chemical Co.	(¹)	(¹)	(1)	
	Hexyl nitrate EL Dupont de Nemours & Co., Inc., Chems & Pigments		(1)	(1)	
	2-(Hydroxymethyl)ethanol Troy Chemical Corp.	(¹)	(¹)	(1)	
	Isodecyl alcohol Exxon Chemical Americas	(1)	(1)	(1)	
	Isoheptyl alcohol Exxon Chemical Americas	(1)	(¹)	(1)	
	Isononyl alcohol Exxon Chemical Americas Shell Oil Co., Shell Chemical Co.	(¹)	(¹)	(1)	
	Magnesium methylate Specialty Organics, Inc.	(¹)	(¹)	(¹)	
	4-Methyl-2-pentanol (1-Methylisobutylcarbinol) Union Carbide Corp., Industrial Chemicals Div.	(1)	(¹)	(1)	
	Sodium t-butoxide Company not disclosed	(1)		(1)	
	Sodium methoxide (Sodium methylate) Occidental Chemical Corp., Chemical Group	(1)	(1)	(1)	
	1-Tetradecanol (Myristyl alcohol) Procter & Gamble Co., Procter & Gamble Mfg. Co. Vista Chemical Co.	(1)	(1)	(1)	
	Tetrahydromyrcenol SCM Glidco Organics Corp.	(1)	(1)	(1)	
	1-Tridecanol Exxon Chemical Americas	(1)	(1)	(1)	
	Undecanol (Linear C ₁₁ alcohol) BASF Corp, (Parsippany, NJ) Exxon Chemical Americas	(¹)	(¹)	(¹)	
	Residual Total	335,421	93,247	139,968	\$ 1.50
290521	Allyl alcohol	(¹)	(¹)	(¹)	
29052100	Allyl alcohol	(¹)	(¹)	(¹)	
	Allyl alcohol Atlantic Richfield Co., ARCO Chemical Co.	(1)	(1)	(1)	
	Residual Total		(1)	(¹)	
290522	Acyclic terpene alcohols	(¹)			
29052250	Acyclic terpene alcohols, other than geraniol and isophytol	(¹)	(¹)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29052250 —Continued					
	Dihydrolinalool	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Dihydro myrcenol	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	3,7-Dimethyl-6-octen-1-ol (Citronellol)	1,704		(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	3,7-Dimethyl-7-octenol 70%, 6-octenol isomer 30%	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Ethyl trimethyl cyclopentenyl buterol	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Rhodinol	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total			(¹)	
290522XX	HTS Level Residual Total		(¹)	(¹)	
290529	Unsaturated monohydric alcohols, other than allyl alcohol or acyclic tarpons alcohols	(¹)	(¹)	(¹)	
29052900	Unsaturated monohydric alcohols, other than allyl alcohol or acyclic tarpons alcohols	(¹)	(¹)	(¹)	
	Ethchlorvynol		(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	Methyl butynol	(¹)		(¹)	
	<i>Company not disclosed</i>				
	Methyl pentynol			(¹)	
	<i>Company not disclosed</i>				
	2-Propyn-1-ol (Propargyl alcohol)	(¹)		(¹)	
	<i>ISP Chemicals, Inc.</i>				
	5-(2,2,3-Trimethyl(cyclopent-3-en-1-yl)-3-methylpentan-2-ol	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Residual Total	(¹)		(¹)	
290529XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
290531	Ethylene glycol (Ethanediol)	2,358,831	2,249,501	782,352	\$ 0.35
29053100	Ethylene glycol (Ethanediol)	2,358,831	2,249,501	782,352	0.35
	Ethylene glycol	2,358,831	2,249,501	782,352	0.35
	<i>BASF Corp., (Parsippany, NJ)</i>				
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>P D Glycol</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., US/ Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
290532	Propylene glycol (Propane-1,2-diol)	383,659	295,867	231,344	0.78
29053200	Propylene glycol (Propane-1,2-diol)	383,659	295,867	231,344	0.78
	Propylene glycol (1,2-Propanediol)	383,659	295,867	231,344	0.78
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29053200 —Continued					
Chemical description/Manufacturer—Continued					
	OM Corp. Phillips 66 Co. Texaco Chemical Co.				
290539	Dials excluded ethylene glycol or propylene glycol	(¹)	(¹)	(¹)	
29053910	Butylene glycol	(¹)	(¹)	(¹)	
	1,4-Butanediol	244,906	62,476	79,179	\$ 1.27
	Atlantic Richfield Co., ARCO Chemical Co. BASF Corp, (Parsippany, NJ) E.I. Dupont de Nemours & Co., Inc., Chems & Pigments ISP Chemicals, Inc.				
	1,2 (and 1,3)-Butanediol	(¹)	(¹)		
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Residual Total	(¹)	(I)	(¹)	
29053920	Neopentyl glycol	(¹)	(I)	(I)	
	2,2-Dimethyl-1,3-propanediol (Neopentyl glycol)	(I)	(I)	(¹)	
	BASF Corp, (Parsippany, NJ) Eastman Kodak Co., Texas Eastman Co. Div. Perstorp Polyols, Inc.				
	Residual Total	(¹)	(I)	(I)	
29053950	Dials, nesi	1,234,346	820,686	955,662	1.16
	Allyl glycol, mono	(I)	(I)	(I)	
	Rhone Poulenc, Inc.				
	2-Butene-1,4-diol	(I)		(I)	
	ISP Chemicals, Inc.				
	2-Butyne-1,4-diol	(I)	(I)	(¹)	
	ISP Chemicals, Inc.				
	Dimethyl hexanediol			(I)	
	Company not disclosed				
	2,5-Dimethyl-3-hexyne-2,5-diol	(¹)	(¹)	(¹)	
	Company not disclosed				
	2-Ethyl-1,3-hexanediol	(¹)		(I)	
	Dixie Chemical Co., Inc.				
	2-Ethyl-2-hydroxymethylhexanol		(I)	(¹)	
	Eastman Kodak Co., Texas Eastman Co. Div.				
	1,6-Hexanediol		(I)	(¹)	
	BASF Corp, (Parsippany, NJ) Chemical Exchange Industries, Inc.				
	Hydroxycitronellol	(¹)	(I)	(¹)	
	SCM Glidco Organics Corp.				
	2-Methyl-2,4-pentanediol (Hexylene glycol)	(¹)	10,820	10,458	0.97
	Atlantic Richfield Co., ARCO Chemical Co. Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div. Witco Corp.				
	1,5-Pentanediol	(I)	(I)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Polyester polyols for urethanes	(¹)	57,199	84,886	1.48
	Brin Mont Chemicals, Inc. Cape Industries [C] Americas, Inc., Polyurethanes Group PPG Industries, Inc. Pioneer Plastics Corp. Ruco Polymer Corp. Soluol Chemical Co., Inc. Stahl, USA				
	Polyether polyols for urethanes	1,017,651	732,176	808,031	1.10
	Atlantic Richfield Co., ARCO Chemical Co. BASF Corp, (Parsippany, NJ)				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29053950 — Continued</i>					
<i>Chemical description/Manufacturer—Continued.</i>					
	<i>Brin Mont Chemicals, Inc.</i>				
	<i>Carpenter Co.</i>				
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Cook Composites and Polymers Co.</i>				
	<i>Courtaulds Aerospace, Inc.</i>				
	<i>Dow Chemical Co.</i>				
	<i>ICI Americas, Inc., Polyurethanes Group</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Ino/ex Chemical Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Olin Corp.</i>				
	<i>P.D. George Co.</i>				
	<i>Pelron Corp.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rubicon, Inc.</i>				
	<i>Synthron, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2,2,4-Trimethyl-1,3-pentanediol	(1)	(1)		
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Witco Corp.</i>				
	Residual Total	216,695	20,492	52,287	\$ 2.55
290541	2-Ethyl-2-(hydroxymethyl)propane-1,3-diol (Trimethylolpropane)	(1)	(1)		
29054100	2-Ethyl-2-(hydroxymethyl)propane-1,3-diol (Trimethylolpropane)	(1)	(1)	(1)	
	2-Ethyl-2-(hydroxymethyl)-1,3-propanediol (Trimethylolpropane)	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Residual Total		(1)	(1)	
290542	Pentaerythritol	57,560	59,112	84,969	1.44
29054200	Pentaerythritol	57,560	59,112	84,969	1.44
	Pentaerythritol	57,560	59,112	84,969	1.44
	<i>Hercules, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Perstorp Polyols, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
290644	D-glucitol (Sorbitol)		(1)	(1)	
29054400	D-glucitol (Sorbitol)	(1)	(1)	(1)	
	Sorbitol, crystalline	(1)		(1)	
	<i>Lonza, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Roquette Corp.</i>				
	Sorbitol (70% by Weight)	140,566	119,039	64,066	0.54
	<i>Archer Daniels Midland Co.</i>				
	<i>Ethichem Corp.</i>				
	<i>Hoffmann LaRoche, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>Roquette Corp.</i>				
	Residual Total				
290549	Polyhydric alcohols, nesi	(1)	(1)	(1)	
29054920	Polyhydric alcohols derived from sugars	(1)	(1)	(1)	
	2-(Hydroxymethyl)-2-methyl-1,3-propanediol (Trimethylolpropane)	(1)	(1)	(1)	
	<i>Trimet Technical Products, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29054950	Polyhydric alcohols, nesi	41,736	34,234	47,578	1.39
	Polyhydric alcohols, all other	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29054950 —Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	ICI Americas, Inc., Specialty Chemicals Div.				
	Lonza, Inc.				
	Polyoxyalkylene glycol)-polymer with polymethylene-polyphenylene isocyanate; urethane prepolymer	(¹)	(1)		
	General Latex and Chemical Corp.				
	Starch, hydrolyzed and hydrogenated	(¹)	(1)	(1)	
	JC/ Americas, Inc., Specialty Chemicals Div.				
	Roquette Corp.				
	Xylitol (1,2,3,4,5-Pentane(011)5)	(1)	(¹)		
	Lonza, Inc.				
	Residual Total	41,736	34,234	47,578	\$ 1.39
290550	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols	(¹)	(¹)	(¹)	
29055010	Halogenated, sulfonated, nitrated or nitrosated derivatives of monohydric alcohols	(1)	(¹)	(¹)	
	2-Methyl-2-nitro-1,3-propanediol	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.				
	2-Methyl-2-nitro-1-propanol	(¹)	(¹)		
	Angus Chemical Co.				
	Trifluoroethanol	(1)		(1)	
	Halocarbon Products Corp.				
	Residual Total	(¹)	(¹)	(¹)	
29055050	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols, excluding derivatives of monohydric alcohols	(¹)	1,402	7,251	5.17
	2-Bromo-2-nitropropanediol		(¹)	(¹)	
	Angus Chemical Co.				
	3-Chloro-1,2-propanediol (Glycerol o-chlorohydrin)	(1)	(1)	(1)	
	Dixie Chemical Co., Inc. -				
	Hampshire Chemical Corp., Evans Chemetics				
	2-(Hydroxymethyl)-2-nitro-1,3-propanediol (Tris-(hydroxymethyl)nitromethane)		(¹)		
	Angus Chemical Co.				
	Iodinated glycerol	(1)	(¹)	(¹)	
	Arenol Chemical Corp.				
	Company not disclosed				
	Pentaerythritol, brominated	(¹)	(1)	(1)	
	Ethyl Corp.				
	Residual Total	(1)	1,402	7,251	5.17
2905XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
2906	Cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	315,108	(¹)	(¹)	
290611	Menthol	(¹)	(¹)	(¹)	
29061100	Menthol	(¹)	(¹)	(¹)	
	dl-Menthol, synthetic	(¹)	(¹)	(¹)	
	Haarmann & Reimer Corp.				
	SCM Glidco Organics Corp.				
	Union Camp Corp., BBA Div.				
	l-Menthol, synthetic	(¹)	(¹)	(¹)	
	Givauden Corp.				
	Haarmann & Reimer Corp.				
	Residual Total	(¹)	(¹)	(¹)	
290612	Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols			(¹)	
29061200	Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols	(¹)		(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29061200 — Continued					
	Cyclohexanol	(¹)			
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	Residual Total	(¹)	(¹)	(¹)	
290614	Terpineols	(¹)	(¹)	(¹)	
29061400	Terpineols	(¹)	(¹)	(¹)	
	2-Pinanol (cis and trans)	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Terpene alcohols, mixed (verbanol, terpineol, plinol, etc.),	(1)	(¹)		
	<i>SCM Glidco Organics Corp.</i>				
	Terpinene-ol	(¹)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	a-Terpineol	980	677	1,467	\$ 2.17
	<i>Hercules, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
290614XX	HTS Level Residual Total	(¹)			
290619	Cyclonic, cyclonic or cycloterpenic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(¹)	(¹)	(¹)	
29061900	Cyclonic, cyclonic or cycloterpenic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(¹)	(¹)	(¹)	
	Amyl cinnamyl alcohol	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Cedrenol	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Cedrol	(¹)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	1,4-Cyclohexylenedimethanol	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	trans-Decahydro-β-naphthol	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Dimethyl cyclohexane methanol	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	2-Isopropylcyclohexanol	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Plinol	(1)	(1)	(1)	
	<i>SCM Glidco Organics Corp.</i>				
	Trimethyl norbornane methanol	(1)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
290621	Aromatic benzyl alcohol	(¹)	(¹)	(¹)	
29062100	Benzyl alcohol	(¹)	(¹)	(¹)	
	Benzyl alcohol	(¹)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(¹)	
290629	Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi				
		3,215	3,287	31,890	9.70
29062910	Phenethyl alcohol	(¹)			
	Phenethyl alcohol	(¹)		(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 29062910 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Atlantic Richfield Co., ARCO Chemical Co. International Flavors & Fragrances, Inc.				
	Residual Total	(1)	(1)	(1)	
29062920	Odoriferous or flavoring compounds of aromatic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)			
	2-tert-Butyl cyclohexanol International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Cyclomethylene citronellol Firmenich, Inc.	(1)	(1)	(1)	
	Phenylhexanol Firmenich, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29062950	Aromatic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)			
	Benzhydrol (Diphenylmethanol) Parke Davis Div. of Warner Lambert, Inc.	(1)	(1)	(1)	
	2-Methyl-1,1-biphenyl(n-3-y1) methanol Ruetgers Neese Corp.	(1)	(1)	(1)	
	p-Nitrophenethyl alcohol Pfister Chemical, Inc.	(1)	(1)	(1)	
	1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene Ethyl Corp.	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
290629XX	HTS Level Residual Total	3,215	3,287	31,890	\$ 9.70
2906XX	HTS Level Residual Total	311,893	17,457	40,141	2.30
2907	Phenols; phenol-alcohols	(1)	1,467,640	1,279,787	0.87
290711	Phenol (Hydroxybenzene) and its salts	1,544,222	(1)	(1)	
29071100	Phenol (Hydroxybenzene) and its salts	1,544,222		(1)	
	Ammonium phenolsulfonate Salsbury Chemicals, Inc.	(1)	(1)	(1)	
	Phenol, natural, from petroleum, U.S.P. Merichem Co.	(1)		(1)	
	Phenol salts, all other Chevron Corp., Chevron Chemical Co. Ethyl Corp.	(1)	(1)	(1)	
	Phenol, synthetic, all other Kalama Chemical, Inc.		(1)	(1)	
	Phenol, synthetic, by caustic fusion, all other INDSPEC Chemical Corp.	(1)	(1)	(1)	
	Phenol, synthetic, from cumene by oxidation, U.S.P. Allied Signal, Inc., Engineered Materials Sector Aristech Chemical Corp. BTL Specialty Resin Corp. Dow Chemical Co. General Electric Co., Plastics Div. Georgia Gulf Corp., Houston Div. Georgia Gulf Corp., Plaquemine Div. Shell Oil Co., Shell Chemical Co. Texaco Chemical Co.	1,447,000	959,269	552,494	0.58
	Residual Total	97,222		(1)	
290712	Cresols and their salts	(1)	(1)		
29071200	Cresols and their salts	(1)	(1)	(1)	
	4,4'-Butylidenebis(6-tert-butyl-m-cresol) Monsanto Co.	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29071200 — Condnuod					
	Sodium cresoxide (Cresylic acid, sodium salt) <i>Company nor disclosed</i>	(¹)	(¹)		
	Residual Total	(¹)		(¹)	
290713	Octylphenol, nonylphenol and their isomers; salts thereof		(¹)		
29071300	Octylphenol, nonylphenol and their isomers; salts thereof	(¹)	(¹)		
	Nonylphenol <i>General Electric Co., Plastics Div.</i> <i>Kalama Chemical, Inc.</i> <i>Schenectady International, Inc.</i> <i>Texaco Chemical Co.</i>	87,638	(¹)	(1)	
	Octylphenol <i>PMC Inc., PMC Specialities Group, Inc.</i> <i>Schenectady International, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(¹)	(¹)	(¹)	
290713)0C	HTS Level Residual Total		(1)	(¹)	
290719	Monophenols, noel	(¹)	175,930	341,595	\$ 1.94
29071910	Alkylcresols	(¹)	5,854	20,369	3.48
	2-tert-Butyl-p-cresol <i>PMC Inc., PMC Specialities Group, Inc.</i>	(¹)	(¹)	(¹)	
	2,6-Di-tert-butyl-p-cresol (BHT, or, Butylated hydroxytoluene) <i>Rhone Poulenc, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Uniroyal Chemical Co., Inc.</i>	6,395	(¹)	(¹)	
	2,2'-Methylenebis(6-tert-butyl-p-cresol) <i>Cytec Industries</i>			(1)	
	Residual Total	(¹)	5,854	20,369	3.48
29071920	Alkylphenols	191,162	168,376	306,739	1.82
	Alkylphenol, calcium salt <i>Texaco Chemical Co.</i>	(1)	(¹)	(¹)	
	Alkyl phenols <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Alkylphenols, mixed <i>PMC Inc., PMC Specialities Group, Inc.</i> <i>Schenectady International, Inc.</i>	(1)	(¹)	(¹)	
	p-Amylphenol <i>Company not disclosed</i>	(¹)	(1)	(1)	
	2,2-Bis(4-hydroxyphenyl)propane <i>SpecialtyChem Products Corp.</i>	(1)		(1)	
	o-sec-Butylphenol <i>Schenectady International, Inc.</i>		(¹)	(9)	
	o-tert-Butylphenol <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	p-sec-Butylphenol <i>Schenectady International, Inc.</i>		(¹)	(¹)	
	p-tert-Butylphenol <i>Schenectady International, Inc.</i>	(¹)	(¹)	(¹)	
	Butylphenols, mixed <i>Company not disclosed</i> <i>FMC Corp., Process Additives Div.</i>	(¹)	(¹)	(¹)	
	2,4-Di-tert-butylphenol <i>Ethyl Corp.</i> <i>Schenectady International, Inc.</i>		(¹)	(¹)	
	2,6-Di-tert-butylphenol <i>Schenectady International, Inc.</i>	(1)	(¹)	(¹)	
	2,6-Di-tert-4-sec-butylphenol	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29071920 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Schenectady International, Inc.</i>				
	2,6-Diisopropylphenol <i>Ethyl Corp.</i>		(¹)	(¹)	
	Dinonylphenol <i>Texaco Chemical Co.</i>		(¹)	(¹)	
	2,4-Di-tert-pentylphenol <i>Elf Atochem North America, Inc.</i> <i>Schenectady International, Inc.</i>	(¹)	(¹)	(¹)	
	Dodecyl phenol, sulfated <i>Rhone Poulenc, Inc.</i>	(1)		(1)	
	Dodecylphenol, sulfurized, calcium salt <i>Chevron Corp., Chevron Chemical Co.</i>			(1)	
	5-indanol <i>Morflex, Inc.</i>	(¹)	(¹)	(¹)	
	Isopropylphenol, mixed <i>FMC Corp., Process Additives Div.</i>	(¹)	(¹)	(¹)	
	4-Methyl-2,6-di-tert-butylphenol <i>PMC Inc., PMC Specialities Group, Inc.</i>		(¹)	(¹)	
	2,2'-Methylenebis(6-tert-butyl-4-ethylphenol) <i>Cytec Industries</i>	(1)	(¹)	(¹)	
	4,4-Methylenebis(2,6-di-tert-butylphenol) <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	2,2'-Methylenebis(4-methyl-6-tert-butylphenol) <i>PMC Inc., PMC Specialities Group, Inc.</i>	(¹)	(¹)	(¹)	
	Nonylphenol, barium salt <i>Akcros Chemicals America</i> <i>Ferro Corp., Bedford Chemical Div.</i> <i>Witco Corp.</i>	(¹)	(¹)	(V)	
	p-tert-Pentylphenol <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(V)	
	o-Pentylphenol (o-Amylphenol) <i>Elf Atochem North America, Inc.</i> <i>Schenectady International, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	191,162	168,376	306,739	\$ 1.82
29071950	Unsubstituted monophenols, nesi	(¹)	(¹)	(¹)	
	Carvacrol <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	p-Cumylphenol <i>Schenectady International, Inc.</i>		(1)	(1)	
	o-Phenylphenol <i>Dow Chemical Co.</i>	(¹)	(¹)	(¹)	
	o-Phenylphenol, sodium salt <i>Dow Chemical Co.</i>	(¹)	(¹)	(¹)	
	1,1,3-Tri(2-methyl-4-hydroxy-5-tert-butylphenyl) butane <i>ICI Americas, Inc., Specialty Chemicals Div.</i>		(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
290719XX	HTS Level Residual Total				
290721	Resorcinol and its salts	(¹)	(¹)	(¹)	
29072100	Resorcinol and its salts	(¹)			
	Resorcinol <i>INDSPEC Chemical Corp.</i>	(¹)	(¹)	(VI)	
	Resorcinol, tech, <i>INDSPEC Chemical Corp.</i>	(1)	(1)	(1)	
	Residual Total	(¹)	(1)	(1)	
290722	Hydroquinone (mind) and its salts	(¹)	(¹)	(¹)	
29072210	Hydroquinone (Quinol) and its salts, photographic grade		(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29072210 ---Continued					
	Hydroquinone (Hydroquinol) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(9)	(¹)	(¹)	
	Residual Total	(1)			
29072250	Hydroquinone (Quinol) and its salts, other than photographic grade	(¹)	(¹)	(¹)	
	Catechol <i>Rhone Poulenc, Inc.</i>		(¹)	(¹)	
	Hydroquinone, tech. <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Goodyear Tire & Rubber Co.</i> <i>Rhone Poulenc, Inc.</i>	11,357	6,324	22,980	\$ 3.63
	Residual Total		(¹)		
290723	4,4'-Isopropylidenediphenol (Bisphenol A, Diphenylolpropane) and its salts	469,439	(¹)	(¹)	
29072300	4,4'-Isopropylidenediphenol (Bisphenol A, Diphenylolpropane) and its salts	469,439	(¹)		
	4,4'-Isopropylidenediphenol (Bisphenol A) <i>Aristech Chemical Corp.</i> <i>Dow Chemical Co.</i> <i>General Electric Co., Plastics Div.</i> <i>Shell Oil Co., Shell Chemical Co.</i>	469,439	(¹)		
	Residual Total		(¹)	(¹)	
290723XX	HTS Level Residual Total		(¹)	(¹)	
290729	Polyphenols, nesi	1,250	998	9,650	9.67
29072960	Unsubstituted polyphenols, nesi	1,250	998	9,650	9.67
	tert-Butylhydroquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)		
	2,5-Di-sec-butyldecylhydroquinone <i>Monsanto Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(¹)		
	Di-tert-octyl hydroquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	2- and 5-Methyl resorcinol <i>Wyckoff Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	1,1,1-Tris(p-hydroxyphenyl)ethane <i>Salsbury Chemicals, Inc.</i>	(1)		(¹)	
	Residual Total	1,250	998	9,650	9.67
2907XX	HTS Level Residual Total	(¹)	225,140	250,621	1.11
2908	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	69,463	47,109	91,410	1.94
290810	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts	58,139	38,472	73,147	1.90
29081020	Pentachlorophenol and its salts; and 2,4,5-trichlorophenol and its salts	(¹)	(¹)	(¹)	
	Pentachlorophenol, sodium salt <i>Vulcan Materials Co., Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Residual Total		(1)	(1)	
29081035	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts described in add. U.S. note 3 to sec. VI	(¹)	(¹)		
	4,4'-Isopropylidenebis(2,6-dibromophenol), bis-2,3-dibromopropyl ether <i>Great Lakes Chemical Corp.</i>			(¹)	
	Residual Total				
29081050	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts, nesi			(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29081050 — Continued</i>					
	Tetrabromobisphenol A <i>Ethyl Corp.</i> <i>Great Lakes Chemical Corp.</i>	(¹)		(1)	
	Residual Total	(¹)	(¹)	(¹)	
290810XX	HTS Level Residual Total	58,139	38,472	73,147	\$ 1.90
290820	Derivatives of phenols or phenol-alcohols containing only sulfo groups, their salts and esters	2,248	(1)		
29082020	Derivatives nesi, of phenols or phenol-alcohols cont. only sulfo groups, their salts and esters, described in add. U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	6-Hydroxy-2-naphthalenesulfonic acid, sodium salt <i>Hilton Davis Chemical Co.</i>	(¹)	(¹)	(¹)	
	Residual Total		(1)	(1)	
29082060	HTS Level Residual Total	(¹)	(¹)	(¹)	
	6,7-Dihydroxy-2-naphthalenesulfonic acid <i>C.N. C. International</i>	(¹)	(¹)	(¹)	
	p-Hydroxybenzenesulfonic acid <i>Sloss Industries Corp.</i>	(¹)	(¹)	(¹)	
	Phenolsulfonic acid, sodium salt <i>Salsbury Chemicals, Inc.</i>		(¹)	(¹)	
	Zinc phenolsulfonate <i>Mallinckrodt Chemicals Inc.</i>	(¹)	(¹)	(1)	
	Residual Total	(1)	(1)	(1)	
290820XX	HTS Level Residual Total	2,248		(¹)	
290890	Derivatives of phenols or phenol-alcohols, nesi	(¹)	(¹)	(¹)	
29089008	Nitrophenols, except p-nitrophenol	(¹)	(¹)	(¹)	
	2,4-Dinitrophenol, tech. <i>Sandoz Chemicals Corp. (Mt. Holly)</i>		(1)	(1)	
	p-Nitrophenol <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Picric acid (Trinitrophenol) <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(¹)	(¹)	
	Residual Total	(¹)	(9)	(9)	
29089040	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	n-Octylphenol, ethoxylated and sulfonated, sodium salt <i>Apex Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(9)	(1)	(1)	
29089050	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols, nesi	3,008	(9)	(1)	
	2-Nitro-p-cresol <i>PMC Inc., PMC Specialities Group, Inc.</i>			(¹)	
	p-Nitrophenol, sodium salt <i>E.I. DuPont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(¹)	(¹)	
	p-Nitrosophenol <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(9)	(9)	(¹)	
	4-Nitrosophenol, sodium salt <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(9)	(1)	(1)	
	Residual Total	3,008		(¹)	
2908XX	HTS Level Residual Total		8,637		
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides (whether or not chemically defined), and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)		(¹)	
290911	Diethyl ether	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29091100	Diethyl ether	(1)	(1)	(1)	
	Ethyl ether	(1)		(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Residual Total	(1)	(1)	(1)	
290919	Acyclic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, nest	6,793,322	(1)	(1)	
29091910	Ethers of monohydric alcohols	6,783,218	(1)	(1)	
	Bis(2-chloroethyl)ether (Dichlorodiethyl ether)	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	sec-Butyl ether	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Butyl vinyl ether		(1)	(1)	
	<i>ISP Chemicals, Inc.</i>				
	Carboxylic acid alkoxylates	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Chloromethyl methyl ether	(1)	(1)	(1)	
	<i>Rohm & Haas Co.</i>				
	1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether	(1)	(1)	(1)	
	<i>Anaquest</i>				
	2-Chloro-1,1,2-trifluoroethyl methyl ether	(1)	(1)	(1)	
	<i>Anaquest</i>				
	Desflurane	(1)	(1)	(1)	
	<i>Anaquest</i>				
	2,2-Dichloro-1,1-difluoroethyl methyl ether	(1)	(1)		
	<i>Anaquest</i>				
	2,5-Dihydroperoxy-2,5-dimethylhexane	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dimethyl ether	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	3,7-Dimethyl-1,6-octadien-3-ol, oxide	(1)	(1)	(1)	
	<i>SCM Glidco Organics Corp.</i>				
	Enflurane	(1)	(1)	(1)	
	<i>Anaquest</i>				
	Ethyl t-butyl ether	(1)	(1)	(1)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	Ethyl vinyl ether	(1)	(1)	(1)	
	<i>ISP Chemicals, Inc.</i>				
	Geranyl ethyl ether	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Isopropyl ether	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Methyl-t-butyl ether	6,747,895	5,369,441	1,898,258	\$ 0.35
	<i>AMOCO Chemical Co.</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Citgo Petroleum Corp.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Coastal Corp.</i>				
	<i>Conoco, Inc.</i>				
	<i>Crown Central Petroleum Corp.</i>				
	<i>Diamond Shamrock Refining Co., L.P.</i>				
	<i>EGP Fuels</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Marathon Oil Co.</i>				
	<i>Mobil Oil Corp., Beaumont Refinery Div.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29091910 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Texas Petrochemicals Corp.</i>				
	<i>Valero Refining & Marketing Co.</i>				
	Methyl hexyl ether	(¹)	(¹)	(¹).	
	<i>SCM Glidco Organics Corp.</i>				
	Methyl vinyl ether	(¹)	(1)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	35,323	(¹)	(¹)	
29091950	Ethers of polyhydric alcohols	10,105	(1)	(1)	
	Bis(2-butoxyethyl)ether (Diethylene glycol di-n-butyl ether)		(¹)	(¹)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Bis(2-ethoxyethyl)ether (Diethylene glycol diethyl ether)	(¹)	(¹)	(¹)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Bis(2-(2-methoxyethoxy)ethyl) ether (Tetraethylene glycol dimethyl ether)	(1)	(1)	(1)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Dimethoxyethane (Ethylene glycol dimethyl ether)	(¹)	(¹)	PI	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Ethylene glycol di-tributyl ether	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Ethylene glycol di-triethyl ether	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Isoflurane	(¹)	(¹)	(¹)	
	<i>Ana quest</i>				
	Methylal (Dimethoxymethane)	(1)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Polyethylene glycol dimethyl ether	752	(1)	(¹)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Polyglycerol	(¹)	(¹)	(¹)	
	<i>ChemDesign Corp.</i>				
	Propylene glycol, alkoxyated	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Propylene oxide polymer	(¹)	(¹)	(¹)	
	<i>High Point Chemical Corp.</i>				
	Propylene oxide polymer	(¹)	(¹)		
	Sorbitol, alkoxyated	(¹)	(¹)	PI	
	<i>Company not disclosed</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Residual Total	9,353		(¹)	
290919XX	HTS Level Residual Total		(¹)		
290920	Cyclonic, cyclonic or cycloterpenic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)	(¹)		
29092000	Cyclonic, cyclonic or cycloterpenic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives			(¹)	
	1,1-Di(t-amyperoxy)cyclohexane	(¹)			
	<i>Elf Atochem North America, Inc.</i>				
	Isobornyl methyl ether	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29092000 — Condnuod					
Chemical description/Manufacturer—Continued					
	SCM Glidco Organics Corp.				
	Residual Total	(1)	(1)	(1)	
290930	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29093020	Odoriferous or flavoring compounds of aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, near p-Allylanisole	(1)	(1)	(1)	
	Union Camp Corp., BBA Div.	(1)	(1)	(1)	
	Benzyl isopentyl ether	(1)	(1)	(1)	
	Givaudan Corp.				
	1-IBenzyloxy)-2-methoxy-4-propenylbenzene (Benzyl isoeugenyl ether)	(1)	(1)	(1)	
	Givaudan Corp.				
	2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (Oxyfluorfen)	(1)	(1)	(1)	
	Rohm & Haas Co.				
	Residual Total	(1)	(1)	(1)	
29093030	Pesticides, of aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives	484	506	7,257	\$ 14.33
	a42-12-n-Butoxyethoxy)ethoxyl-4,5-methylenedioxy-2-propyltoluene (Piperonyl butoxide)	(1)	(1)	(1)	
	Alpha Laboratories, Inc.				
	1,4-Dichloro-2,5-dimethoxybenzene (Chloroneb)	(1)	(1)	(1)	
	Kincaid Enterprises, Inc.				
	2-(p-tert-Butylphenoxy)cyclohexyl-2-propynyl sulfite	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Residual Total	484	506	7,257	14.33
29093040	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives described in additional U.S. note 3 to section VI	7,470	(1)	(1)	
	Brominated diphenyl ethers	(1)	(1)	(1)	
	Ethyl Corp.				
	2-Bromo-6-methoxynaphthylene	(1)	(1)	(1)	
	Syntex Agribusiness, Inc.				
	m-Methylanisole	(1)	(1)	(1)	
	Hilton Davis Chemical Co.				
	4-Methyl-2-nitroanisole	(1)	(1)	(1)	
	PMC Inc., PMC Specialities Group, Inc.				
	Octabromodiphenyl oxide	(1)	(1)	(1)	
	Great Lakes Chemical Corp.				
	2,4,6-Tribromophenyl allyl ether	PI	PI	(1)	
	Great Lakes Chemical Corp.				
	Residual Total	7,470	(1)	(1)	
29093050	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, mei Anisole, tech.	(1)	19,469	52,449	2.69
	Kincaid Enterprises, Inc.	(1)	(1)	(1)	
	1,2-Bis (tribromophenoxy)ethane	(1)	V)	(1)	
	Great Lakes Chemical Corp.				
	2-Chloro-1,4-dimethoxybenzene	(1)	(1)	(1)	
	Kincaid Enterprises, Inc.				
	p-Dimethoxybenzene (Dimethyl ether of hydroquinone)	(1)	(1)	(1)	
	SpecialtyChem Products Corp.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29093050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	1,2-Diphenoxyethane ChemDesign Corp. SpecialtyChem Products Corp.	(¹)	(¹)	(¹)	
	Dodecyldiphenyl oxide Sybron Chemicals, Inc.	(¹)	(1)		
	4,4'-Isopropylidenediphenol, ethoxylated Henkel Corp. ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(1)	(1)	
	4,4'-Isopropylidenediphenol, propoxylated Henkel Corp. ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(¹)		
	4-Methoxybenzyl alcohol Synalloy Corp., Blackman Uhler Chemical Div.	(¹)	(1)	(¹)	
	1,2-Methylenedioxybenzene James River Paper Co., Inc.	(¹)	(1)	(1)	
	Pentabromodiphenyl oxide Great Lakes Chemical Corp.	(¹)	(1)	(1)	
	Phenyl ether (Diphenyl oxide) Dow Chemical Co. Monsanto Co.	(¹)	(¹)	(¹)	
	Polyethoxylate/polypropoxylate dibenzyl ether Company not disclosed	(¹)	(¹)	(1)	
	1,2,4,5-Tetrabromo-3,6-bis(pentabromophenoxy) benzene Ethyl Corp.		(1)		
	Residual Total		19,469	52,449	\$ 2.69
290941	2,2'-Oxydiethanol (Diethylene glycol, Digol)	256,320	213,826	73,897	0.35
29094100	2,2'-Oxydiethanol (Diethylene glycol, Digol)	256,320	213,826	73,897	0.35
	Diethylene glycol BASF Corp. (Parsippany, NJ) Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div. Hoechst Celanese Corp., Chemical Group, Inc. Hoechst Celanese Corp., Fibers Industrial Div. Oxy Petrochemicals, Inc. P D Glycol Quantum Chemical Corp., US/ Div. Shell Oil Co., Shell Chemical Co. Texaco Chemical Co. Union Carbide Corp., Industrial Chemicals Div. Witco Corp.	256,320	213,826	73,897	0.35
290942	Monomethyl ethers of ethylene glycol or of diethylene glycol	(¹)	(¹)		
29094200	Monomethyl ethers of ethylene glycol or of diethylene glycol	(¹)	(¹)	(¹)	
	2-Methoxyethanol (Ethylene glycol monomethyl ether) Olin Corp. Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)	(¹)	
	2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether) Dow Chemical Co. Olin Corp. Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	(¹)	32,836	30,175	0.92
	Residual Total	(¹)	(¹)	(¹)	
290942XX	HIS Level Residual Total				

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290943	Monoethyl ethers of ethylene glycol or of diethylene glycol	(¹)	209,036	135,929	\$ 0.65
29094300	Monoethyl ethers of ethylene glycol or of diethylene glycol	(¹)	209,036	135,929	0.65
	2-Butoxyethanol (Ethylene glycol monoethyl ether)	188,813	165,994	91,179	0.55
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Olin Corp.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Butoxyethoxy)ethanol (Diethylene glycol monoethyl ether)	(¹)	43,042	44,750	1.04
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(¹)			
290944	Monoethyl (except monomethyl) ethers of ethylene glycol or of diethylene glycol	77,117	(1)	(1)	
29094400	Monoethyl (except monomethyl) ethers of ethylene glycol or of diethylene glycol	77,117	(1)	(1)	
	2-Ethoxyethanol (Ethylene glycol monoethyl ether)	(¹)		(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Ethoxyethoxy)ethanol (Diethylene glycol monoethyl ether)	16,997	16,498	19,039	1.15
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Olin Corp.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-12-(Hexyloxy)ethoxy]ethanol	(1)	(1)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Propoxyethanol (Ethylene glycol monopropyl ether)	(¹)	(¹)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Residual Total	60,120	(1)	(1)	
290949	Ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(¹)	(¹)	(¹)	
29094910	Aromatic ether-alcohols, their halogenated, sulfonated, nitrated or nitrosated derivatives described in additional US note 3 to section VI	(¹)	(¹)	(¹)	
	Dibenzylglycerol	(¹)		(¹)	
	<i>Dixie Chemical Co., Inc.</i>				
	p-Methoxybenzyl alcohol (Anisyl alcohol)	(¹)		(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	2-Methoxy-4-propenylphenol (Isoeugenol)	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	2-Methoxy-4-propylphenol	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	Residual Total	(1)	(1)		
29094915	Aromatic ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi		(¹)	(¹)	
	Hydroquinone, di(\$-hydroxyethyl) ether	(¹)	(¹)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total		(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29094920	Nonaromatic glycerol ethers	4,225	2,063	3,355	\$ 1.63
	1,3-Butylene glycol, ethoxylated <i>Hoechst Celanese Corp., Sou Tex Works</i>	(¹)	(I)	(¹)	
	Decaglycerol <i>Karlshamns, USA</i>	(¹)	(¹)	(¹)	
	Decaglycerol hexaoleate <i>Lonza, Inc.</i>	(¹)	(I)	(¹)	
	Glycerine, ethoxylated <i>High Point Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Hexaglycerol <i>Karlshamns, USA</i>	(I)	(¹)	(¹)	
	Polypropylene glycol glycerol triether (Polypropoxyglyceryl triether) <i>Olin Corp.</i> <i>PPG Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(I)	(¹)	(¹)	
	Residual Total	4,225	2,063	3,355	1.63
29094950	Nonaromatic ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	579,484	336,011	410,031	1.22
	Bis(2-methoxyethyl)ether (Diethylene glycol dimethyl ether) <i>Ferro Corp., Grant Chemical Div.</i>	(I)	(I)	(¹)	
	2-(2-(2-Butoxyethoxy)ethoxy)ethanol (Triethylene glycol monobutyl ether) <i>Dow Chemical Co.</i> <i>Oxy Petrochemicals, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	16,310	(¹)	(¹)	
	Cetyl alcohol, propoxylated <i>Croda, Inc.</i>	(¹)			
	Decyl alcohol, ethoxylated <i>BASF Corp. (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i> <i>Grant Industries, Inc.</i> <i>Henkel Corp.</i> <i>High Point Chemical Corp.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Decyloxypoly(ethyleneoxy)ethyl chloride <i>Rhone Poulenc, Inc.</i>	(I)	(I)	(¹)	
	Diethylene glycol mono-n-propyl ether <i>Eastman Kodak Co., Texas Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	Dipropylene glycol <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>Dow Chemical Co.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Olin Corp.</i> <i>Phillips 66 Co.</i> <i>Texaco Chemical Co.</i>	(¹)	35,081	27,983	0.80
	Dipropylene glycol dimethyl ether <i>Ferro Corp., Grant Chemical Div.</i>	(I)		(I)	
	Dipropylene glycol monomethyl ether, (3-(3-Methoxypropoxy)propanol) <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>Olin Corp.</i>	(¹)	(¹)	(¹)	
	Dodecyl alcohol, ethoxylated <i>Company not disclosed</i> <i>High Point Chemical Corp.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i>	1,669		(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29094950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. Milliken & Co., Milliken Chemical Div. Witco Corp.</i>				
	2-12-(2-Ethoxyethoxyethoxy)ethanol (Triethylene glycol monoethyl ether)	(¹)	(1)	(1)	
	<i>Olin Corp. Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.</i>				
	Ethylene glycol di-tri-propyl ether	(¹)	(¹)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div..</i>				
	2-Ethylhexanol, ethoxylated and propoxylated		(1)	(¹)	
	<i>High Point Chemical Corp.</i>				
	Glycerine, ethoxylated and propoxylated	(¹)	(¹)	(¹)	
	<i>High Point Chemical Corp.</i>				
	Glycerol, ethoxylated	89	85	190	\$ 2.23
	<i>Ca/gene Chemical, Inc. High Point Chemical Corp. Rhône Poulenc, Inc.</i>				
	Hexadecyl alcohol, ethoxylated	396	418	1,204	2.88
	<i>ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. Rhône Poulenc, Inc.</i>				
	Hexadecyl alcohol, propoxylated	(¹)	(¹)	(¹)	
	<i>PPG Industries, Inc.</i>				
	N-Hexyl alcohol, ethoxylated	(¹)	(¹)	(¹)	
	<i>Rhône Poulenc, Inc.</i>				
	Isodecyl alcohol, ethoxylated	1,570	1,589	2,036	1.28
	<i>Ethox Chemicals, Inc. PPG Industries, Inc. Rhône Poulenc, Inc. Witco Corp.</i>				
	Isodecyl alcohol, ethoxylated and propoxylated	(¹)	(¹)	(¹)	
	<i>High Point Chemical Corp. Rhône Poulenc, Inc.</i>				
	Iso-octyl alcohol, ethoxylated	(1)	(¹)	(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	Lignin, ethoxylated	(¹)	(¹)	(¹)	
	<i>Westvaco Corp.</i>				
	2-(2-(2-Methoxyethoxy)ethoxy)ethanol (Triethylene glycol monomethyl ether)	(¹)	(¹)	(¹)	
	<i>Dow Chemical Co. Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Methoxyethoxy)ethyl-1-2-methoxyethyl ether (Triethylene glycol dimethyl ether)	(¹)	(1)	(1)	
	<i>Ferro Corp., Grant Chemical Div. Olin Corp.</i>				
	Methoxypolyethylene glycol		(1)	(1)	
	<i>PPG Industries, Inc. Rhône Poulenc, Inc. Union Carbide Corp., Industrial Chemicals Div.</i>				
	Myristyl alcohol, propoxylated	(¹)	(1)	(1)	
	<i>Witco Corp.</i>				
	9-Octadecenyl alcohol, ethoxylated		658	1,996	3.03
	<i>Ethox Chemicals, Inc. High Point Chemical Corp. ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3-1 --- Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094950 —Continued					
Chemical description/Manufacturer—Continued					
	Rhone Poulenc, Inc. Sandoz Chemicals Corp. (Martin Plant) Witco Corp.	1,694	1,632	3,494	2.14
	Octadecyl alcohol, ethoxylated Calgene Chemical, Inc. Heterene Chemical Corp. ICI Americas, Inc., Specialty Chemicals Div. Karlshamns, USA Rhone Poulenc, Inc.	(¹)	(¹)	(¹)	
	Oleyl alcohol, ethoxylated Grant Industries, Inc. Henkel Corp. Hoechst Celanese Corp., Sou Tex Works PPG Industries, Inc.	(¹)	(¹)	(¹)	
	Oleyl alcohol, propoxylated BASF Corp, (Parsippany, NJ)			(¹)	
	Polyether polyols based on propylene oxide, all other Eastman Kodak Co., Texas Eastman Co. Div. Texaco Chemical Co.			(¹)	
	Polyethylene glycol Abbott Laboratories BASF Corp, (Parsippany, NJ) Calgene Chemical, Inc. Company not disclosed Dow Chemical Co. Harcros Chemicals, Inc. Henkel Corp. High Point Chemical Corp. Olin Corp. PPG Industries, Inc. Union Carbide Corp., Industrial Chemicals Div.	145,731	73,679	95,115	1.29
	Polyhydric alcohol ethers, all other Company not disclosed E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Rhone Poulenc, Inc.	(¹)	(¹)	(¹)	
	Polyoxyalkylene glycol Olin Corp.	(¹)	(¹)		
	Polyoxypropylene polyoxyethylene glycol, mixed Hoechst Celanese Corp., Sou Tex Works Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)	(¹)	
	Polypropylene glycol BASF Corp, (Parsippany, NJ) Calgene Chemical, Inc. Company not disclosed Company not disclosed Dow Chemical Co. High Point Chemical Corp. PPG Industries, Inc. Rhone Poulenc, Inc. Texaco Chemical Co.	16,141	11,318	20,116	1.78
	Polypropylene glycol butyl ether, ethoxylated (Polypropoxy butyl ether, ethoxylated) BASF Corp, (Parsippany, NJ) PPG Industries, Inc.	(¹)	(¹)		
	Polypropylene glycol butyl ether (Polypropoxy butyl ether) PPG Industries, Inc.		(¹)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29094950 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Polytetramethylene glycol ether BASF Corp, (Parsippany, NJ) QO Chemicals, Inc.	(9)		(1)	
	Propylene glycol t-butyl ether Atlantic Richfield Co., ARCO Chemical Co. Company not disclosed	(1)	(1)	(9)	
	Propylene glycol ethers (and propylene glycols), all other Dow Chemical Co.	(1)	(1)	(1)	
	Propylene glycol monobutyl ether Olin Corp.	(9)	(1)		
	Propylene glycol monomethyl ether (1-Methoxy-2- propanol) Atlantic Richfield Co., ARCO Chemical Co. Olin Corp.	(1)		(1)	
	Sorbitol, ethoxylated Company not disclosed PPG Industries, Inc.	(1)		(1)	
	Stearyl alcohol, propoxylated Karlshamns, USA Witco Corp.	(1)	(1)	(1)	
	Tetraethylene glycol Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div. Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	6,041	8,749	8,936	\$ 1.02
	2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated Harcros Chemicals, Inc.	(1)	(1)		
	Tetra/penta glycols, mixed Chemical Exchange Industries, Inc.	(1)	(1)	(1)	
	Thiodiglycol ethoxylated Rhone Poulenc, Inc.	(1)	(1)		
	Tridecyl alcohol, ethoxylated Company not disclosed E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Ethox Chemicals, Inc. Exxon Chemical Americas Grant Industries, Inc. Harcros Chemicals, Inc. High Point Chemical Corp. Hoechst Celanese Corp., Sou Tex Works Ica Americas, Inc., Specialty Chemicals Div. Lonza, Inc. Milliken & Co., Milliken Chemical Div. PPG Industries, Inc. Rhone Poulenc, Inc. Sandoz Chemicals Corp. (Martin Plant) Witco Corp.	4,110	3,080	5,499	1.79
	Tridecyl alcohol, propoxylated and ethoxylated Ethox Chemicals, Inc. Heterene Chemical Corp.		(1)	(9)	
	Triethylene glycol Chemical Exchange Industries, Inc. Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div. Hoechst Celanese Corp., Chemical Group, Inc. Oxy Petrochemicals, Inc. P D Glycol	48,984	51,717	31,276	0.60

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Phillips 66 Co.				
	Shell Oil Co., Shell Chemical Co.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Trimethylheptanol, ethoxylated	(1)	(1)	(1)	
	Texaco Chemical Co.				
	Trimethylnonyl alcohol, ethoxylated		(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Trimethylolpropane, alkoxyated	(1)	(1)	(1)	
	Ethox Chemicals, Inc.				
	Henkel Corp.				
	Rhone Poulenc, Inc.				
	Witco Corp.				
	Tripropylene glycol	(1)	(1)	(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Company not disclosed				
	Dow Chemical Co.				
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Tripropylene glycol monomethyl ether (34343-Methoxypropoxypropoxy)propanol)	(1)		(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Olin Corp.				
	Residual Total	336,749	146,993	201,771	\$ 1.37
290949XX	HTS Level Residual Total	(1)	(1)	(1)	
290950	Ether-phenols, ether-alcohol-phenols and their halogenated, sulfonated, nitrated or nitrosated derivatives	250,029	(1)	(1)	
	m-Phenoxytoluene	(1)	(1)	(1)	
	Merichem Co.				
	Residual Total	(1)		(1)	
29095020	Guaiacol and its derivatives	(1)		(1)	
	Guaiacol	(1)	(1)	(1)	
	Arenol Chemical Corp.				
	Guaiacol	(1)		(1)	
	Rhone Poulenc, Inc.				
	Residual Total	(1)	(1)	(1)	
29095040	Odoriferous or flavoring compounds of ether-phenols and -alcohol-phenols, their halogenated, sulfonated, nitrated, nitrosated derivatives	1,477	(1)	(1)	
	4-Allyl-2-methoxyphenol (Eugenol)	3	(1)	(1)	
	Elan Chemical Co.				
	Firmenich, Inc.				
	Fragrance Resources, Inc.				
	Givaudan Corp.				
	Butyl alcohol, ethoxylated and phosphated	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	1,1-Dimethoxy octane	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	1,2-Dimethoxy-4-propenylbenzene (4-Propenylveratrole)	(1)	(1)	(1)	
	Firmenich, Inc.				
	Nonylphenol, ethoxylated and sulfated, sodium salt		(1)	(1)	
	Henkel Corp.				
	Rhone Poulenc, Inc.				
	Witco Corp.				
	p-Propenylanisole (Anethole)	1,231	1,022	6,541	6.40
	Arizona Chemical Co.				
	SCM Glidco Organics Corp.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29095040 —Continued					
Chemical description/Manufacturer—Continued					
	Union Camp Corp., BBA Div. p-Propylanisol (Dihydroanethole) Givaudan Corp. SCM Glidco Organics Corp.	(¹)		(¹)	
	Residual Total	243	(¹)	(¹)	
29095045	Ether-phenols, ether-alcohol-phenols & their halogenated, sulfonated, nitrated, nitrosated derivatives, in add. U.S. note 3 to sec. VI				
	3-Chloropropyl-2,5-xylol ether Parke Davis Div. of Warner Lambert, Inc.	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29095050	Ether-phenols, ether-alcohol-phenols and their halogenated, sulfonated, nitrated or nitrosated derivatives, mei	247,341	241,101	327,682	\$ 1.36
	2 and 31-tert-Butyl-4-methoxyphenol (Butylated hydroxyanisole, or, BHA) Eastman Kodak Co., Tennessee Eastman Co. Div. UOP, Inc.	(¹)	(¹)	(¹)	
	Bisphenol A, ethoxylated and propoxylated PPG Industries, Inc.		(¹)	(¹)	
	Bisphenol-A, propoxylated High Point Chemical Corp.	(¹)	(¹)	(¹)	
	Bisphenol a, ethoxylated PPG Industries, Inc. Rhone Poulenc, Inc.	(¹)	(¹)	(¹)	
	p-Bromoanisole Diaz Chemical Corp.	(¹)	(¹)	(¹)	
	3-(2-Chloro-4-trifluoromethylphenoxy)toluene Company not disclosed	(¹)	(¹)	(¹)	
	Cresol, ethoxylated PPG Industries, Inc.	(¹)	(¹)	(¹)	
	Cresol, propoxylated PPG Industries, Inc.	(¹)	(¹)	(¹)	
	Dinonylphenol, ethoxylated Company not disclosed Ethox Chemicals, Inc. Grant Industries, Inc. Heterene Chemical Corp. PPG Industries, Inc. Rhone Poulenc, Inc. Sandoz Chemicals Corp. (Martin Plant)	1,111	1,110	2,488	2.24
	Dodecylphenol, ethoxylated Ethox Chemicals, Inc. Harcros Chemicals, Inc. Henkel Corp. High Point Chemical Corp. Rhone Poulenc, Inc. Witco Corp.	3,466	2,584	4,743	1.84
	Epichlorohydrin bisphenol A, ethoxylated Company not disclosed	(¹)	(¹)	(¹)	
	Furfuryl alcohol, ethoxylated Karlshams, USA		(¹)	(¹)	
	Guaifenesin B.I. Chemicals, Inc.	(¹)	(¹)	(¹)	
	Iso-octylphenol, ethoxylated BASF Corp. (Parsippany, NJ) PPG Industries, Inc. Rhone Poulenc, Inc.	2,578	3,793	8,876	2.34

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29095050 —Continued					
Chemical description/Manufacturer—Continued					
	Rohm & Haas Co.				
	4-Methoxyphenol	(¹)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>SpecialtyChem Products Corp.</i>				
	Nonylphenol, ethoxylated	225,367	223,637	272,938	\$ 1.22
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Calgene Chemical, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Heterene Chemical Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Olin Corp.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Stepan Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Witco Corp.</i>				
	Nonylphenol, ethoxylated and propoxylated	1,785	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Nonylphenol, propoxylated	(1)	(¹)	(¹)	
	<i>Witco Corp.</i>				
	n-Octylphenol, ethoxylated	912	511	1,032	2.02
	<i>Harcros Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Witco Corp.</i>				
	Phenol, ethoxylated	781	264	696	2.64
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	p-Phenylphenol, ethoxylated and propoxylated	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Phenylstyrene, ethoxylated		(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Tridecylphenol, ethoxylated	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Xylenol, ethoxylated	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29095050 —Contimod					
	Residual Total	11,342	9,202	36,909	\$ 4.01
290950XX	HTS Level Residual Total	1,212	(¹)		
290960	Alcohol peroxides, ether peroxides, ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)	(¹)		
29096020	Aromatic alcohol peroxides, ether peroxides, ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(¹)	(¹)	(¹)	
	Bis(a,o-dimethylbenzyl)peroxide	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.			(1)	
	Cumene hydrogen peroxide				
	Aristech Chemical Corp.				
	Cumene hydroperoxide	350	264	571	2.16
	BTL Specialty Resin Corp.				
	Elf Atochem North America, Inc.				
	Witco Corp.				
	Dicumyl peroxide	(¹)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Succinyl peroxide	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Residual Total	(1)		(¹)	
29096050	Nonaromatic alcohol, ether and ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives	37,896	21,729	83,343	3.84
	Acyclic peroxides, all other	(¹)		(¹)	
	Elf Atochem North America, Inc.				
	tert-Amyl hydroperoxide	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Witco Corp.				
	2-Butanone peroxide (MEK peroxide)	5,107	3,743	21,783	5.82
	Akzo Chemicals, Inc.				
	Elf Atochem North America, Inc.				
	Norac Co., Inc.				
	Witco Corp.				
	tert-Butyl hydroperoxide	(1)		(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Elf Atochem North America, Inc.				
	Witco Corp.				
	tert-Butyl peroxide IDi-tert-butyl peroxide)	(¹)			
	Elf Atochem North America, Inc.				
	Witco Corp.				
	tert-Butyl peroxyneohexanoate	(¹)	(¹)		
	Elf Atochem North America, Inc.				
	Diisononanoyl peroxide	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane	(1)	(1)	(1)	
	Aztec Catalyst Co.				
	Elf Atochem North America, Inc.				
	2,5-Dimethyl-2,5-di(tert-butylperoxy)hexyne-3		(1)	(1)	
	Aztec Catalyst Co.				
	Elf Atochem North America, Inc.				
	1,1-Di(t-butyl peroxy) cyclohexane	(1)	(1)		
	Elf Atochem North America, Inc.				
	1,1-Di(t-butyl peroxy)-3,3,5-trimethyl cyclohexane	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Hexylene glycol hydroperoxide	(1)	(¹)	(¹)	
	Elf Atochem North America, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification / chemical description / manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29096050 — Continued					
	p-Menthane hydroperoxide <i>SCM Glidco Organics Corp.</i>			(¹)	
	Pinane hydroperoxide <i>SCM Glidco Organics Corp.</i>	(1)	(1)	(1)	
	a-Pinene oxide <i>SCM Glidco Organics Corp.</i>	(1)	(¹)	(¹)	
	Residual Total	32,789	17,986	61,560	\$ 3.42
2910	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)	(¹)	(¹)	
291010	Oxirane (Ethylene oxide)	2,417,537	248,492	210,720	0.85
29101000	Oxirane (Ethylene oxide)	2,417,537	248,492	210,720	0.85
	Ethylene oxide <i>BASF Corp, (Parsippany, NJ)</i> <i>Dow Chemical Co.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i> <i>Olin Corp.</i> <i>Oxy Petrochemicals, Inc.</i> <i>Quantum Chemical Corp., US/ Div.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Sun Co., Inc.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	2,417,537	248,492	210,720	0.85
291020	Methyloxirane (Propylene oxide)	(¹)	(¹)	I ¹)	
29102000	Methyloxirane (Propylene oxide)	(¹)	(¹)		
	Propylene oxide <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>Dow Chemical Co.</i>	(¹)	(¹)		
	Residual Total	(1)	(¹)	(¹)	
291030	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	(¹)	(¹)	(¹)	
29103000	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	(¹)	(¹)	(¹)	
	Epichlorohydrin <i>Dow Chemical Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i>	(¹)	(¹)		
	Residual Total	(¹)	(¹)	(¹)	
291090	Epoxides, epoxyalcohol, epoxyphenols and epoxyshenols and epoxyethers with a three-membered ring, and their derivatives, nesi	(¹)		(¹)	
29109010	Butylene oxide	(¹)	(¹)	(¹)	
	Butylene oxide <i>Dow Chemical Co.</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(¹)	(¹)	
29109020	Aromatic epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring and their derivatives nesi	9,042	18,092	45,241	2.50
	Bisphenol epichlorohydrin <i>BASF Corp, (Parsippany, NJ)</i>	(1)	(¹)	(¹)	
	tert-Butylphenyl glycidyl ether <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Cresyl glycidyl ether <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Cyclohexane dimethanol glycidyl ether <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Dodecyldiphenyloxidedisulfonic acid <i>Company not disclosed</i>	(¹)		(¹)	
	Dodecyldiphenyloxidedisulfonic acid, disodium salt	(¹)	(¹)		

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29109020 —font hued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Pilot Chemical Co.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1,2-Epoxy-3-phenoxypropane (Glycidyl phenyl ether)	(¹)	(¹)	(¹)	
	<i>Monsanto Co., Agricultural Group</i>				
	Galaxolide (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethyl-cyclopenta-γ-2-benzopyran)	(¹)	(1)	(1)	
	<i>International Flavors & fragrances, Inc.</i>				
	Nonylphenol glycidyl ether	(¹)	(¹)	(¹)	
	<i>Dixie Chemical Co., Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Nonylphenoxypoly(ethyleneoxy)ethyl iodide	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Styrene oxide	(¹)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	9,042	18,092	45,241	\$ 2.50
29109050	Nonaromatic epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring and their derivatives nesi	6,325	4,949	20,790	4.20
	Alkyl glycidyl ether, C ₁₂ -C ₁₄ and C ₁₂ -C ₁₆		(¹)		
(¹)	<i>Rhone Poulenc, Inc.</i>				
	1-(Allyloxy)-2,3-epoxypropane glycidyl ether	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1-Butoxy-2,3-epoxypropane (Butyl glycidyl ether)	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Company not disclosed</i>				
	tert-Butyl glycidyl ether	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	Castor oil triglycidyl ether	(¹)		(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	α-Cedrene epoxide (Andrane)	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>				
	Cineole Ieucalyptoll	(1)		(1)	
	<i>SCM Glidco Organics Corp.</i>				
	Cyclohexene oxide	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Epoxides, ethers, acetals, all other	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>ISP Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Glycidol (2,3-Epoxy-1-propanol)	(¹)	(¹)	(¹)	
	<i>Dixie Chemical Co., Inc.</i>				
	Glycidyl ethers, all other		(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Isolongifolene epoxide	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Neopentyl glycol diglycidyl ether	(¹)	(1)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	α-Pinene oxide	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	Sorbitol glycidyl ether	(¹)	(¹)		
	<i>Dixie Chemical Co., Inc.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29109050 —Continued					
	Residual Total	6,325	4,949	20,790	\$ 4.20
2910XX	HTS Level Residual Total	(1)	143,972	131,779	0.92
2911	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
291100	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29110000	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
	Citral dimethyl acetal	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Hydratropaldehyde,dimethyl acetal	(1)		(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Ivermectin	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Methyl nonylacetaldehyde dimethyl acetal	(1)	(1)		
	<i>Firmenich, Inc.</i>				
	Phenylacetaldehyde,dimethyl acetal	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Firmenich, Inc.</i>				
	<i>Givaudan Corp.</i>				
	1,1 ,3,3-Tetramethoxypropane	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthoacetate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthoformate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthopropionate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Trimethyl benzyl dioxane	(1)		(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Trimethyl orthoacetate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Trimethyl orthoformate		(1)	(1)	
	<i>Huls America, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
2912	Aldehydes, whether or not with other oxygen function; cyclic polymers of aldehydes; paraformaldehyde	(1)		(1)	
291211	Methanol (Formaldehyde)	3,713,887	1,189,548	134,134	0.11
29121100	Methanol (Formaldehyde)	3,713,887	1,189,548	134,134	0.11
	Formaldehyde 137% HCHO by Weight)	3,713,887	1,189,548	134,134	0.11
	<i>Air Resources, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware, L.P.</i>				
	<i>Borden, Inc., Packaging & Industrial Products Div.</i>				
	<i>Degussa Corp.</i>				
	<i>Dyno Polymers</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Georgia Pacific Corp., Resins Inc.</i>				
	<i>Hercules, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>ISP Chemicals, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Neste Resins Corp.</i>				
	<i>Perstorp Polyols, Inc.</i>				
	<i>Trimet Technical Products, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29121100 —Continued					
Chemical description/Manufacturer—Continued					
	Witco Corp.				
	Wright Chemical Corp.				
291212	Ethanol (Acetaldehyde)	(1)	(1)	(1)	
29121200	Ethanal (Acetaldehyde)	(1)	(1)	(1)	
	Acetaldehyde	(1)	(1)	(1)	
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total	(1)	(1)	(1)	
291213	Butanal (Butyraldehyde, normal isomer)	891,742	34,293	16,607	\$ 0.48
29121300	Butanal (Butyraldehyde, normal isomer)	891,742	34,293	16,607	0.48
	Butyraldehyde	891,742	34,293	16,607	0.48
	BASF Corp. (Parsippany, NJ)				
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
291219	Acyclic aldehydes without other oxygen function, nesi	(1)	(1)	(1)	
29121910	Citral	(1)	674	4,165	6.18
	3,7-Dimethyl-trans-2,6-octadienal (Citral A geranial)	(1)	(1)	(1)	
	Fragrance Resources, Inc.				
	Union Camp Corp., BBA Div.				
	3,7-Dimethyl-2,6-octadienal (citral a b)	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	3,7-Dimethyl-cis-2,6-octadienal (Citral B) (NaraI)	(1)	(1)	(1)	
	Union Camp Corp., BBA Div.				
	Residual Total	(1)	674	4,165	6.18
29121920	Odoriferous or flavoring compounds of acyclic aldehydes without other oxygen function, nesi	(1)	(1)	(1)	
	Decanal (Capraldehyde)	(1)	(1)	(1)	
	Firmenich, Inc.				
	Dimethyloctanal	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	3,7-Dimethyl-6-octen-1-al (Citronellal)	(1)	(1)	(1)	
	Givaudan Corp.				
	SCM Glidco Organics Corp.				
	N-hexanal	(1)	(1)	(1)	
	Firmenich, Inc.				
	2-Methylundecanal	(1)	(1)	(1)	
	Firmenich, Inc.				
	Octanal	(1)	(1)	(1)	
	Firmenich, Inc.				
	3,5,5-Trimethyl hexanal	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Undecanal	(1)	(1)	(9)	
	Firmenich, Inc.				
	Givaudan Corp.				
	International Flavors & Fragrances, Inc.				
	Valeraldehyde (Pentanal)	(1)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total	(1)	(1)	(1)	
29121930	Glyoxal	(1)	(1)	(1)	
	Glyoxal	(1)	(1)	(1)	
	BASF Corp. (Parsippany, NJ)				
	Residual Total	(1)	(1)	(1)	
29121940	Isobutanol	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29121940 —Continued					
	Isobutyraldehyde <i>BASF Corp, (Parsippany, NJ)</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29121950	Acyclic aldehydes without other oxygen function, nest	222,329	(1)	(1)	
	Acrolein (Acrylaldehyde) <i>Degussa Corp.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Aldehydes, acyclic, all other <i>Company not disclosed</i> <i>Rhone Poulenc, Inc.</i> <i>SpecialtyChem Products Corp.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Crotonaldehyde <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Ethylacrolein <i>ChemDesign Corp.</i>	(1)	(1)	(1)	
	2-Ethylhexanal (a-Ethylcaproaldehyde) <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Glutaraldehyde <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	2-Methylene undecanal <i>Company not disclosed</i>	(1)	(1)	(1)	
	Nonanal <i>Firmenich, Inc.</i>	(1)	(1)	(1)	
	Propionaldehyde <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	222,329		(1)	
291219XX	HTS Level Residual Total	(1)	(1)	(1)	
291221	Benzaldehyde	(1)	(1)	(1)	
29122100	Benzaldehyde	(1)	(1)	(1)	
	Benzaldehyde, tech. <i>Firmenich, Inc.</i> <i>Kalama Chemical, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
291229	Cyclic aldehydes without other oxygen functions, nesi	(1)	(1)	(1)	
29122910	Phenylacetaldehyde	(1)	(1)	(1)	
	Phenylacetaldehyde <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29122950	Cyclic aldehydes without other oxygen function, other than benzaldehyde and phenylacetaldehyde	4,560	4,028	29,423	\$ 7.31
	Benzaldehyde glyceryl acetal <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	p-tert-Butyl-a-methylhydrocinnamalehyde <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	Campholenic aldehyde <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	a-Campholenic aldehyde <i>SCM Glidco Organics Corp.</i>	(1)	(1)	(1)	
	Cinnamaldehyde	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29122950 — Continued					
Chemical description/Manufacturer—Continued					
	<i>Elan Chemical Co.</i>				
	<i>Kalama Chemical, Inc.</i>				
	a-Hexylcinnamaldehyde	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>Kalama Chemical, Inc.</i>				
	Isohexenyl tetrahydrobenzaldehyde (Myrac aldehyde)		(¹)		
	<i>International Flavors & Fragrances, Inc.</i>				
	N-(3-Isopropylphenyl)-2-methylpropylidene anthranilic acid, methyl ester	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	a-Pentylcinnamaldehyde	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	Residual Total	4,560	4,028	29,423	\$ 7.31
291230	Aldehyde-alcohols	(¹)	294	4,936	16.81
29123020	Hydroxycitronellal	(¹)	(¹)		
	7-Hydroxy-3,7-dimethyl-1-octanal (Hydroxycitronellal)	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29123050	Nonaromatic aldehyde-alcohols, other than hydroxycitronellal	(¹)	(¹)	(¹)	
	1-Acetoxy-2-sec-butyl-1-ethenylcyclohexane	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	5-Acetyl-1,1,2,3,3,6-hexamethylindan (Phantolid)	(¹)	(¹)		
	<i>SCM Glidco Organics Corp.</i>				
	4-Allyl-1,2-dimethoxybenzene (4-Allylveratrole)		(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-10-carboxaldehyde (Lyral)	(¹)	(¹)		
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291230XX	HTS Level Residual Total	(¹)	294	4,936	16.81
291241	Vanillin (4-Hydroxy-3-methoxybenzaldehyde)	(¹)	(¹)	(¹)	
29124100	Vanillin (4-Hydroxy-3-methoxybenzaldehyde)	(¹)	(¹)	(¹)	
	4-Hydroxy-3-methoxybenzaldehyde [Vanillin]		(¹)	(¹)	
	<i>Rayonier, Mc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291242	Ethylvanillin (3-Ethoxy-4-hydroxy-benzaldehyde)	(¹)	(¹)	(¹)	
29124200	Ethylvanillin (3-Ethoxy-4-hydroxy-benzaldehyde)	(¹)	(¹)	(¹)	
	4-Hydroxy-3-ethoxybenzaldehyde (Ethylvanillin)	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total			(¹)	
291249	Aldehyde-ethers, aldehyde-phenols and aldehydes with other oxygen functions, nesi	(¹)	(¹)		
29124920	Aromatic aldehyde-ethers, aldehyde-phenols and aldehydes with other oxygen function, nesi	(¹)	(¹)	(¹)	
	i-Butylaldehyde trimer	(¹)		19	
	<i>Company not disclosed</i>				
	o-Methoxy benzaldehyde			19	
	<i>Firmenich, Inc.</i>				
	Methoxyhydrotropaldehyde	(¹)	(¹)		
	<i>Firmenich, Inc.</i>				
	Veratraldehyde (3,4-Dimethoxybenzaldehyde)	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29124920 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Givaudan Corp.</i>				
	Residual Total	(1)	(1)	(1)	
291260	Paraformaldehyde	(1)	(1)	(1)	
29126000	Paraformaldehyde	(1)	(1)	(1)	
	Paraformaldehyde	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
2912XX	HTS Level Residual Total	(1)	(1)	(1)	
2913	Halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(1)	(1)		
291300	Halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(1)	(1)	(1)	
29130050	Nonaromatic halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(1)	(1)	(1)	
	Glutaraldehyde bis(sodium bisulfite)	(1)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Phosgene (Carbonyl chloride)	(1)	(1)	(1)	
	<i>Olin Corp.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>VanDemark Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)		
2914	Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated, or nitrosated derivatives	2,008,950	(1)	(1)	
291411	Acetone	1,102,426	856,916	246,652	\$ 0.29
29141110	Acetone, derived in whole or in part from cumene	1,102,426	856,916	246,652	0.29
	Acetone	1,102,426	856,916	246,652	0.29
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BTL Specialty Resin Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>Georgia Gulf Corp., Houston Div.</i>				
	<i>Georgia Gulf Corp., Plaquemine Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291412	Butanone (Methyl ethyl ketone)	244,499	275,880	138,865	0.50
29141200	Butanone (Methyl ethyl ketone)	244,499	275,880	138,865	0.50
	Methyl ethyl ketone	244,499	275,880	138,865	0.50
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291413	4-Methylpentan-2-one (Methyl isobutyl ketone)	(1)	(1)	(1)	
29141300	4-Methylpentan-2-one (Methyl isobutyl ketone)	(1)	(1)	(1)	
	Diisopropyl ketone (2,4-Dimethyl-3-pentanone)	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Isovalerone (Diisobutyl ketone)	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Witco Corp.</i>				
	Ketones, all other	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Methyl isobutyl ketone	68,060	73,551	66,444	0.90
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29141300 —Continued					
Chemical description/Manufacturer—Continued					
Union Carbide Corp., Industrial Chemicals Div.					
	Residual Total	(¹)	(¹)		
291419	Acyclic ketones without other oxygen function, nest	(¹)	(¹)	(¹)	
29141900	Acyclic ketones without other oxygen function, nest	(¹)	19	(¹)	
	(2-Cyclopenten-1-y11-2-propanone <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(¹)	(¹)	(¹)	
	2,4-Dichlorobenzoyl peroxide <i>Akzo Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	3-Heptanone (Ethyl butyl ketone) <i>Union Carbide Corp., Industrial Chemicals Div.</i>		(¹)	(¹)	
	2-Heptanone (Methyl amyl ketone) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	6-Isopropyldecalone <i>Givaudan Corp.</i>	(4)	(¹)	(¹)	
	5-Methyl-2-hexanone (Methyl isoamyl ketone) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(4)	(¹)	(¹)	
	Methylisopropyl ketone <i>Eastman Kodak Co., Texas Eastman Co. Div.</i>	(¹)	(¹)		
	4-Methyl-3-penten-2-one (Mesityl oxide) <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Methylpropyl ketone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	Methylpseudoionone <i>Union Camp Corp., BBA Div.</i>	(¹)	(¹)	(¹)	
	2-Octanone (Hexyl methyl ketone) <i>Union Camp Corp., Chemical Div.</i>	(¹)			
	2,4-Pentanedione peroxide <i>Akzo Chemicals, Inc.</i>		(1)	(4)	
	3-Pentanone (Diethyl ketone) <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)		
	Pseudoionone <i>SCM Glidco Organics Corp.</i> <i>Union Camp Corp., BBA Div.</i>	(¹)	(¹)	(¹)	
	Trimethyl-cyclododeca-trienyl ethanone <i>International Flavors & Fragrances, Inc.</i>	(¹)	(¹)	(¹)	
	2,6,8-Trimethyl-4-nonanone (Isobutyl heptyl ketone) <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(1)	(1)	
	2-Undecanone <i>Akzo Nobel, Inc</i>	(¹)	(¹)		
	Residual Total	(¹)	(¹)	(¹)	
291419XX	HTS Level Residual Total				\$
291422	Cyclohexanone and methylcyclohexanones	424,791	35,034	31,335	0.89
29142210	Cyclohexanone	424,791	35,034	31,335	0.89
	Cyclohexanone <i>Allied Signal, Inc., Engineered Materials Sector</i> <i>BASF Corp. (Parsippany, NJ)</i> <i>DSM Chemicals, North America, Inc.</i> <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>	424,791	35,034	31,335	0.89
291423	Ionones and methylionones		(¹)	(¹)	
29142300	Ionones and methylionones	(¹)	(¹)	(¹)	
	Beta methyl ionone coevr <i>International Flavors & Fragrances, Inc.</i>		(¹)	(¹)	
	a-Ionone <i>Givaudan Corp.</i> <i>International Flavors & Fragrances, Inc.</i>	(¹)	18	551	30.41

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29142300 —Continued					
Chemical description/Manufacturer—Continued					
	SCM Glidco Organics Corp.				
	fl-Ionone	(¹)	(I)	(I)	
	SCM Glidco Organics Corp.				
	Iononela- and fl-I	120	70	1,858	\$ 26.48
	Givaudan Corp.				
	SCM Glidco Organics Corp.				
	Union Camp Corp., BBA Div.				
	γ-Methylionone	(¹)	(I)	(I)	
	International Flavors & Fragrances, Inc.				
	Union Camp Corp., BBA Div.				
	Methylionone(α- and β-1	(¹)	(I)	(¹)	
	Fragrance Resources, Inc.				
	International Flavors & Fragrances, Inc.				
	Union Camp Corp., BBA Div.				
	1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-1,6-heptadien-3-one (Allyl)-α-ionone)	(¹)	(I)		
	International Flavors & Fragrances, Inc.				
	Residual Total	(¹)		(¹)	
291429	Cyclanic, cyclonic or cycloterpenic ketones without other oxygen functions, nesi	25	13	580	43.41
29142950	Cyclanic, cyclonic or cycloterpenic ketones without other oxygen function, nesi	25	13	580	43.41
	p-tert-Amylcyclohexanone (Orivone)	(¹)	(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	2-sec-Butylcyclohexanone	(¹)	(¹)	(¹)	
	Givaudan Corp.				
	I-Carvone	(¹)	(I)	(I)	
	SCM Glidco Organics Corp.				
	Dihydrocarvone		(¹)	(I)	
	SCM Glidco Organics Corp.				
	2-Heptylcyclopentanone		(I)	(¹)	
	International Flavors & Fragrances, Inc.				
	Isomenthone				
	Givaudan Corp.				
	p-Menth-1-en-3-one (Piperitone)	(I)	(¹)	(I)	
	Givaudan Corp.				
	p-Menth-4-(8)-en-3-one (Pulegone)			(¹)	
	Givaudan Corp.				
	Trimethyl cyclohexenyl butenone		(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	Residual Total	25	13	580	43.41
291430	Aromatic ketones without other oxygen function	1,614	1,576	10,465	6.64
29143000	Aromatic ketones without other oxygen function	1,614	1,576	10,465	6.64
	2'-Acetonaphthone (Q-Methyl naphthyl ketone)		(¹)	(¹)	
	Givaudan Corp.				
	Acetophenone, tech.		PI	(I)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Benzophenone	(¹)	(¹)	(¹)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Ve/sicol Chemical Corp.				
	p-Benzoquinone	(I)	(I)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	1,2,3-Indantrione monohydrate (Ninhydrin)	(¹)	(¹)	(¹)	
	Pierce Chemical Co.				
	Tetramethyl, octahydro acetophenone	(I)	(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	Residual Total	1,614	1,576	10,465	6.64
291441	4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol)	(¹)	8,072	9,295	1.15

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29144100	4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol)	(1)	8,072	9,295	\$ 1.15
	4-Hydroxy-4-methyl-2-pentanone (Diacetone alcohol)	(1)	8,072	9,295	1.15
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)			
291441XX	HTS Level Residual Total	(1)			
291449	Ketone-alcohols and ketone-aldehydes, nesi	(1)	(1)	(1)	
29144950	Nonaromatic ketone alcohols and ketone aldehydes, nesi	(1)	(1)	(1)	
	Dihydro pentamethyl indanone	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291450	Ketone-phenols and ketones with other oxygen function	(1)	(1)	(1)	
29145020	Aromatic ketone-phenols and ketones with other oxygen function	(1)	(1)	(1)	
	2,4-Dihydroxybenzophenone	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	4,4'-Dimethoxy-2,2'-dihydroxybenzophenone	(1)	(1)	PI	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	2-Hydroxy-4-allyloxybenzophenone	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	2-Hydroxy-4-methoxybenzophenone	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	4-(4-Hydroxy-3-methoxyphenyl)-2-butanone (Vanillyacetone)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	1-p-Methoxyphenyl penten-1-one-3 (a-Methyl-anisalacetone)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29145050	Nonaromatic ketone-phenols and ketones with other oxygen function	(1)	(1)	(1)	
	2,4-Pentanedione (Acetylacetone)	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(1)	
291469	Quinones, excluding anthraquinones	(1)	(1)	(1)	
29146950	Quinones, nesi	(1)	(1)	(1)	
	2,5-Di-tert-butylhydroquinone	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	2-Methylantraquinone	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	Residual Total	(1)	(1)	(1)	
291470	Ketone end quinone halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29147020	Aromatic halogenated, sulfonated, nitrated or nitrosated derivatives of ketones and quinones, nesi	(1)	(1)	(1)	
	2-Bromo-4'-hydroxyacetophenone	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	Quinone dioxime	(1)	(1)	(1)	
	<i>Lord Corp., Chemical Products Div.</i>				
	Residual Total	(1)	(1)	(1)	
29147050	Nonaromatic halogenated, sulfonated, nitrated or nitrosated derivatives of ketones and quinones, nesi	(1)	(1)	(1)	
	5-Chloro-2-pentanone	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29147050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	1-Chloropinacolone	(¹)	(¹)	(¹)	
	<i>Miles, Inc., Agricultural Chemicals Div.</i>				
	Chloro-2-propanone (Chloroacetone)	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Cyclohexanone oxime	(¹)	(¹)	(¹)	
	<i>DSM Chemicals, North America, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
2914XX	HTS Level Residual Total	158,357	(¹)	(¹)	
2915	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids: their halogenated, sulfonated, nitrated or nitrosated derivatives	4,844,276	2,398,696	1,786,896	\$ 0.74
291511	Formic acid	(I)	(I)	(I)	
29151100	Formic acid	Pi	(I)	(¹)	
	Formic acid, 90%	(I)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291512	Salts of formic acid	(¹)	(¹)	(¹)	
29151200	Salts of formic acid	(¹)	(¹)	(¹)	
	Aluminum formate	(I)	(I)	(I)	
	<i>Mooney Chemicals, Inc.</i>				
	Ammonium formate	(I)	(¹)	(¹)	
	<i>RSA Corp.</i>				
	Calcium formate	(¹)	(¹)	(¹)	
	<i>Trimet Technical Products, Inc.</i>				
	Sodium formate, technical	(¹)	(¹)	(¹)	
	<i>J. T. Baker Chemical Co.</i>				
	<i>Perstorp Polyols, Inc.</i>				
	Residual Total	(¹)	(I)	(¹)	o
291513	Esters of formic acid	(9)	(¹)	Pi	
29151310	Aromatic esters of formic acid	4	(¹)	(I)	
	3,7-Dimethyl-1, 6-octadien-3-yl formate	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Phenethyl formate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	4	(¹)	(I)	
29151350	Nonaromatic esters of formic acid	(I)	(¹)	(¹)	
	Cedryl formate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Citronellyl formate	6	5	100	19.56
	<i>Elan Chemical Co.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Geranyl formate	5	5	102	20.46
	<i>Elan Chemical Co.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>Givaudan Corp.</i>				
	Methyl formate	(¹)	0)	(¹)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Residual Total	(I)	(I)	(¹)	
291519	HTS Level Residual Total	3,566	3,127	6,054	1.94
29151950	HTS Level Residual Total	3,566	3,127	6,054	1.94
	Anhydrosorbitol monolaurate	3,566	3,127	6,054	1.94
	<i>Calgene Chemical, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29151950 — Continued					
Chemical description/Manufacturer—Continued					
	Lonza, Inc.				
	PPG Industries, Inc.				
291521	Acetic acid	1,508,940	468,517	188,727	\$ 0.40
29152100	Acetic acid	1,508,940	468,517	188,727	0.40
	Acetic acid, synthetic (100%)	1,508,940	468,517	188,727	0.40
	Air Products & Chemicals, Inc.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical. Group, Inc.				
	Mallinckrodt Chemical, Inc. (Raleigh)				
	Quantum Chemical Corp., US/ Div.				
	Rhone Poulenc, Inc.				
	SCM Glidco Organics Corp.				
	Sterling Chemicals, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
291522	Sodium acetate	20,134	(1)	(1)	
29152200	Sodium acetate	20,134		(1)	
	Sodium acetate	20,134	(1)	(1)	
	Company not disclosed				
	Honig Chemical & Processing Corp.				
	J.T. Baker Chemical Co.				
	Jerchem Industries, Inc.				
	Niacet Corp.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total		(1)	(1)	
291522XX	HTS Level Residual Total		(1)	(1)	
291523	Cobalt acetates	(1)	(1)	(1)	
29152300	Cobalt acetates	(1)	(1)	(1)	
	Cobalt acetate	(1)	(1)	(1)	
	Shepherd Chemical Co.				
	Residual Total	(1)	(1)	(1)	
291524	Acetic anhydride	(1)	(1)	(1)	
29152400	Acetic anhydride	(1)	(1)	(1)	
	Acetic anhydride, other than recovered acetic anhydride the vapor-phase process (100%)	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total	(1)	(1)	(1)	
291529	Acetic acid salts nesi	(1)	(1)	(1)	
29152900	Acetic acid salts nesi	3,957	4,551	12,015	2.64
	Acetic acid salts, all other	(1)	(1)	(1)	
	Chattem, Inc.				
	Ammonium acetate	(1)	(1)	(1)	
	Company not disclosed				
	J. T. Baker Chemical Co.				
	Calcium acetate	(1)	(1)	(1)	
	Ducoa, L.P.				
	Niacet Corp.				
	Syntex Agribusiness, Inc.				
	Chromium acetate	(1)	(1)	(1)	
	Shepherd Chemical Co.				
	Cobalt manganese acetate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Copper acetate	(1)	(1)	(1)	
	J. T. Baker Chemical Co.				
	Hydrazine acetate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29152900 -Continued					
Chemical description/Manufacturer-Continued					
	<i>Fairmount Chemical Co., Inc.</i>				
	Lead acetate	(¹)			
	<i>J. T. Baker Chemical Co.</i>				
	Lead subacetate		(¹)	(¹)	
	<i>J. T. Baker Chemical Co.</i>				
	Magnesium acetate		(¹)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Shepherd Chemical Co.</i>				
	Manganese acetate	(¹)	(¹)	(¹)	
	<i>Shepherd Chemical Co.</i>				
	Nickel acetate	(¹)			
	<i>Shepherd Chemical Co.</i>				
	Potassium acetate	1,561	1,510	2,302	\$ 1.52
	<i>Honig Chemical & Processing Corp.</i>				
	<i>J. T. Baker Chemical Co.</i>				
	<i>Jarchem Industries, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Niacet Corp.</i>				
	<i>Pelron Corp.</i>				
	Sodium diacetate	(¹)		(¹)	
	<i>Honig Chemical & Processing Corp.</i>				
	<i>Jarchem Industries, Inc.</i>				
	<i>Niacet Corp.</i>				
	Zinc acetate		(¹)	(¹)	
	<i>J. T. Baker Chemical Co.</i>				
	<i>Shepherd Chemical Co.</i>				
	Zirconium acetate	(¹)	(¹)	(¹)	
	<i>C.N. C. International</i>				
	<i>Magnesium E/ektron, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	Residual Total	2,396	3,041	9,713	3.19
	a-Methylcinnamaldehyde		(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291531	Ethyl acetate	108,637	105,448	75,175	0.71
29153100	Ethyl acetate	108,637	105,448	75,175	0.71
	Ethyl acetate (100% basis)	108,637	105,448	75,175	0.71
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Monsanto Co.</i>				
291532	Vinyl acetate	1,257,663	973,219	406,158	0.42
291 53200	Vinyl acetate	1,257,663	973,219	406,158	0.42
	Vinyl acetate, monomer	1,257,663	973,219	406,158	0.42
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291533	n-Butyl acetate	132,378	115,850	88,092	0.76
291 53300	n-Butyl acetate	132,378	115,850	88,092	0.76
	n-Butyl acetate	132,378	115,850	88,092	0.76
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291 5 35	2-Ethoxyethyl acetate (Ethylene glycol, monoethyl ether acetate)		(¹)	(¹)	
291 53 500	2-Ethoxyethyl acetate (Ethylene glycol, monoethyl ether acetate)	(¹)		(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
FITS No. 29153500 — Condusd					
	2-Ethoxyethyl acetate Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	(I)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
291539	Esters of acetic acid, nesi	(¹)	(¹)	(¹)	
29153910	Benzyl acetate	(¹)	(¹)	(¹)	
	Benzyl acetate Haarmann & Reimer Corp. Kalama Chemical, Inc.	(¹)	(¹)	(¹)	
	Guaiacwood acetate Elan Chemical Co.	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29153920	Odoriferous or flavoring compounds of aromatic esters of acetic acid, other than benzyl acetate	233	207	2,412	\$ 11.63
	Allyl phenoxyacetate Kalama Chemical, Inc.	V)	(¹)	(¹)	
	Anisyl acetate Elan Chemical Co. Fragrance Resources, Inc. Givaudan Corp.	28	20	411	20.17
	Cinnamyl acetate Elan Chemical Co.	(¹)	(¹)	(¹)	
	Citronellyl acetate Elan Chemical Co. Fragrance Resources, Inc. Givaudan Corp. International Flavors & Fragrances, Inc. SCM Glidco Organics Corp.	51	50	558	11.18
	Cuminyl acetate International Flavors & fragrances, Inc.	(¹)	(¹)	(¹)	
	Cyclanol acetate Firmenich, Inc.	(I)	(¹)	(¹)	
	Ethyl phenylacetate Elan Chemical Co.	(¹)	(¹)	(¹)	
	4,7-Methano-1H-indene-2-methanol octahydro acetate Firmenich, Inc.	(¹)	(I)	(I)	
	2-Methoxy-4-propenylphenol,acetate Elan Chemical Co.	(¹)	(¹)	(¹)	
	o-Methylbenzyl acetate (Styralyl acetate) International Flavors & Fragrances, Inc.	VI	(¹)	(¹)	
	Phenethyl acetate Fragrance Resources, Inc. International Flavors & Fragrances, Inc.	(¹)	(¹)	(I)	
	3-Phenylpropyl acetate Elan Chemical Co. Givaudan Corp.	(¹)	(¹)	(¹)	
	p-Tolyl acetate Elan Chemical Co.	(I)	(I)	(I)	
	Residual Total	154	137	1,443	10.52
29153940	Linalyl acetate	(¹)	(¹)	(¹)	
	3,7-Dimethyl-1,6-octadien-3-ol,acetate (Linalyl acetate) Givaudan Corp. SCM Glidco Organics Corp.	(¹)	(¹)	(I)	
	Residual Total	(¹)	(¹)	(¹)	
29153945	Odoriferous or flavoring compounds of nonaromatic esters of acetic acid, nesi	(¹)	(I)	(¹)	
	Acetyl cedrene (Vertoflex)	(I)	(¹)	(I)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29153945 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Fragrance Resources, Inc.</i>				
	Amyl cyclohexyl acetate	(¹)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Amyris acetate	(¹)		(¹)	
	<i>Givaudan Corp.</i>				
	o-tert-Butylcyclohexyl acetate	(¹)	(¹)		
	<i>Firmenich, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Cedryl acetate	47	30	493	\$ 16.24
	<i>Elan Chemical Co.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Cyclohexyl ethyl acetate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Decyl acetate	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Dihydronordicyclopentadienyl acetate (Cyclacet)	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	3,7-Dimethyl-cis-2,6-octadienol, acetate (Neryl acetate)	18	9	100	11.56
	<i>Elan Chemical Co.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	Dimethyloctanyl acetate	(1)	(¹)	(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Geranyl acetate	132	98	964	9.86
	<i>Elan Chemical Co.</i>				
	<i>Firmenich, Inc.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	cis-3-Hexen-1-y1 acetate	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>				
	Hexyl acetate	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	Isobutyl acetate	(¹)	(9)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Isononyl acetate	(¹)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Isopentyl acetate (Isoamyl acetate)	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	Menthyl acetate		(i)	(1)	
	<i>SCM Glidco Organics Corp.</i>				
	3-Methyl-2-butenyl acetate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Myrcenyl acetate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	1,3-Nonanediol acetate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	Ocimenyl acetate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				

See endnotas at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29153945 —Continued					
Chemical description/Manufacturer—Continued					
	N-Octyl acetate	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	3-Oxo-2-pentylcyclopropane acetic acid	(1)	(1)	(1)	
	Company not disclosed				
	Polypropoxydiethylmethyl acetate	(1)	(1)	(1)	
	Witco Corp.				
	Propyl acetate	38,710	33,910	33,903	\$ 1.00
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Tepyl acetate	(1)	(1)		
	Elan Chemical Co.				
	a-Terpinyl acetate	(1)	(1)		
	SCM Glidco Organics Corp.				
	Union Camp Corp., SBA Div.				
	Tetrahydrolinallyl acetate	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	2,4,6,8-Tetramethylnonan-1-yl acetate	(1)	(1)	(1)	
	Firmenich, Inc.				
	Tetramethyl octahydro acetyl naphthalene	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Vetivenyl acetate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Fragrance Resources, Inc.				
	Residual Total	(1)	(1)		
29153947	Acetates of polyhydric alcohols or of polyhydric alcohol ethers	(1)	(1)	(1)	
	2-12-Butoxyethoxy)ethyl acetate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Oxy Petrochemicals, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	2-Butoxyethyl acetate	7,598	7,365	10,669	1.45
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Oxy Petrochemicals, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Dipropylene glycol monomethyl ether acetate	(1)	(1)	(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Company not disclosed				
	2-(2-Ethoxyethoxy)ethyl acetate			(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Ethylene glycol diacetate		(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glyceryl diacetate (Diacetin)	(1)	(1)	(1)	
	C.P. Hall Co.				
	Glyceryl triacetate (Triacetin)	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	1-Methoxy-2-propyl acetate	(1)	(1)	(1)	
	Company not disclosed				
	Sucrose octa-acetate	(1)	(1)	(1)	
	Syntex Agribusiness, Inc.				
	Residual Total	(1)	(1)	(1)	
29153950	Nonaromatic esters of acetic acid, nesi		(1)	(1)	
	Amyl acetate (n-Pentyl acetate)		(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Butoxyethylene oxyacetic acid, sodium salt	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	tert-Butyl peroxyacetate	(1)		(1)	
	Aztec Catalyst Co.				

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29153950 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Elf Atochem North America, Inc.</i>				
	2-Ethyl-1-hexyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Isopropyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Tridecyloxypoly(ethyleneoxy) acetic acid, sodium salt	(1)	(1)	(1)	
	<i>Hilton Davis Chemical Co.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Residual Total	(1)	(1)	(1)	
291539XX	HTS Level Residual Total			(1)	
291540	Mono-, di- or trichloroacetic acids, their salts and esters	(1)	(1)	(1)	
29154010	Chloroacetic acids	(1)	(1)	(1)	
	Chloroacetic acid, mono	(1)	(1)	(1)	
	<i>Niacet Corp.</i>				
	<i>Pfizer, Inc.</i>				
	2,2-Dichloroacetyl chloride	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29154050	Nonaromatic salts and esters of chloroacetic acids, nest	(1)	(1)	(1)	
	Sodium fluoroacetate	(1)	(1)	(1)	
	<i>Tull Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291550	Propionic acid, its salts and esters	(1)	(1)	(1)	
29155010	Propionic acid	(1)	(1)	(1)	
	Propionic acid	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(1)	
29155020	Aromatic salts and esters of propionic acid	(1)	(1)	(1)	
	Benzyl propionate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Cinnamyl propionate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Phenethyl propionate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Residual Total	(1)	(1)	(1)	
29155050	Nonaromatic salts and esters of propionic acid	45,570	41,485	43,800	\$ 1.06
	Ammonium propionate		(1)	(1)	
	<i>Kemin Industries, Inc.</i>				
	Calcium propionate	16,382	13,880	14,443	1.04
	<i>Diversified Technology, Inc.</i>				
	<i>Ducoa, L.P.</i>				
	<i>Kemin Industries, Inc.</i>				
	<i>Niacet Corp.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Caprylamphopropionate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Citronellyl propionate	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Dihydronordicyclopentadienyl propionate (Cyclaprop) (Verdyl propionate extra)	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Ethyl 3-ethoxy propionate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

FITS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29155050 —Continued					
Chemical description/Manufacturer—Continued					
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Texaco Chemical Co.				
	Ethyl propionate	(1)	(1)	(1)	
	Northwestern Flavors, Inc.				
	Geranyl propionate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Glyceryl Tripropionate	(1)	(1)		
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Isobornyl propionate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Sodium propionate	(1)	(1)	(1)	
	Ducoa, L.P.				
	Niacet Corp.				
	Syntex Agribusiness, Inc.				
	a-Terpinyl propionate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Residual Total	29,188	27,605	29,357	1.06
	Zinc laurate (Activator, physical property improver, and processing auxiliary)	(1)		(1)	
	Uniroyal Chemical Co., Inc.				
	Residual Total	(1)	(1)	(1)	
291560	Butyric acids, valeric acids, their salts and esters	(1)		(1)	
29156010	Aromatic salts and esters of butyric acids and valeric acids	(1)	(1)		
	Benzyl butyrate	(1)		(1)	
	Elan Chemical Co.				
	Benzyl isobutyrate	(1)		(1)	
	Elan Chemical Co.				
	Benzyl isovalerate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Cinnamyl butyrate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Phenethyl isobutyrate	20	(1)	(1)	
	Elan Chemical Co.				
	Givaudan Corp.				
	International Flavors & fragrances, Inc.				
	Phenethyl isovalerate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Phenylethyl 2-methyl butyrate	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	Residual Total	(1)	(1)		
29156050	Butyric acids, valeric acids, their nonaromatic salts and esters	(1)	(1)	(1)	
	Butyric acid	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Citronellyl isobutyrate	(1)	(1)		
	Elan Chemical Co.				
	Givaudan Corp.				
	Ethyl butyrate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Northwestern Flavors, Inc.				
	Ethyl isovalerate	(1)	(1)		
	Elan Chemical Co.				
	Ethyl-2-methyl butyrate	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	Ethyl valerate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29156050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Elan Chemical Co.</i>				
	Geranyl butyrate		(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Geranyl isobutyrate		(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Hexyl 2-methylbutyrate	(¹)		(¹)	
	<i>SCM Glidco Organics Corp.</i>				
	Isobutyl isobutyrate	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Isobutyric acid		(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Isobutyric anhydride	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Isopentyl butyrate	(¹)	(¹)		
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	Isopentyl isovalerate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	2-Methylbutyl isovalerate	(¹)	(¹)		
	<i>SCM Glidco Organics Corp.</i>				
	Octyl isovalerate	(¹)			
	<i>Givaudan Corp.</i>				
	Pivaloyl chloride	2,733	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	Sucrose acetate isobutyrate			(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	2,2,3-Trimethyl-1,3-pentanediol monoisobutyrate	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291 570	Palmitic acid, stearic acid, their salts and esters	141,795	105,848	169,561	\$ 1.60
291 5 7000	Palmitic acid, stearic acid, their salts and esters	141,795	105,848	169,561	1.60
	Aluminum distearate	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	<i>Synthetic Products Co.</i>				
	Aluminum monostearate	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	<i>Synthetic Products Co.</i>				
	Aluminum tristearate	735	707	2,201	3.11
	<i>Company not disclosed</i>				
	<i>Mallinckrodt Chemicals Inc.</i>				
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Anhydrosorbitol monopalmitate	(¹)	(¹)		
	<i>Calgene Chemical, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	Anhydrosorbitol monostearate	10,165	(¹)	(¹)	
	<i>Calgene Chemical, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 29157000 — Continued					
Chemical description/Manufacturer—Continued					
	Lonza, Inc. PPG Industries, Inc.				
	Anhydrosorbitol tristearate	(¹)	(¹)	(¹)	
	Lonza, Inc. PPG Industries, Inc.				
	Barium stearate	(¹)	(¹)	(¹)	
	Synthetic Products Co. Witco Corp.				
	n-Butyl stearate	2,650	2,665	3,381	\$ 1.27
	Henkel Corp. Inolex Chemical Co. Union Camp Corp., Chemical Div. Witco Corp.				
	Cadmium stearate	(¹)	(¹)	(¹)	
	Ferro Corp., Bedford Chemical Div. Synthetic Products Co.				
	Calcium stearate	45,999	45,101	56,485	1.25
	Ferro Corp., Bedford Chemical Div. Ferro Corp., Grant Chemical Div. Henkel Corp. Mallinckrodt Chemicals Inc. Norac Co., Inc. Sequa Chemicals, Inc. Synthetic Products Co. Witco Corp.				
	Cobalt stearate	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc. Shepherd Chemical Co.				
	Diethylene glycol monostearate	(1)	(¹)	(¹)	
	Lonza, Inc. Rhône Poulenc, Inc.				
	Diethylene glycol sesquistearate	(¹)	(¹)	(¹)	
	Moretex Chemical Products, Inc.				
	Ethoxylated anhydrosorbitol monopalmitate	(1)	(¹)	(¹)	
	Calgene Chemical, Inc. Ethox Chemicals, Inc. ICI Americas, Inc., Specialty Chemicals Div. PPG Industries, Inc.				
	Ethoxylated anhydrosorbitol monostearate	(¹)	(¹)	(¹)	
	Calgene Chemical, Inc. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.				
	Ethoxylated anhydrosorbitol tristearate	356	328	815	2.49
	Calgene Chemical, Inc. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.				
	Ethoxylated 1,2-propanediol monostearate	(¹)	(¹)	(¹)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Ethoxylated sorbitol monopalmitate	(¹)	(1)	(1)	
	High Point Chemical Corp.				
	Ethoxylated sorbitol monostearate	(¹)	(1)	(¹)	
	Grant Industries, Inc. High Point Chemical Corp.				
	Ethoxylated sorbitol tetrastearate	(1)	(1)	(1)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Ethylene glycol distearate	1,703	1,639	3,521	2.15

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29157000 —Continued					
Chemical description/Manufacturer—Continued					
	Exxon Chemical Americas ICI Americas, Inc., Specialty Chemicals Div. Inolex Chemical Co. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Stepan Co. Witco Corp.				
	Ethylene glycol monostearate Henkel Corp. ISP Van Dyk, Inc. Inolex Chemical Co. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Stepan Co. Witco Corp.	1,787	1,613	3,186	\$ 1.98
	Ethylene glycol sesquistearate ISP Van Dyk, Inc.		(1)	(1)	
	2-Ethylhexyl palmitate Caschem, Inc. ISP Van Dyk, Inc. Inolex Chemical Co. Union Camp Corp., Chemical Div.	1 ¹⁾	(1)	(1)	
	2-Ethylhexyl stearate Caschem, Inc. Hoechst Celanese Corp., Sou Tex Works Inolex Chemical Co.	130	98	213	2.16
	Fatty acid esters, not included with plasticizers surface-active agents, all other Arizona Chemical Co. Eastman Kodak Co., Tennessee Eastman Co. Div. Henkel Corp. Lonza, Inc.		(t)	(1)	
	Glycerol monostearate C.N. C. International C.P. Hall Co. Chemol Co. Grant Industries, Inc. Henkel Corp. ISP Van Dyk, Inc. Inolex Chemical Co. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Sequa Chemicals, Inc. Stepan Co. WestPoint Stevens, Inc., Grifftex Chemicals Witco Corp.	4,386	4,395	8,253	1.88
	Glyceryl triacetyl stearate Caschem, Inc.	(¹⁾	(¹⁾		
	Hexadecyl hexadecanoate (Palmitic palmitate) Henkel Corp.		(1)	(1)	
	Hexadecyl stearate Hoechst Celanese Corp., Sou Tex Works	(¹⁾	(¹⁾		
	Isobutyl stearate Henkel Corp. Inolex Chemical Co.	504	477	619	1.30

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29157000 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Union Camp Corp., Chemical Div.</i>				
	<i>Witco Corp.</i>				
	Isocetyl stearate	(¹)	(¹)		
	<i>ISP Van Dyk, Inc.</i>				
	<i>Witco Corp.</i>				
	Isopropyl palmitate	(¹)	(I)	(¹)	
	<i>Caschem, Inc.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Isopropyl stearate	(¹)	(¹)	(I)	
	<i>Caschem, Inc.</i>				
	Isostearic amphopropionate	(I)	(¹)	(I)	
	<i>Mona Industries, Inc.</i>				
	Lead stearate, dibasic	(¹)	(¹)	(I)	
	<i>Anzon, Inc.</i>				
	Lithium stearate	(¹)	(¹)	(¹)	
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Magnesium stearate	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Manganese stearate	(¹)	(¹)	(I)	
	<i>Shepherd Chemical Co.</i>				
	Methyl stearate	(I)	(¹)	(¹)	
	<i>Chemol Co.</i>				
	<i>Witco Corp.</i>				
	Myristyl stearate	(I)	(I)	(I)	
	<i>ISP Van Dyk, Inc.</i>				
	Oxoaluminum stearate	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Palmitic acid esters, all other	(I)	(I)	(I)	
	<i>Scher Chemicals, Inc.</i>				
	Pentaerythritol stearate	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Potassium stearate	PI		(¹)	
	<i>Witco Corp.</i>				
	1,2-Propanediol monostearate		363	1,105	\$ 3.05
	<i>C. P. Hall Co.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lanza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>Stepan Co.</i>				
	Sodium stearate	(¹)	(¹)	(¹)	
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Sorbitol monostearate	(¹)	(¹)	(¹)	
	<i>Witco Corp.</i>				
	Stearic acid, ammonium salt	(¹)		(¹)	
	<i>Original Bradford Soap Works, Inc.</i>				
	<i>WestPoint Stevens, Inc., GriffTex Chemicals</i>				
	Stearic acid esters, all other	654	578	2,010	3.47
	<i>Cambridge Industries of America, Inc.</i>				
	<i>ISP Van Dyk, Inc.</i>				
	<i>Inolex Chemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29157000 —Continued					
Chemical description/Manufacturer—Continued					
	Mobil Oil Corp., Chemical Products Div. Scher Chemicals, Inc.				
	Stearic acid (Octadecanoic acid) Akzo Nobel, Inc	(¹)	(¹)	(¹)	
	Stearic acid, potassium salt Henkel Corp. Quaker Chemical Corp.	(¹)	(¹)	(¹)	
	Stearic acid salts, all other C.N.C. International Ferro Corp., Bedford Chemical Div. Mooney Chemicals, Inc. Synthetic Products Co.	(¹)	(¹)	(1)	
	Stearic acid, sodium salt Hewitt Soap Co., Inc. Lever Brothers Co	(¹)		(¹)	
	Stearyl stearate Rhone Poulenc, Inc.	(¹)	(1)	(1)	
	Tridecyl stearate Witco Corp.	(¹)	(¹)	(¹)	
	Zinc stearate Ferro Corp., Grant Chemical Div. Mallinckrodt Chemicals Inc. Norac Co., Inc. Plastics Engineering Co. Synthetic Products Co. Witco Corp.	15,247	13,533	24,730	\$ 1.83
	Residual Total	57,479	34,350	50,204	1.46
291590	Saturated, acyclic monocarboxylic acids nesi, and their derivatives, nesi	(¹)	(¹)	(¹)	
29159010	Fatty acids of animal or vegetable origin, nesi	(¹)	(¹)	(1)	
	Butyl myristate Caschem, Inc.	(¹)	(1)	(1)	
	Ethoxylated anhydrosorbitol monolaurate Ca/gene Chemical, Inc. Ethox Chemicals, Inc. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.	3,526	3,216	7,437	2.31
	Ethyl laurate Elan Chemical Co.	(¹)	(¹)	(t)	
	Residual Total	(¹)	(¹)	(1)	
29159018	HTS Level Residual Total	75,850	67,306	109,559	1.63
	N-Acetyl methyl anthranilate American Bio Synthetics Corp.	(¹)	(¹)	(¹)	
	Acids, acid anhydrides, and acyl halides, all other Company not disclosed E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. Exxon Chemical Americas Henkel Corp. Union Carbide Corp., Industrial Chemicals Div. Wyckoff Chemical Co., Inc.	14,207	11,083	14,294	1.29
	Bromobutyric acid Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	Bromopropionic acid Syntex Agribusiness, Inc.	(¹)	(¹)	(¹)	
	Butanoic acid, 1-cyclohexylethyl ester Company not disclosed	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29159018 —Continued</i>					
	Decanoic acid (Capric acid) <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Dimethylolpropionic acid <i>Trimet Technical Products, Inc.</i>		(1)	(1)	
	2-Ethylhexanoic acid (a-Ethylcaproic acid) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Heptanoic acid <i>Hoechst Celanese Corp., Chemical Group, Inc.</i>	(1)	(1)	(1)	
	Isostearyl isostearate <i>Scher Chemicals, Inc.</i>	(1)	(1)		
	Neo-C ₉ -C ₁₂ acids <i>Elf Atochem North America, Inc.</i>	(1)	(1)		
	Neodecanoic acid <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	Neopentanoic/neoheptanoic acids <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	Nonanoic acid (Pelargonic acid) <i>Hoechst Celanese Corp., Chemical Group, Inc.</i>	(1)	(1)	(1)	
	Octanoic acid (Caprylic acid) <i>Akzo Nobel, Inc.</i> <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Trifluoroacetic acid <i>Halocarbon Products Corp.</i>	(1)	(1)	(1)	
	Valeric acid <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	61,643	56,223	95,265	\$ 1.69
29159020	Aromatic anhydrides, halides, peroxides and peroxyacids, of saturated acyclic monocarboxylic acids, and their derivatives, nesi	596	664	12,580	18.94
	Benzyl phenylacetate <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	Benzyl salicylate <i>Haarmann & Reimer Corp.</i>	(1)	(1)	(1)	
	a-Cumyl peroxyneodecanoate <i>Elf Atochem North America, Inc.</i> <i>Witco Corp.</i>		(1)	(1)	
	2-Cumyl peroxyneohexanoate <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Ethyl cinnamate <i>Elan Chemical Co.</i>	(1)	(1)	(1)	
	Fenoprofen <i>Eli Lilly & Co.</i>		(1)	(1)	
	p-Tolyl octanoate <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)		
	Residual Total	596	664	12,580	18.94
29159050	Nonaromatic anhydrides, halides, peroxides and peroxyacids, of saturated acyclic monocarboxylic acids, and their derivatives, nesi	189,995	88,417	252,741	2.86
	Acyclic plasticizers, all other <i>Harcros Chemicals, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Inolex Chemical Co.</i> <i>Mobil Oil Corp., Chemical Products Div.</i> <i>Morflex, Inc.</i>			(1)	
	t-a-Alkylcarboxylic acid salts (Isocarboxylic acid salts), all other		(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29159050 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Mooney Chemicals, Inc.</i>				
	Aluminum octanoate <i>Synthetic Products Co.</i> <i>Witco Corp.</i>	II)	(¹)		
	Ammonium isovalerate <i>RSA Corp.</i>	1 ¹	(¹)		
	t-Amylperoxy acetate <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	t-Amylperoxy neodecanoate <i>Elf Atochem North America, Inc.</i>	1 ¹)	(1)	(1)	
	t-Amylperoxy pivalate <i>Elf Atochem North America, Inc.</i>		(1)	(1)	
	Barium cadmium laurate <i>Ferro Corp., Bedford Chemical Div.</i> <i>Witco Corp.</i>	(¹)	(¹)		
	Barium 2-ethylhexanoate <i>Witco Corp.</i>	(11)	(1)	(1)	
	Barium laurate <i>Synthetic Products Co.</i>	(1)	(1)	(1)	
	Benzyl chloroformate <i>Hatco Chemical Co.</i> <i>Vanchem, Inc.</i>	(1)	(1)	(1)	
	Bismuth 2-ethylhexanoate <i>Shepherd Chemical Co.</i>	(1)	(1)	(¹)	
	Bismuth neodecanoate <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(¹)	(¹)	(¹)	
	Butyl butyrl lactate <i>Elan Chemical Co.</i>	(1)	(1)	111	
	sec-Butyl chloroformate <i>PPG Industries, Inc.</i> <i>Vanchem, Inc.</i>	(¹)	(¹)	(¹)	
	t-Butyl-2-ethylhexyl monoperoxy carbonate <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)		
	tert-Butyl peroxyneodecanoate <i>Elf Atochem North America, Inc.</i> <i>Witco Corp.</i>	(¹)	1 ¹)	(¹)	
	Butyric anhydride <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	Cadmium 2-ethylhexanoate <i>Akcros Chemicals America</i> <i>Witco Corp.</i>	1 ¹)	11)	(1)	
	Calcium t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	1 ¹)	1 ¹)	(¹)	
	Calcium 2-ethylhexanoate <i>Akcros Chemicals America</i> <i>Ferro Corp., Bedford Chemical Div.</i> <i>Huts America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Troy Chemical Corp.</i> <i>Witco Corp.</i>	1,352	(¹)	(¹)	
	Calcium neodecanoate <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(¹)	(¹)		
	5(or 6)carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, potassium/sodium salts <i>Company not disclosed</i>	(¹)	1 ¹)	(¹)	
	Cerium 2-ethylhexanoate	(1)	(1)		

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
HTS No. 29159050 —Continued					
Chemical description/Manufacturer—Continued					
	Mooney Chemicals, Inc. Shepherd Chemical Co.				
	Chromium 2-ethylhexanoate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc. Shepherd Chemical Co.				
	Cobalt t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Cobalt 2-ethylhexanoate <i>Akcros Chemicals America</i> <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i> <i>Troy Chemical Corp.</i>	3,116	1,428	13,168	\$ 9.22
	Cobalt/manganese/zirconium alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)		
	Cobalt neodecanoate <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(¹)	(¹)	(¹)	
	Cobalt-potassium 2-ethylhexanoate <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Cobalt/zirconium t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Copper t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)		
	Copper 2-ethylhexanoate <i>Mooney Chemicals, Inc.</i>	(¹)		(¹)	
	Decanoyl peroxide <i>Elf Atochem North America, Inc.</i> <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Diacetyl tartaric acid esters of monoglycerides <i>Grindsted Products, Inc.</i>	(¹)	(¹)	(¹)	
	Diethylene glycol chloroformate <i>PPG Industries, Inc.</i>		(¹)	(¹)	
	Diethylene glycol monolaurate <i>Eastern Color & Chemical Co.</i>	(1)	(1)	(1)	
	2,5-Dimethyl-2,5-dia-ethylhexanoyl peroxy)hexane <i>Elf Atochem North America, Inc.</i> <i>Witco Corp.</i>		(1)		
	Dimethylhexanoic acid, calcium carbonate salt <i>Akcros Chemicals America</i>	(1)	(1)	(1)	
	1,1-Dimethyl-3-hydroxybutyl-peroxyneohexanoate <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Docosanyl docosenoate <i>Scher Chemicals, Inc.</i>		(¹)	(¹)	
	Ethyl chloroformate <i>PPG Industries, Inc.</i>	(1)	(¹)	(¹)	
	Ethyl-3,3-ditt-amylperoxy)butyrate <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Ethyl hexanoate <i>Elan Chemical Co.</i> <i>Northwestern Flavors, Inc.</i>			(1)	
	2-Ethylhexanoic acid salts, all other <i>Ferro Corp., Bedford Chemical Div.</i> <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	2-Ethylhexanoyl chloride <i>Elf Atochem North America, Inc.</i>	1,684	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29159050 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	PPG Industries, Inc. Witco Corp.				
	2-Ethylhexyl chloroformate	(¹)		(¹)	
	Vanchem, Inc.				
	Ethyl methacrylate	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Polymer Products ICI Americas, Inc., Specialty Chemicals Div.				
	Ethyl myristate	(¹)	(¹)	(¹)	
	Elan Chemical Co.				
	Gluconic acid, potassium and sodium salts W/20% mix of sodium bisulfite-formaldehyde	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Sou Tex Works				
	Glycerides, mixed C ₁₄₋₁₈ and C ₁₆₋₁₈ , mono- and di-	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Glycerides, mono, mixed	(¹)	(¹)	(¹)	
	Witco Corp.				
	Glycerol dilaurate	(¹)	(¹)	(¹)	
	High Point Chemical Corp. ISP Van Dyk, Inc.				
	Glycerol monolaurate	(¹)	(¹)	(¹)	
	Calgene Chemical, Inc.				
	Glycol pelargonate	(1)	(¹)	(¹)	
	Henkel Corp.				
	Heptanoic acid, oxybis(2,1-ethanedioxy-2,1-diy1) ester	(¹)	(1)	(1)	
	Inolex Chemical Co.				
	Heptanoic acid, potassium salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	Hexyl neopentanoate	(¹)	(¹)	(¹)	
	Scher Chemicals, Inc.				
	Iron t-a-alkylcarboxylate	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Iron 2-ethylhexanoate	(¹)	(¹)	(¹)	
	Akcros Chemicals America				
	Isobutyl chloroformate	(¹)	(¹)	(¹)	
	PPG Industries, Inc. Vanchem, Inc.				
	Isodecyl neopentanoate	(¹)	(¹)	(¹)	
	Fragrance Resources, Inc.				
	Isodecyl pelargonate	(1)	(¹)	(¹)	
	Henkel Corp.				
	Isooctanoic acid, manganese salt	(1)	(¹)	(¹)	
	Akcros Chemicals America				
	Isooctanoic acid salts, all other	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Isopropyl chloroformate	(¹)	(¹)	(¹)	
	PPG Industries, Inc. Vanchem, Inc.				
	Isopropyl myristate	(¹)	(¹)	(¹)	
	Inolex Chemical Co. Union Camp Corp., Chemical Div.				
	Isostearyl neopentanoate	(¹)	(¹)	(¹)	
	ISP Van Dyk, Inc. Scher Chemicals, Inc.				
	Lauric acid esters, all other	(¹)	(¹)	(¹)	
	C.P. Hall Co.				
	Lauric acid salts, all other	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
HTS No. 29159050 —Continued					
Chemical description/Manufacturer—Continued					
	Ferro Corp., Bedford Chemical Div.				
	Lauric acid, zinc salt	(¹)	(¹)	(I)	
	Synthetic Products Co.				
	Lauroyl chloride	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Elf Atochem North America, Inc.				
	PPG Industries, Inc.				
	Lauroyl peroxide	(¹)	(1)		
	Elf Atochem North America, Inc.				
	Elf Atochem North America, Inc.				
	Lead-cobalt neodecanoate	(I)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Lead 2-ethylhexanoate		(¹)	(¹)	
	Akcros Chemicals America				
	Huls America, Inc.				
	Shepherd Chemical Co.				
	Lead neodecanoate		(I)	(¹)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Lithium neodecanoate	(¹)	(I)	(¹)	
	Mooney Chemicals, Inc.				
	Manganese t-a-alkylcarboxylate	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Manganese 2-ethylhexanoate	473	(1)	(1)	
	Akcros Chemicals America				
	Huls America, Inc.				
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Troy Chemical Corp.				
	Manganese neodecanoate	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Methyl behenate		(¹)	(¹)	
	Witco Corp.				
	Methyl chloroformate	(¹)	(1)	(1)	
	PPG Industries, Inc.				
	Methyl esters of coconut oil	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Methyl esters of lard oil		(¹)	(I)	
	Chemol Co.				
	Ferro Corp., Keil Chemical Div.				
	Methyl-2-methyl butyrate	(I)	(¹)	(¹)	
	SCM Glidco Organics Corp.				
	Methyl pentachlorostearate	(¹)		(¹)	
	Vanchem, Inc.				
	Methyl pivalate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Mixed wool grease and tall oil fatty acids	(¹)	(¹)	(¹)	
	Salem Oil & Grease Co.				
	Monohydric alcohol esters, all other	(¹)	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Exxon Chemical Americas				
	Hampshire Chemical Corp., Evans Chemetics				
	Henkel Corp.				
	Scher Chemicals, Inc.				
	Myristic acid esters, all other	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29159050 —Continued					
Chemical description/Manufacturer—Continued					
	Caschem, Inc.				
	Union Camp Corp., Chemical Div.				
	Myristyl myristate	(¹)		(¹)	
	ISP Van Dyk, Inc.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Neodecanoic acid, potassium salt	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Quaker Chemical Corp.				
	Neodecanoic acid salts, all other	(¹)	(¹)		
	Mooney Chemicals, Inc.				
	Quaker Chemical Corp.				
	Neodecanoic acid, sodium salt			(¹)	
	Quaker Chemical Corp.				
	Neodecanoyl chloride	1,480	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	PPG Industries, Inc.				
	Witco Corp.				
	Neohexanoic acid, sodium salt	(¹)			
	Elf Atochem North America, Inc.				
	Witco Corp.				
	Neopentylglycol hydroxypivalate	(¹)	(¹)	(¹)	
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Nickel 2-ethylhexanoate	(¹)	(¹)		
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	(¹)	(¹)	(¹)	
	Witco Corp.				
	n-Octanesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	Octanoic acid (Caprylic acid) salts, all other	(¹)		(¹)	
	Hart Products Corp.				
	Pelargonic acid, barium salt (Barium nonoate)		(¹)	(¹)	
	Synthetic Products Co.				
	Pelargonic acid, calcium salt (Calcium nonoate)	(¹)	(¹)	(¹)	
	Synthetic Products Co.				
	Pelargonic acid esters, all other			(¹)	
	Inolex Chemical Co.				
	Mobil Oil Corp., Chemical Products Div.				
	Scher Chemicals, Inc.				
	Pentaerythritol tetraoctanoate		(¹)	(¹)	
	Lonza, Inc.				
	Pentaerythritol tetrastearate	(¹)	(¹)		
	Hercules, Inc.				
	Lonza, Inc.				
	Peroxyacetic acid (Peracetic acid)		(¹)		
	Company not disclosed				
	Polyhydric alcohol esters, all other	(¹)	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	Eastman Kodak Co.				
	Henkel Corp.				
	Lonza, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Vanchem, Inc.				
	Potassium 2-ethylhexanoate	(¹)	(¹)	(¹)	
	Akros Chemicals America				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29159050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Mooney Chemicals, Inc.				
	Pe/ron Corp.				
	Shepherd Chemical Co.				
	Witco Corp.				
	1,2-Propanediol monolaurate	(1)	(1)	(1)	
	Ca/gene Chemical, Inc.				
	Scher Chemicals, Inc.				
	Stepan Co.				
	Propionic anhydride	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Propylene glycol dicaprylatecaprate	(1)	(1)	(1)	
	Texaco Chemical Co.				
	Rare earths 2-ethylhexanoate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Rare earths neodecanoate		(1)	(1)	
	Mooney Chemicals, Inc.				
	Sodium caprylate	(1)		(1)	
	Napp Technologies, Inc.				
	Sodium 2-ethylhexanoate	(1)	(1)	(1)	
	Akcros Chemicals America				
	Tertiary amyl per-2-ethylhexanoate	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Witco Corp.				
	1-Tetradecylpropionate	(1)		(1)	
	Lonza, Inc.				
	Tetraethylene glycol di(2-ethylhexanoate)	(1)	(1)	(1)	
	C.P. Hall Co.				
	Tridecyl alcohol, ethoxylated and carbonated, sodium salt	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Triethylene glycol dicaprylate-caprate			(1)	
	C.P. Hall Co.				
	Triethylene glycol di(2-ethylbutyrate)		(1)	(1)	
	C.P. Hall Co.				
	Triethylene glycol di(2-ethylhexanoate)		(1)	(1)	
	C.P. Hall Co.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Trifluoroacetic anhydride		(1)	(1)	
	Halocarbon Products Corp.				
	Trifluoroacetyl chloride	(1)	(1)	(1)	
	Halocarbon Products Corp.				
	Zinc t-a-alkylcarboxylate		(1)	(1)	
	Mooney Chemicals, Inc.				
	Zinc neodecanoate	(1)	(1)	(1)	
	Shepherd Chemical Co.				
	Zirconium t-aa-alkylcarboxylate			(1)	
	Mooney Chemicals, Inc.				
	Zirconium 2-ethylhexanoate		(1)	(1)	
	Akcros Chemicals America				
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Troy Chemical Corp.				
	Zirconium neodecanoate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Residual Total	181,889	86,609	206,130	\$ 2.38
2915XX	HTS Level Residual Total	864,565	250,909	228,523	0.91
2916	Unsaturated acyclic monocarboxylic acids, cyclic monocarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	840,447	1,162,698	1.38

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
291611	Acrylic acid and its salts	589,579	180,430	183,465	\$ 1.02
29161100	Acrylic acid and its salts	589,579	180,430	183,465	1.02
	Acrylic acid	589,579	180,430	183,465	1.02
	BASF Corp, (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
291612	Esters of acrylic acid	(¹)	(¹)	(¹)	
29161 210	Aromatic esters of acrylic acid	(¹)	(¹)	(¹)	
	Phenoxyethyl acrylate	(¹)			
	CPS Chemical Co., Inc.				
	Residual Total	(¹)		(¹)	
291612 50	Nonaromatic esters of acrylic acid	602,745	287,683	315,879	1.10
	Butyl acrylate	340,035	135,466	139,285	1.03
	BASF Corp, (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Ethyl acrylate	160,345	62,857	57,925	0.92
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	2-Ethyl-1-hexyl acrylate	62,480	51,104	59,315	1.16
	BASF Corp, (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc.				
	PPG Industries, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Hexyl acrylate		(¹)	(¹)	
	CPS Chemical Co., Inc.				
	Exxon Chemical Americas				
	Hydroxyethyl acrylate	(¹)	(¹)	(¹)	
	Dow Chemical Co.				
	Rohm & Haas Co.				
	Hydroxypropyl acrylate	(¹)	(¹)		
	Dow Chemical Co.				
	Rohm & Haas Co.				
	Isobutyl acrylate		(¹)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Isodecyl acrylate	718	582	2,350	4.04
	CPS Chemical Co., Inc.				
	Company not disclosed				
	Rhone Poulenc, Inc.				
	Isooctyl acrylate	(¹)		(¹)	
	Rhone Poulenc, Inc.				
	Lauryl acrylate	(¹)	(¹)	(¹)	
	CPS Chemical Co., Inc.				
	2-Methoxyethyl acrylate	(¹)	(¹)	(¹)	
	CPS Chemical Co., Inc.				
	Methyl acrylate, monomer	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Pentaerythritol tetraacrylate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Trimethylolpropane triacrylate	(¹)	(¹)	(¹)	
	CPS Chemical Co., Inc.				
	Company not disclosed				
	Tripropylene glycol diacrylate	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>CPS Chemical Co., Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Henkel Corp.</i>				
	Residual Total	39,167	37,675	57,004	\$ 1.51
291613	Methacrylic acid and its salts	26,618	(¹)	(¹)	
29161300	Methacrylic acid and its salts	26,618	(¹)	(¹)	
	Carboxyethyl acrylate	(¹)			
	<i>Rhone Poulenc, Inc.</i>				
	Dicyclopentadienyl acrylate				
	<i>Rhone Poulenc, Inc.</i>				
	Hydroxyethyl methacrylate	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>				
	Isobornyl acrylate			(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Methacrylic acid		23,508	42,809	1.82
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Rohm & Haas Co.</i>				
	Residual Total	26,618	(1)	(1)	
291614	Esters of methacrylic acid	576,235	112,774	150,045	1.33
29161400	Esters of methacrylic acid	576,235	112,774	150,045	1.33
	Allyl methacrylate			(1)	
	<i>CPS Chemical Co., Inc.</i>				
	1,3-Butylene glycol dimethacrylate	(1)	(1)		
	<i>CPS Chemical Co., Inc.</i>				
	Butyl methacrylate	26,097	10,589	17,610	1.66
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Rohm & Haas Co.</i>				
	Cetyloicosyl methacrylate	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>				
	Dicyclopentadienyl methacrylate		(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Diethylene glycol dimethacrylate	(1)		(1)	
	<i>CPS Chemical Co., Inc.</i>				
	Dodecylpentadecyl methacrylate	(1)	(1)		
	<i>Rohm & Haas Co.</i>				
	Ethylene glycol dimethacrylate		(1)	(1)	
	<i>CPS Chemical Co., Inc.</i>				
	2-Ethyl-1-hexyl methacrylate	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	cis-3-Hexenyl tiglate		(¹)	(1)	
	<i>Fragrance Resources, Inc.</i>				
	Hydroxyethyl methacrylate	(¹)			
	<i>Rhone Poulenc, Inc.</i>				
	Hydroxypropyl methacrylate			(¹)	
	<i>Rohm & Haas Co.</i>				
	Isobornyl methacrylate		(1)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Isobutyl methacrylate	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Rohm & Haas Co.</i>				
	Isodecyl methacrylate	(1)	(1)	(1)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Rohm & Hans Co.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29161400 —Continued</i>					
	Lauryl methacrylate <i>CPS Chemical Co., Inc.</i> <i>Rohm & Haas Co.</i>	(¹)		(¹)	
	Methyl methacrylate, monomer <i>CYRO Industries</i> <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Rohm & Haas Co.</i>	520,829	91,489	97,913	\$ 1.07
	Polymethacrylic acid esters <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>		(¹)	(¹)	
	Stearyl methacrylate <i>CPS Chemical Co., Inc.</i> <i>Rohm & Haas Co.</i> <i>Texaco Chemical Co.</i>		(¹)	(¹)	
	Trimethylolpropane trimethacrylate <i>CPS Chemical Co., Inc.</i> <i>Company not disclosed</i>	(¹)	(¹)		
	Residual Total	29,308	10,696	34,522	3.23
291615	Oleic, linoleic or linolenic acids, their salts and esters		(¹)		
29161510	Oleic, linoleic or linolenic acids		(¹)	(¹)	
	Oleic Acid <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)		(¹)	
29161550	Salts and esters of oleic, linoleic or linolenic acids	34,804	35,951	52,232	1.45
	Anhydrosorbitol mono-oleate <i>Ca/gene Chemical, Inc.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Lonza, Inc.</i> <i>PPG Industries, Inc.</i>	4,170		(¹)	
	Anhydrosorbitol sesquioleate <i>Lonza, Inc.</i>	(¹)	(¹)		
	2-Butoxyethyl oleate <i>C.P. Hall Co.</i> <i>Chemol Co.</i>	(¹)	(¹)	(¹)	
	Butyl oleate <i>C.P. Hall Co.</i> <i>Chemol Co.</i> <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i> <i>Henkel Corp.</i> <i>Union Camp Corp., Chemical Div.</i> <i>Witco Corp.</i>	1,142	1,059	1,398	1.32
	Butyl oleate, sulfated, sodium salt <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Marlowe Van Loan Corp.</i> <i>National Starch & Chemical Co.</i>	(¹)	(¹)	(¹)	
	Calcium oleate <i>Sybron Chemicals, Inc.</i>	(¹)	(¹)		
	Decyl oleate <i>ISP Van Dyk, Inc.</i> <i>Scher Chemicals, Inc.</i>	(¹)	(¹)	(⁹)	
	Diethylene glycol mono-oleate <i>Company not disclosed</i> <i>Henkel Corp.</i> <i>Lonza, Inc.</i>	90	(¹)	(¹)	
	Ethoxylated anhydrosorbitol mono-oleate <i>Ca/gene Chemical, Inc.</i>	4,354	4,210	9,049	2.15

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161550 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Croda, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	Ethoxylated anhydrosorbitol trioleate	(¹)	(¹)	(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	Ethoxylated sorbitol hexaoleate	(¹)		(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol mono-oleate		(¹)	(¹)	
	<i>Grant Industries, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol oleate, acetylated		(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol tetraoleate	(¹)			
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	2-Ethylhexyl oleate	(¹)	(¹)	(¹)	
	<i>C.P. Hall Co.</i>				
	Glycerol mono-oleate	4,552	4,530	4,998	S 1.10
	<i>C.P. Hall Co.</i>				
	<i>Ca/gene Chemical, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Houghton International, Inc.</i>				
	<i>Karlshamns, USA</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Stapan Co.</i>				
	<i>Witco Corp.</i>				
	Glycerol trioleate	(1)	(1)	(¹)	
	<i>Karlshamns, USA</i>				
	Glyceryl trioleate (Triolein)	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Isobutyl oleate	(¹)	(¹)		
	<i>Scher Chemicals, Inc.</i>				
	Iso-octyl oleate	(1)	(¹)	(¹)	
	<i>C.P. Hall Co.</i>				
	Lead oleate	(¹)		(¹)	
	<i>Witco Corp.</i>				
	Methyl oleate	(1)	(1)	(1)	
	<i>Chemol Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Methyl oleate, sulfated, sodium salt	(¹)		(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Neopentyl glycol oleate	(¹)	(1)	(1)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Quaker Chemical Corp.</i>				
	Oleic acid esters, all other	(1)	(1)		
	<i>C.P. Hall Co.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Henkel Corp.</i>				
	Oleic acid, morpholine salt		(1)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161550 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Company not disclosed</i>				
	Oleic acid, potassium salt	98	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Emkay Chemical Co.</i>				
	<i>Huntington Laboratories, Inc.</i>				
	<i>Original Bradford Soap Works, Inc.</i>				
	Oleic acid, sodium salt	39	(¹)	(¹)	
	<i>Hart Products Corp.</i>				
	<i>NAM/CO, Inc.</i>				
	<i>Original Bradford Soap Works, Inc.</i>				
	<i>Quaker Chemical Corp.</i>				
	Oleic acid, sulfated	(¹)		(¹)	
	<i>Climax Performance Materials Corp.</i>				
	Oleic acid, sulfated, disodium salt	(1)	(1)	(1)	
	<i>BIT Manufacturing, Inc.</i>				
	<i>Stockhausen, Inc.</i>				
	Oleyl oleate	(1)	(1)	(¹)	
	<i>Caschem, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	1,2-Propanediol mono-oleate	(1)	(1)	(¹)	
	<i>Houghton International, Inc.</i>				
	Trimethylolpropane trioleate (TMP trioleate)	(¹)		(1)	
	<i>Houghton International, Inc.</i>				
	<i>Quaker Chemical Corp.</i>				
	Residual Total	20,359	23,057	36,787	\$ 1.60
291619	Unsaturated acyclic monocarboxylic acids and cyclic monocarboxylic acids; and their derivatives, nesi	8,607	4,477	37,468	8.37
29161950	Unsaturated acyclic monocarboxylic acid anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	8,607	4,477	37,468	8.37
	Allyl heptanoate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Allyl hexanoate		(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Allyl sulfonate, sodium sett	(¹)	(¹)	(¹)	
	<i>Ardmore, Inc.</i>				
	Anhydrosorbitol dioleate		(¹)		
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Anhydrosorbitol trioleate	(¹)	(¹)	(¹)	
	<i>Ca/gene Chemical, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	2,2-Bis(bromomethyl)-1,3-propanediol		(¹)	(¹)	
	<i>Ethyl Corp.</i>				
	343-4-Bromo(1,1'-biphenyl-4-yl)-3-hydroxy-1-phenylpropyl-4-hydroxy-2h-1-benzopyran-2-one	(¹)	(¹)	(¹)	
	<i>Motomco, Ltd.</i>				
	Calcium undecylenate		(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Canrenoate, potassium	(¹)	(¹)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Crotonic acid (2-Butenoic acid)	(¹)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	3,7-Dimethyl-1,6-octadien-3-yl isobutyrate (Linalyl isobutyrate)		(1)	(1)	

See endnotes at end of table.

Table 3-1 -- Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161950 -- Continued					
<i>Chemical description/Manufacturer -- Continued</i>					
	Givaudan Corp. 3,7-Dimethyl-1,6-octadien-3-yl propionate (Linalyl propionate)			(1)	
	Givaudan Corp. Ethyl 3,7,11-trimethyldodeca-2,4-dienoate	(1)	(1)	(1)	
	Dow Chemical Co. Sandoz Agro, Inc. Glycerol monoricinoleate	(1)		(1)	
	Ca/gene Chemical, Inc. Lonza, Inc. Methyl 3,3-dimethyl-4-pentenoate	(1)	(1)	(1)	
	FMC Corp., Agricultural Chemical Group Methyl esters of tallow	2,132	534	328	\$ 0.61
	Chemo/ Co. Company not disclosed Ferro Corp., Keil Chemical Div. Witco Corp. Methyl ricinoleate, methylated	(1)	(1)	(1)	
	Fragrance Resources, Inc. Propylene glycol monoricinoleate	(1)	(1)	(1)	
	Caschem, Inc. Trimethylolpropane nonenat	(1)		(1)	
	Quaker Chemical Corp. Tri and tetraacrylate monomers, other	(1)	(1)	(1)	
	Sequa Chemicals, Inc. Zinc undecylenate	(1)	(1)	(1)	
	Elf Atochem North America, Inc. Elf Atochem North America, Inc. Residual Total	6,475	3,943	37,140	9.42
291620	Cyclanic, cyclonic or cycloterpenic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	102,221	(1)	(1)	
29162000	Cyclanic, cyclonic or cycloterpenic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	102,221	(1)	(1)	
	Barium zinc tallate	(1)	(1)	(1)	
	Westvaco Corp. Cadmium tallate		(1)	(1)	
	Akcros Chemicals America Calcium manganese tallate	(1)	(1)	19	
	Mooney Chemicals, Inc. Shepherd Chemical Co. Calcium tallate	(1)	(1)	(1)	
	Company not disclosed Company not disclosed Cobalt manganese tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc. Shepherd Chemical Co. Cobalt tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc. Shepherd Chemical Co. Copper tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc. Cyclopropane carboxylic acid, 1-methylpropyl ester		(1)	(1)	
	Ciba Geigy Corp. cis trans-I +1-3-(2,2-Dichloroethenyl)-2,2-dimethyl-,(S)-cyano(3-phenoxyphenyl) methyl cyclopropanecarboxylate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29162000 —Continued					
Chemical description/Manufacturer—Continued					
	FMC Corp., Agricultural Chemical Group				
	1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride (Chlorendic anhydride)	(¹)	(¹)	(¹)	
	Olin Corp.				
	Velsicol Chemical Corp.				
	Iron tallate	(¹)	I ¹)	I ¹)	
	Company not disclosed				
	Manganese tallate	(I)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	I ¹)	(¹)	I ¹)	
	FMC Corp., Agricultural Chemical Group				
	3-(Phenoxyphenyl) methyl-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	I ¹)	I ¹)	I ¹)	
	Company not disclosed				
	FMC Corp., Agricultural Chemical Group				
	Rosin/fatty acid mixtures	(¹)	(¹)	I ¹)	
	Arizona Chemical Co.				
	Rosin/fatty acid/pitch mixtures	(¹)	I ¹)	I ¹)	
	Arizona Chemical Co.				
	Tall oil, chemically modified	(I)	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	Riverdale Industries, Inc.				
	Westvaco Corp.				
	Tall oil monomer	(¹)	II	I ¹)	
	Witco Corp.				
	Tall oil: Neopentyl glycol tallate	(¹)	(¹)	(I)	
	Quaker Chemical Corp.				
	12116il: Pentaerythritol tallate	I ¹)	I ¹)	(¹)	
	Houghton International, Inc.				
	Tall oil salts, all other (Linoleic-rosin acid salts)		78	PI	(¹)
	Akros Chemicals America				
	Company not disclosed				
	Mooney Chemicals, Inc.				
	Quaker Chemical Corp.				
	Zinc tallate	I ¹)			
	Akros Chemicals America				
	Mooney Chemicals, Inc.				
	Witco Corp.				
	Residual Total	102,143	(¹)	(¹)	
291631	Benzoic acid, its salts and esters	(¹)	(¹)	(I)	
29163110	Benzoic acid and its salts	(¹)	(¹)	(9	
	Barium benzoate	(I)	(¹)	V)	
	Ferro Corp., Bedford Chemical Div.				
	Benzoic acid	(¹)	(I)	(¹)	
	Kalama Chemical, Inc.				
	Benzoic acid salts, all other	PI	<	(¹)	
	Ferro Corp., Bedford Chemical Div.				
	Benzoic acid, tech.	III	PI	PI	
	Kalama Chemical, Inc.				
	Velsicol Chemical Corp.				
	Potassium benzoate		3,760	5,897	\$ 1.57
	Ducoa, L.P.				
	Kalama Chemical, Inc.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29163110 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Pfizer, Inc.				
	Syntex Agribusiness, Inc.				
	Sodium benzoate	(¹)	21,554	26,124	S 1.21
	Ducoa, L.P.				
	Honig Chemical & Processing Corp.				
	Jarchem Industries, Inc.				
	Kalama Chemical, Inc.				
	Pfizer, Inc.				
	Syntex Agribusiness, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
29163120	Odoriferous or flavoring compounds of benzoic acid esters				
	Isopentyl benzoate	(¹)	(¹)	(¹)	
	Givaudan Corp.				
	Methyl benzoate	(¹)	(¹)	(¹)	
	Cape Industries				
	Morflex, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
29163130	Benzoic acid esters, except odoriferous or flavoring compounds, described in additional U.S. note 3 to section VI				
	t-Amyl peroxybenzoate	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Butamben	(I)	(I)	(I)	
	Abbott Laboratories				
	Diethylene glycol dibenzoate	(¹)	(¹)	(¹)	
	Kalama Chemical, Inc.				
	Unitex Chemical Corp.				
	Velsicol Chemical Corp.				
	Dipropanediol dibenzoate (Dipropylene glycol dibenzoate)		(¹)	(¹)	
	Kalama Chemical, Inc.				
	Velsicol Chemical Corp.				
	Polyethylene glycol dibenzoate	(¹)	(¹)	(¹)	
	Velsicol Chemical Corp.				
	m-Sulfobenzoic acid, monosodium salt	(¹)	(¹)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Residual Total	(¹)	(I)	(¹)	
29163150	Benzoic acid esters, nesi	3,522	2,116	4,965	2.35
	Benzoic acid, butyl ester (Butyl benzoate)	(¹)		(¹)	
	Piedmont Chemical Industries, Inc.				
	Unitex Chemical Corp.				
	Benzoic acid, C ₁₂ -C ₅ ester	(¹)	(¹)	(¹)	
	Finetex, Inc.				
	Benzoic acid esters, all other	(¹)	(I)	(I)	
	Finetex, Inc.				
	2-Butoxyethyl benzoate (Butyl cellosolve benzoate)	(¹)	(I)	(I)	
	Company not disclosed				
	Ethopabate		(I)	(I)	
	Merck & Co., Inc.				
	2-Ethylhexyl benzoate	(I)	(I)	(¹)	
	Burlington Industries				
	High Point Chemical Corp.				
	p-Hydroxybenzoic acid	(¹)	(¹)	(¹)	
	Napp Technologies, Inc.				
	o-Iodobenzoic acid	(¹)	(I)	(I)	
	RSA Corp.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29163150 —Continued</i>					
	Methyl p-formylbenzoate <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)		(¹)	
	Oxyluminum benzoate <i>Chattem, Inc.</i>	(¹)	(¹)		
	Phenylethyl benzoate <i>International Flavors & Fragrances, Inc.</i>	(¹)	(¹)	(¹)	
	Propylene glycol dibenzoate <i>Velsicol Chemical Corp.</i>	(¹)		(¹)	
	Resorcinol monobenzoate <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	Sucrose benzoate <i>Velsicol Chemical Corp.</i>	(¹)	(1)	(1)	
	Trimethylpentanediol dibenzoate <i>Velsicol Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	3,522	2,116	4,965	\$ 2.35
291632	Benzoyl peroxide and benzoyl chloride	(¹)	(¹)	(¹)	
29163210	Benzoyl peroxide	6,189	4,608	25,062	5.44
	Benzoyl peroxide <i>Akzo Chemicals, Inc.</i> <i>Aztec Catalyst Co.</i> <i>Elf Atochem North America, Inc.</i> <i>Norac Co., Inc.</i> <i>Reichhold Chemicals, Inc.</i>	6,189	4,608	25,062	5.44
29163220	Benzoyl chloride	(¹)	(¹)	(¹)	
	Benzoyl chloride <i>Occidental Chemical Corp., Chemical Group</i> <i>Velsicol Chemical Corp.</i>	(¹)	(1)	(1)	
	Residual Total		(¹)	(¹)	
291633	Phenylacetic acid, its salts and esters	29	18	322	17.61
29163320	Odoriferous or flavoring compounds of phenylacetic acid, its salts and esters	29	18	322	17.61
	3,7-Dimethyl-2,6-octadienyl phenylacetate (Geranyl phenylacetate) <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	Isoamyl phenylacetate <i>Elan Chemical Co.</i>		(¹)		
	2-Phenethyl phenylacetate <i>Elan Chemical Co.</i> <i>Fragrance Resources, Inc.</i> <i>International Flavors & Fragrances, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	29	18	322	17.61
291639	Unsaturated aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nest	19,854	10,038	95,359	9.50
29163910	Benzoic anhydride; tert-butyl peroxybenzoate; and other specified aromatic monocarboxylic acids or their derivatives	(¹)	(¹)	(¹)	
	tert-Butyl peroxybenzoate <i>Aztec Catalyst Co.</i> <i>Elf Atochem North America, Inc.</i> <i>Norac Co., Inc.</i> <i>Witco Corp.</i>	1,963	1,905	8,877	4.66
	Ibuprofen <i>Ethyl Corp.</i> <i>Mallinckrodt Chemical, Inc. (Raleigh)</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29163920	Odoriferous or flavoring compounds of aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and derivatives	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29163920 — Continued					
	Ethyl-a,\$-epoxy-P-methylhydrocinnamate <i>Elan Chemical Co.</i>		(¹)		
	2-Ethylhexyl-p-methoxy cinnamate <i>Company not disclosed</i> <i>Haarmann & Reimer Corp.</i> <i>ISP Van Dyk, Inc.</i>	944	(¹)		
	Residual Total	(¹)	(¹)	(¹)	
29163940	Aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids & their derivatives nesl, in add. U.S. note 3 to sec. VI	2,130	2,124	7,896	\$ 3.72
	Benzoic acid <i>Haarmann & Reimer Corp.</i> <i>Kalama Chemical, Inc.</i> <i>Morflex, Inc.</i>	(¹)		(9)	
	3,5-Dinitrobenzoic acid <i>Salsbury Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Flurbiprofen <i>Company not disclosed</i> <i>Upjohn Co.</i>	(1)	(1)	(1)	
	Homomenthol salicylate <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	o-Methylbenzoyl chloride <i>Twin Lake Chemical, Inc.</i>	(¹)	(¹)	19	
	p-Nitrobenzylacetoacetate <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	m-Toluic acid <i>Witco Corp.</i>	(1)		(1)	
	p-Toluic acid, methyl ester <i>Cape Industries</i>	(¹)	(¹)	(¹)	
	Residual Total	2,130	2,124	6,468	3.05
29163970	HIS Level Residual Total	11,985	2,594	14,310	5.52
	Benzoic acid, isodecyl ester <i>Velsicol Chemical Corp.</i>	19	(¹)	(¹)	
	Bis(2,4-dichlorobenzoyl) peroxide <i>Bristol Myers Squibb Co.</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	tert-Butyl 4-(or 5)-chloro-2-methylcyclohexanecarboxylate (Trimedlure) <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Cadmium benzoate <i>Akcros Chemicals America</i>		(¹)	(¹)	
	2,5-Di(benzoyl peroxy)-2,5-dimethylhexane <i>Aztec Catalyst Co.</i>	(¹)	(¹)	(¹)	
	2,4-Dimethylbenzene sulfonic acid <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(1)		
	Ketoprofen <i>Wyckoff Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Morpholine salt of p-toluene sulfonic acid <i>American Bio Synthetics Corp.</i>	(¹)	(¹)	(¹)	
	1-Naphthaleneacetic acid, ethyl ester <i>AMVAC Chemical Corp.</i>	(¹)		(1)	
	1-Naphthaleneacetic acid (NAA) <i>AMVAC Chemical Corp.</i>	(1)		(1)	
	1-Naphthaleneacetic acid, sodium salt <i>AMVAC Chemical Corp.</i>	(1)	(1)		
	Naphthenic acid, copper salt <i>Akcros Chemicals America</i>	(9)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29163970 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Huls America, Inc.				
	Mooney Chemicals, Inc.				
	Troy Chemical Corp.				
	m-Nitrobenzoic acid	(1)	(1)	(1)	
	Hilton Davis Chemical Co.				
	Salsbury Chemicals, Inc.				
	o-Nitrobenzoic acid	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	p-Nitrobenzoic acid	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	m-Nitrobenzoic acid, sodium salt	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	4'-Nitro-4-biphenylcarboxylic acid		(1)	(1)	
	Great Lakes Chemical Corp.				
	Propyl gallate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Sulindac	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Residual Total	11,985	2,594	14,310	\$ 5.52
291639XX	HTS Level Residual Total			73,154	
2916XX	HTS Level Residual Total				
2917	Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	5, 671, 225	1)	(1)	
291711	Oxalic acid, its salts and esters	74	58	387	6.62
29171100	Oxalic acid, its salts and esters	74	58	387	6.62
	Ammonium oxalate	(1)	(1)	(1)	
	Hummel Crofton, Inc.				
	J. T. Baker Chemical Co.				
	Copper oxalate	(1)	(1)	(1)	
	Shepherd Chemical Co.				
	Diethyl oxalate (Ethyl oxalate)	(1)	(1)	(1)	
	Company not disclosed				
	Potassium oxalate	(1)	(1)	(1)	
	Hummel Crofton, Inc.				
	J. T. Baker Chemical Co.				
	Sodium oxalate	(1)	(1)	(1)	
	GFS Chemicals, Inc.				
	Hummel Crofton, Inc.				
	Vanadium oxalate	(1)	(1)	(1)	
	Shepherd Chemical Co.				
	Residual Total	74	58	387	6.62
291712	Adipic acid, its salts and esters	(1)	200,492	275,555	1.37
29171210	Adipic acid	(1)	(1)	(1)	
	Adipic acid	(1)		(1)	
	C. P. Hall Co.				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Monsanto Co.				
	Residual Total			(1)	
29171220	Plasticizers of adipic acid salts and esters	90,845	69,122	127,353	1.84
	Adipic acid esters, all others	(1)	9,098	19,033	2.09
	C.P. Hall Co.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Inolex Chemical Co.				
	Mobil Oil Corp., Chemical Products Div.				
	Witco Corp.				
	Adipic acid type complex linear polyesters and polymeric plasticizers	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171220 —Continued					
Chemical description/Manufacturer—Continued					
	C.P. Hall Co.				
	Cambridge Industries of America, Inc.				
	Henkel Corp.				
	Teknor Apex Co.				
	Union Camp Corp., Chemical Div.				
	Witco Corp.				
	Butylene glycol adipate	(¹)	(¹)	(1)	
	C.P. Hall Co.				
	Di(2-(2-butoxyethoxy)ethyl) adipate	(1)	(1)	(¹)	
	C.P. Hall Co.				
	Monsanto Co.				
	Dibutoxyethyl adipate	(¹)	(1)	(1)	
	C.P. Hall Co.				
	Di(2-ethylhexyl) adipate	21,050	24,296	31,659	\$ 1.30
	Aristech Chemical Corp.				
	C.P. Hall Co.				
	Caschem, Inc.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Exxon Chemical Americas				
	Huls America, Inc.				
	Monsanto Co.				
	Diisobutyl adipate	(1)	(¹)	(¹)	
	C.P. Hall Co.				
	Dixie Chemical Co., Inc.				
	Morton International, Inc., Morton Chemical Div.				
	Unitex Chemical Corp.				
	Witco Corp.				
	Diisodecyl adipate	(1)			
	C.P. Hall Co.				
	Hatco Chemical Co.				
	Huls America, Inc.				
	Diisononyl adipate	(1)	(¹)		
	Aristech Chemical Corp.				
	Teknor Apex Co.				
	Diiso-octyl adipate	(¹)	(¹)	(¹)	
	C.P. Hall Co.				
	Mobil Oil Corp., Chemical Products Div.				
	Diisopropyl adipate	(1)	(¹)	(¹)	
	ISP Van Dyk, Inc.				
	Scher Chemicals, Inc.				
	Union Camp Corp., Chemical Div.				
	Dimethyl adipate	(1)	(1)	(1)	
	Company not disclosed				
	Morflex, Inc.				
	Di-n-octyl adipate	(¹)	(1)	(¹)	
	Union Camp Corp., Chemical Div.				
	Di-tridecyl adipate	(¹)	(¹)	(¹)	
	Huls America, Inc.				
	Ethylene glycol adipate	(¹)	(1)	(1)	
	C.P. Hall Co.				
	Residual Total	69,795	35,728	26,135	0.73
29171250	Adipic acid Batts and esters, nest	(¹)			
	Adipic acid, ammonium salt	(¹)	(¹)		
	Allied Signal, Inc., Engineered Materials Sector				
	Adipic dihydrazide	(1)	(1)	(1)	
	Fairmount Chemical Co., Inc.				
	Diethylene glycol adipate	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29171250 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>C.P. Hall Co.</i>				
	Residual Total	(1)	(1)	(1)	
291712XX	HTS Level Residual Total	(1)	131,370	148,202	\$ 1.13
291713	Azelaic acid, sebacic acid, their salts and esters	(1)	(1)	(1)	
29171300	Azelaic acid, sebacic acid, their salts and esters	(1)		(1)	
	Azelaic acid	(1)		(1)	
	<i>Henkel Corp.</i>				
	Azelaic acid esters, all others				
	<i>Henkel Corp.</i>				
	Di(2-ethylhexyl) azelate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Henkel Corp.</i>				
	Sebacic acid		(1)	(1)	
	<i>Union Camp Corp., Chemical Div.</i>				
	Residual Total	(1)	(1)	(1)	
291714	Maleic anhydride	162,581	151,909	129,433	0.85
29171410	Maleic anhydride derived in whole or in part from benzene or other aromatic hydrocarbons	162,581	151,909	129,433	0.85
	Maleic anhydride	162,581	151,909	129,433	0.85
	<i>AMOCO Chemical Co.</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Ashland Chemical, Inc. (Columbus, OH)</i>				
	<i>Miles, Inc. Houston Div.</i>				
	<i>Monsanto Co.</i>				
291719	Acyclic polycarboxylic acids, and their anhydrides, halides, peroxides, peroxyacids and their salts and esters, nesi	85,055	(1)	(1)	
29171915	Fumaric acid, derived in whole or in part from aromatic hydrocarbons	(1)	13,938	14,052	1.01
	Fumaric acid	(1)	13,938	14,052	1.01
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Monsanto Co.</i>				
	<i>Pfizer, Inc.</i>				
	Residual Total			(1)	
29171920	Specified acyclic polycarboxylic acids and their derivatives, described in additional U.S. note 3 to section VI			(1)	
	Diethyl succinate	(1)	(1)	(1)	
	<i>Morfiex, Inc.</i>				
	glutaric acid esters, all other	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Neopentyl glycol glutarate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Residual Total	(1)		(1)	
29171927	Succinic acid, glutaric acid and their derivatives, and derivatives of adipic, fumerica and maleic acids, nesi	8,324	7,448	13,971	1.88
	tert-Butyl peroxy Maleic acid	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Diallyl maleate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Dibutyl maleate	(1)	(1)	(1)	
	<i>Aristech Chemical Corp.</i>				
	Di(2-ethyl-1-hexyl) maleate	(1)	(1)	(1)	
	<i>C. H. Patrick & Co., Inc.</i>				
	Diocetyl maleate	(1)	(1)	(1)	
	<i>Aristech Chemical Corp.</i>				
	<i>Huls America, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171927 —Continued					
Chemical description/Manufacturer—Continued					
	Ditridecyl maleate <i>Houghton International, Inc.</i>	(¹)	(¹)	(¹)	
	Dodecyl succinic anhydride <i>Milliken & Co., Milliken Chemical Div.</i>	(¹)		(¹)	
	Ethyl maleate, mono <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Glycerol maleate mono-oleate <i>ICI Americas, Inc., Specialty Chemicals Div.</i>		(1)	(1)	
	Residual Total	8,324	7,448	13,971	\$ 1.88
29171950	Nonaromatic acyclic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nest	62,878	43,627	107,225	2.46
	Alkenyl succinic acid <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Alkenyl succinic anhydride ester <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Alkyl succinic anhydride <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Dibutoxyethyl sebacate <i>C.P. Hall Co.</i>	(¹)	(1)	(1)	
	Dibutyl sebacate• <i>C.P. Hall Co.</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Di-(2-ethylhexyl) peroxydicarbonate <i>Elf Atochem North America, Inc.</i> <i>Witco Corp.</i>	(1)	(¹)	(¹)	
	Di(2-ethylhexyl) sebacate <i>C.P. Hall Co.</i> <i>Company not disclosed</i> <i>Teknor Apex Co.</i>	(¹)	(¹)	(¹)	
	Diethyl sebacate <i>Elan Chemical Co.</i>	(¹)	(1)	(1)	
	Diisopropyl dimerate <i>Scher Chemicals, Inc.</i>		(¹)		
	Diisopropyl sebacate <i>Company not disclosed</i> <i>Scher Chemicals, Inc.</i>	(1)	(1)		
	Diisostearyl dimerate <i>Scher Chemicals, Inc.</i>	(1)		(1)	
	Dimer acid (C ₃₆ aliphatic dibasic acid) <i>Arizona Chemical Co.</i> <i>Henkel Corp.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Dimethyl sebacate <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Unitex Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Dodecanedioic acid <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i> <i>Ferro Corp., Keil Chemical Div.</i>		(¹)	(¹)	
	Dodecenylsuccinic anhydride <i>Dixie Chemical Co., Inc.</i> <i>Humphrey Chemical Co.</i>			(¹)	
	Glucosheptonic acid, fl-isomer, sodium salt <i>Belzak Corp.</i>	(¹)	(¹)	(¹)	
	Glucosheptonic acid, sodium salt <i>Belzak Corp.</i>	(¹)	(1)	(1)	
	n-Hexadecenylsuccinic anhydride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29171950 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Humphrey Chemical Co.</i>				
	Iso-hexadecenyl succinic anhydride <i>Dixie Chemical Co., Inc.</i>		(¹)		
	Iso-octadecenylsuccinic anhydride <i>Dixie Chemical Co., Inc.</i> <i>Humphrey Chemical Co.</i>	(¹)	(¹)	(¹)	
	Itaconic acid (Methylenesuccinic acid) <i>Pfizer, Inc.</i>	(¹)	(¹)	(I)	
	Nonenylsuccinic anhydride <i>Humphrey Chemical Co.</i>	(I)	(¹)	(¹)	
	Octadecenyl succinic anhydride <i>Humphrey Chemical Co.</i> <i>Milliken & Co., Milliken Chemical Div.</i>			(¹)	
	Octenylsuccinic anhydride <i>Dixie Chemical Co., Inc.</i> <i>Humphrey Chemical Co.</i> <i>Milliken & Co., Milliken Chemical Div.</i>	(¹)		(¹)	
	Propylene glycol sebacate <i>C.P. Hall Co.</i>	(¹)		(¹)	
	Succinic anhydride <i>Buffalo Color Corp.</i>				
	All other succinic anhydride derivatives <i>Company not disclosed</i> <i>Ethyl Corp.</i>		(¹)	(I)	
	Sulfosuccinic acid, bisdiisobutyllester, amidodisodium salt <i>Mona Industries, Inc.</i>		(¹)	(¹)	
	Sulfosuccinic acid, bis(2,6-dimethyl-4-heptyl) ester, sodium salt <i>Mona Industries, Inc.</i> <i>National Starch & Chemical Co.</i>	(I)	(¹)	(¹)	
	Sulfosuccinic acid, bis(2-ethylhexyl)ester, sodium salt <i>Apex Chemical Corp.</i> <i>Burlington Industries</i> <i>C. H. Patrick & Co., Inc.</i> <i>C.N.C. International</i> <i>Cytec Industries</i> <i>Eastern Color & Chemical Co.</i> <i>Exxon Chemical Americas</i> <i>Finetex, Inc.</i> <i>Mona Industries, Inc.</i> <i>RPM American Emulsions Co., Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>WestPoint Stevens, Inc., Grifftex Chemicals</i> <i>Witco Corp.</i>	7,336	6,000	14,370	\$ 2.40
	Sulfosuccinic acid, dihexyl ester, sodium salt <i>Cytec Industries</i> <i>Finetex, Inc.</i> <i>Mona Industries, Inc.</i>	1,240		(I)	
	Sulfosuccinic acid, diisobutyl ester, sodium salt <i>Finetex, Inc.</i>			(¹)	
	Sulfosuccinic acid, diisodecyl ester, sodium salt <i>Finetex, Inc.</i>		(¹)	(¹)	
	Sulfosuccinic acid, diisooctyl ester, sodium salt <i>Ca/gene Chemical, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)		
	Sulfosuccinic acid, dioctyl ester, sodium salt	(I)	(I)	(I)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales			Average unit value
		Production	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29171950 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Mona Industries, Inc.</i>				
	Sulfosuccinic acid, dipentyl ester, sodium salt	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	Sulfosuccinic acid, ditridecyl ester, sodium salt	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	<i>Mona Industries, Inc.</i>				
	Sulfosuccinic acid, monolaureth ester, disodium salt	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Sulfosuccinic acid, oleamidopolyethyleneglycol, disodium salt	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Residual Total	54,302	37,627	92,855	\$ 2.47
291719XX	HTS Level Residual Total	13,853	(1)	(1)	
291720	Cyclanic, cyclonic or cycloterpenic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	(1)	(1)	III	
29172000	Cyclanic, cyclonic or cycloterpenic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	PI	(1)	(1)	
	1,2-Cyclohexanedicarboxylic acid anhydride	(1)	(1)	(1)	
	<i>Occidental Chemical Corp., Chemical Group</i>				
	Methyl dihydrojasmonate	(1)	(1)	(I)	
	<i>Firmenich, Inc.</i>				
	2-Methyl-5-norbornene-2,3-dicarboxylic anhydride	(1)	(1)	(1)	
	<i>Buffalo Color Corp.</i>				
	Tetrahydrophthalic anhydride	(1)	(1)	(1)	
	<i>Dixie Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291731	Dibutyl orthophthalates	(1)	III	(1)	
29173100	Dibutyl orthophthalates	(1)	In	In	
	Di-t-butyl diperoxyphthalate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dibutyl phthalate (including diisobutyl phthalate)	6,662	5,736	7,119	1.24
	<i>Aristech Chemical Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Huls America, Inc.</i>				
	<i>Unitex Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
291732	Dioctyl orthophthalates	115,255	114,935	105,392	0.92
29173200	Dioctyl orthophthalates	115,255	114,935	105,392	0.92
	Di(2-ethylhexyl) phthalate	(1)	(1)	(1)	
	<i>Aristech Chemical Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Huls America, Inc.</i>				
	Diiso-octyl phthalate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hatco Chemical Co.</i>				
	<i>Teknor Apex Co.</i>				
	Dioctyl phthalates, all other	(1)	(1)	(I)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Residual Total	115,255	114,935	105,392	0.92
291733	Dinonyl or didecyl orthophthalates	(1)	(1)	(1)	
29173300	Dinonyl or ddecyl orthophthalates	(1)	(1)	(1)	

See endnotos at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173300 —Continued					
	Diisodecyl phthalate <i>Aristech Chemical Corp.</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Huls America, Inc.</i> <i>Monsanto Co.</i> <i>Teknor Apex Co.</i>	102,378	103,653	89,880	\$ 0.87
	Diisononyl phthalate <i>Aristech Chemical Corp.</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Morflex, Inc.</i> <i>Teknor Apex Co.</i>	(¹)	(¹)	(¹)	
	Dinonyl phthalate <i>BASF Corp, (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i> <i>Sterling Chemicals, Inc.</i> <i>Teknor Apex Co.</i>	83,073	(1)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
291733XX	HTS Level Residual Total		(¹)	(¹)	
291734	Esters of orthophthalic acid, nesi	170,308	185,456	204,608	1.10
29173400	Esters of orthophthalic acid, nesi	170,308	185,456	204,608	1.10
	Butyl cyclohexyl phthalate <i>Unitex Chemical Corp.</i>	(¹)	(1)	(¹)	
	Butyl octyl phthalates <i>Aristech Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Butyl phthalyl butyl glycolate <i>Company not disclosed</i>	(1)	(1)	(¹)	
	Di(12-butoxyethyl) phthalate <i>C.P. Hall Co.</i>	(1)	(¹)	(¹)	
	Dicyclohexyl phthalate <i>Company not disclosed</i> <i>Unitex Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Diethyl phthalate <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Morflex, Inc.</i>	(¹)	(¹)	(¹)	
	Dimethyl phthalate <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Morflex, Inc.</i> <i>Unitex Chemical Corp.</i>	(¹)	4,494	6,290	1.40
	Di-(n-heptyl-n-nonyl) phthalate <i>BASF Corp, (Parsippany, NJ)</i> <i>Sterling Chemicals, Inc.</i>	(¹)	(¹)		
	Di-In-heptyl-n-nonyl) undecyl phthalate <i>BASF Corp, (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i> <i>Sterling Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Diphenyl phthalate <i>Eastman Kodak Co.</i>	(¹)	(¹)	(¹)	
	Di-tridecyl phthalate <i>Aristech Chemical Corp.</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Mobil Oil Corp., Chemical Products Div.</i> <i>Teknor Apex Co.</i>	(¹)	(¹)	(¹)	
	Diundecyl phthalate <i>Aristech Chemical Corp.</i> <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29173400 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sterling Chemicals, Inc.</i>				
	Glycol phthalate esters, all others <i>C.P. Hall Co.</i>	(¹)	(¹)		
	Hexyl n-decyl phthalate <i>Vista Chemical Co.</i>	(¹)	(¹)	(¹)	
	n-Octyl n-decyl phthalate <i>Aristech Chemical Corp.</i> <i>Vista Chemical Co.</i>	(¹)	(¹)		
	Phthalic anhydride esters, all other <i>Huls America, Inc.</i> <i>Monsanto Co.</i> <i>Sterling Chemicals, Inc.</i> <i>Teknor Apex Co.</i> <i>Witco Corp.</i>	(¹)	(¹)		
	Residual Total	170,308	180,962	198,318	\$ 1.10
291735	Phthalic anhydride	387,113	213,211	138,353	0.65
29173500	Phthalic anhydride	387,113	213,211	138,353	0.65
	Phthalic anhydride <i>Aristech Chemical Corp.</i> <i>BASF Corp, (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i> <i>Koppers Industries, Inc.</i> <i>Stepan Co.</i> <i>Sterling Chemical, Inc.</i>				
291736	Terephthalic acid and its salts	(¹)	(¹)	(¹)	
29173600	Terephthalic acid and its salts	(¹)	(¹)	(¹)	
	Terephthalic acid <i>AMOCO Chemical Co.</i> <i>Cape Industries</i> <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>	(¹)	(¹)	(¹)	
	Terephthalic acid, calcium salt <i>Synthetic Products Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
291739	Aromatic polycarboxylic acids, their anhydrides, halides, peroxides and their derivatives, nesi	(¹)	375,510	425,112	1.13
29173920	Plasticizers of aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	85,298	87,271	128,184	1.47
	Bis(2-ethylhexyl)terephthalate <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	Butyl benzyl phthalate <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Cyclic plasticizers, all other <i>Boehme Filatex., Inc.</i> <i>Company not disclosed</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Hercules, Inc.</i> <i>Hickson Danchem Corp.</i> <i>Huls America, Inc.</i> <i>Unisex Chemical Corp.</i> <i>Velsicol Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Diethyl isophthalate <i>Company not disclosed</i>	(¹)	(¹)		
	Dimethyl isophthalate <i>Unisex Chemical Corp.</i>	(¹)	(¹)		
	Tri(2-ethylhexyl) trimellitate <i>BASF Corp, (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173920 —Continued					
Chemical description/Manufacturer—Continued					
	Teknor Apex Co.				
	Unitex Chemical Corp.				
	Tri-n-hexyltrimellitate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Triisodecyl trimellitate	(1)	(¹)	(¹)	
	Exxon Chemical Americas				
	Triisononyl trimellitate		(1)	(¹)	
	Teknor Apex Co.				
	Triiso-octyl trimellitate	(¹)	(¹)	(¹)	
	Huls America, Inc.				
	Trimellitic acid esters all other	1,097	419	1,299	S 3.10
	Aristech Chemical Corp.				
	Company not disclosed				
	Company not disclosed				
	Inolex Chemical Co.				
	Teknor Apex Co.				
	trimethyl trimellitate	(¹)	(¹)	(¹)	
	Ferro Corp., Grant Chemical Div.				
	Trioctyl trimellitate	(¹)	(¹)		
	Aristech Chemical Corp.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Residual Total	84,201	86,852	126,885	1.46
29173930	Aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives nesi, in add. U.S. note 3 to sec. VI	1,459,925	(¹)	(1)	
	Sie(perfluoroalkylIbislalpha-monochlorohydryl) pyromellitate	(¹)	(1)	(1)	
	Hoechst Celanese Corp., Sou Tex Works				
	Dimethylammonium hydrogen isophthalate	(¹)	(1)	(1)	
	Vanderbilt Chemical Corp. (Bethel, CT)				
	Dimethyl-1,4-cyclohexanedicarboxylate		(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Phthalic acid, potassium hydrogen salt	(¹)	(¹)	(¹)	
	GFS Chemicals, Inc.				
	Pyromellitic acid	(¹)		(¹)	
	Allco Chemical Corp.				
	5-Sulfoisophthalic acid, 1,3-dimethyl ester	(¹)	(¹)	(¹)	
	Pfister Chemical, Inc.				
	5-Sulfoisophthalic acid, sodium salt	(1)	(1)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Pfister Chemical, Inc.				
	Terephthalic acid, dimethyl ester	1,449,828	(¹)	(¹)	
	Cape Industries				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Terephthaloyl chloride	(1)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Twin Lake Chemical, Inc.				
	Tetrabromophthalic anhydride	(¹)	(¹)	(¹)	
	Great Lakes Chemical Corp.				
	Poly Organix, Inc.				
	Tetrachlorophthalic anhydride		(¹)	(¹)	
	Monsanto Co.				
	Residual Total	10,098	(¹)	(¹)	
29173950	Aromatic poiycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	(¹)		(¹)	
	4,4'-Carbonylbis[phthalic anhydride]	(¹)		(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173950 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Al/co Chemical Corp.</i>				
	Dimethyl-2,3,5,6-tetrachloroterephthalate (DCPA) <i>ISK Biotech Corp.</i>	(I)	(¹)	(I)	
	Hexahydrophthalic anhydride <i>Dixie Chemical Co., Inc.</i>	(I)	(I)	(I)	
	Isophthalic acid, diallyl ester <i>AMOCO Chemical Co.</i>	(I)	(I)	(I)	
	Isophthalic acid, dimethyl ester <i>Morflex, Inc.</i> <i>Unitex Chemical Corp.</i>	(I)	(I)	(I)	
	Isophthaloyl chloride <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Twin Lake Chemical, Inc.</i>	(¹)	(I)	(I)	
	Methyltetrahydrophthalic anhydride <i>Dixie Chemical Co., Inc.</i>	(I)	(¹)	(I)	
	5-Nitroisophthalic acid <i>Salsbury Chemicals, Inc.</i>		(I)	(¹)	
	3,4,9,10-Perylenetetracarboxylic acid <i>Miles, Inc., Dyes & Pigments Div.</i>	(I)		(¹)	
	3,4,9,10-Perylenetetracarboxylic-3,4:9,10-dianhydride <i>Miles, Inc., Dyes & Pigments Div.</i>	(I)	(I)	(¹)	
	Phthalic acid, lead salt, (Dibasic) <i>Anzon, Inc.</i>	(I)	(I)	(I)	
	Phthaloyl chloride (Phthalyl chloride) <i>Twin Lake Chemical, Inc.</i>	(¹)	(I)	(I)	
	Pyromellitic dianhydride <i>AIco Chemical Corp.</i>	(¹)	(I)	(I)	
	5-Sulfoisophthalic acid, 1,3-dimethyl ester, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(I)	(¹)	(I)	
	Trimellitic anhydride, acid chloride <i>AMOCO Chemical Co.</i> <i>Company not disclosed</i>			(I)	
	Trimellitic trichloride <i>Twin Lake Chemical, Inc.</i>	(I)		(I)	
	Residual Total	(I)	(I)	(I)	
291739XX	HTS Level Residual Total	(¹)	288,239		\$
	Sulfosuccinic acid, cocoamide ester, diethanolamine salt <i>Mona Industries, Inc.</i>		(¹)	(I)	
	Sulfosuccinic acid, lauryl ester, ammonium salt <i>Mona Industries, Inc.</i>	(I)	(I)	(I)	
	Sulfosuccinic acid, nonylpolyoxyethylene; 10 ester, disodium salt <i>Mona Industries, Inc.</i>	(¹)	(¹)	(I)	
	Residual Total	(I)	(I)	(¹)	
2917XX	HTS Level Residual Total	1,880,013	(I)	(I)	
2918	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	609,315	563,982	799,443	1.42
291811	Lactic acid, its salts and esters	(¹)	(¹)	(¹)	
29181110	Lactic acid	(¹)	(¹)	(¹)	
	Lactic acid, 100% <i>Archer Daniels Midland Co.</i> <i>Pfansriehl Laboratories, Inc.</i> <i>Sterling Chemicals, Inc.</i>	(¹)	(¹)	(I)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29181110 —Continued					
	Residual Total	(1)	(1)		
29181150	Salts and esters of lactic acid	3,191	2,879	4,111	\$ 1.43
	Ammonium lactate	(1)		(1)	
	<i>Inolex Chemical Co.</i>				
	C ₁₂ -C ₁₅ alcohol-lactates	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Cetyl lactate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Lauryl lactate	(1)	(1)		
	<i>ISP Van Dyk, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Myristyl lactate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Potassium lactate		(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Sodium lactate (Nalac)	2,661	(1)	(1)	
	<i>American Ingredients Co.</i>				
	<i>Archer Daniels Midland Co.</i>				
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Residual Total	529	2,879	4,111	1.43
291814	Citric acid	(1)	(1)	(1)	
29181400	Citric acid	(1)	(1)	(1)	
	Citric acid	(1)	(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	Residual Total	(1)	(1)	(1)	
291815	Salts and esters of citric acid	(1)	(1)	(1)	
29181510	Sodium citrate	(1)	(1)	(1)	
	Sodium citrate	(1)	(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Burlington Industries</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Zee/and Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29181550	Salts and esters of citric acid, except sodium citrate	6,131	5,929	16,167	2.73
	Citric and acetylcitric acid esters, all other	(1)		(1)	
	<i>Catawba Charlab, Inc.</i>				
	<i>Company not disclosed</i>				
	Potassium citrate	(1)	(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Company not disclosed</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Tributyl acetylcitrate	(1)	(1)	(1)	
	<i>Unisex Chemical Corp.</i>				
	Tributyl citrate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Triethyl acetylcitrate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Triethyl citrate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	6,131	5,929	16,167	2.73
291816	Gluconic acid, its salts and esters	(1)		(1)	
29181610	Gluconic acid	(1)	(1)	(1)	
	Gluconic acid, technical	(1)	(1)	(1)	
	<i>PMP Fermentation Products, Inc.</i>				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29181650	Salts and esters of gluconic acid	(1)	(1)	(1)	
	Sodium gluconate		(1)	(1)	
	Archer Daniels Midland Co.				
	Company not disclosed				
	PMP Fermentation Products, Inc.				
	Pfanstiehl Laboratories, Inc.				
	Residual Total	(1)		(1)	
291817	Phenylglycolic acid (Mandelic acid), its salts and esters	(1)	(1)	(1)	
29181750	Phenylglycolic (Mandelic) acid salts and esters	(1)	(1)	(1)	
	Hydroxyacetic acid, potassium salt	(1)	(1)	(1)	
	Company not disclosed				
	(-)Octamandellate	(1)	(1)	(1)	
	B.I. Chemicals, Inc.				
	Residual Total	(1)	(1)	(1)	
291819	Carboxylic acids with alcohol function, w/o other oxygen function, their anhydrides, halides, peroxides, peroxyacids & their derivatives, nesi		(1)	(1)	
29181930	Aromatic carboxylic acids with alcohol function, without other oxygen functions, and their derivatives, nesi	(1)	(1)	(1)	
	Benzyl 4-hydroxy benzoate	(1)	(1)	(1)	
	Company not disclosed				
	Diflunisal	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Malic acid	(1)	(1)	(1)	
	Haarmann Reimer Corp., Food Ingredients Div.				
	5-Nitrodimethylisophthalate	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	Tetrabromophthalic anhydride, diol	(1)	(1)	(1)	
	Ethyl Corp.				
	Residual Total	(1)	(1)	(1)	
29181990	Nonaromatic carboxylic acids with alcohol function, without other oxygen function, and their derivatives. nesi	5,554	(1)	(1)	
	n-Butyl acetylricinoleate		(1)	(1)	
	Caschem, Inc.				
	Butyl ricinoleate	(1)	(1)	(1)	
	Caschem, Inc.				
	Calcium gluceptate		(1)	(1)	
	Pfanstiehl Laboratories, Inc.				
	Glyceryl monoricinoleate	(1)	(1)	(1)	
	Caschem, Inc.				
	Glyceryl tri(acetylricinoleate)		(1)	(1)	
	Caschem, Inc.				
	Glycolic acid, potassium salt	(1)	(1)	(1)	
	Honig Chemical & Processing Corp.				
	Jarchem Industries, Inc.				
	Glycolic acid, sodium salt		(1)	(1)	
	Honig Chemical & Processing Corp.				
	Jerchem Industries, Inc.				
	2-Hydroxyethane.sulfonic acid,.sodium salt		(1)	(1)	
	Rhone Poulenc, Inc.				
	Hydroxystearic acid, barium salt		(1)	(1)	
	Synthetic Products Co.				
	Isoascorbic acid, sodium salt (Sodium erythorbate)		(1)	(1)	
	Pfizer, Inc.				
	Isodecyl adipate	(1)	(1)	(1)	
	Quaker Chemical Corp.				

See andnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29181990 — Continued</i>					
	Lithium ricinoleate Caschem, Inc.	(1)	(1)	(1)	
	Methyl 1 2-hydroxystearate Caschem, Inc.	(1)	(1)		
	Methyl ricinoleate Caschem, Inc.	(1)	(1)	(1)	
	Ricinoleic acid, magnesium salt Caschem, Inc.	(1)	(1)	(1)	
	Zinc gluceptate Pfanstiehl Laboratories, Inc.	(1)	(1)	(1)	
	Residual Total	5,554		(1)	
291821	Salicylic acid and its salts	8,288	(1)	(1)	
29182110	Salicylic acid and its salts, suitable for medicinal use	673			
	Aminosalicic acid Zeeland Chemical, Inc.	(1)		(1)	
	Magnesium salicylate Arenol Chemical Corp.	(1)	(1)	(1)	
	Mesalamine Salsbury Chemicals, Inc.	(1)	(1)	(1)	
	Potassium salicylate Kalama Chemical, Inc.	(1)	(1)	(1)	
	Salicylic acid Dow Chemical Co. Kalama Chemical, Inc.	(1)	(1)	(1)	
	Sodium salicylate Kalama Chemical, Inc.	(1)	(1)	(1)	
	Residual Total	673	(1)	(1)	
291 821 50	Salicylic acid and its salts, not suitable for medicinal use	7,615	5,841	11,316	\$ 1.94
	5,5'-Methylenedisalicic acid Kalama Chemical, Inc.	(1)	(1)	(1)	
	Salicylic acid, tech. Hilton Davis Chemical Co. Kalama Chemical, Inc.	(1)	(1)	(1)	
	Sulfosalicylic acid Westvaco Corp.	(1)	(1)	(1)	
	Residual Total	7,615	5,841	11,316	1.94
291821XX	HTS Level Residual Total			(1)	
291822	0-Acetylsalicic acid, its salts and esters	(1)	(1)	(1)	
29182210	0-Acetylsalicic acid (Aspirin)	(1)	(1)	(1)	
	Aspirin Dow Chemical Co. Procter & Gamble Pharmaceutical Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
291823	Esters of salicylic acid and their salts, nesi	2,489		(1)	
29182320	Odoriferous or flavoring compounds of other esters of salicylic acid and their salts, nesi	(1)	(1)	(1)	
	2-Ethylhexyl salicylate Haarmann & Reimer Corp.	(1)	(1)	(1)	
	cis-3-Hexenyl salicylate Fragrance Resources, Inc. International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Methyl salicylate Firmenich, Inc. Kalama Chemical, Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29182320 — Continued					
	Residual Total	(¹)	(¹)		
29182330	Esters of salicylic acid and their salts, described in additional U.S. note 3 to section VI		(¹)	(¹)	
	Salicylic acid, phenyl ester	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29182350	Esters of salicylic acid and their salts, nesi	(¹)		(¹)	
	Dipropylene glycol salicylate	(¹)	(¹)	(¹)	
	<i>Scher Chemicals, Inc.</i>				
	2-Ethylhexyl salicylate	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>				
	<i>ISP Van Dyk, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29182310C	HTS Level Residual Total	(¹)	(¹)	(¹)	
291829	Carboxylic acids with phenol function, w/o other oxygen function, their anhydrides, peroxides, peroxyacids and their derivatives, nesi	2,489	(¹)		
29182910	2,3-Cresotic acid; and other specified carboxylic acids with phenol function, but without other oxygen function, and their derivatives, nesi		(¹)		
	1-Hydroxy-2-naphthoic acid	(¹)		(¹)	
	<i>Pfister Chemical, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29182940	Carboxylic acids with phenol function, but w/o other oxygen function, and derivatives, described in add. U.S. note 3 to section VI	(¹)	(¹)		
	2,4-Di-t-butyl phenyl 3,5-di-t-butyl hydroxybenzoate		(¹)	(¹)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	p-Hydroxybenzoic acid, ethyl ester (Ethyl paraben)	(11)	(1)	(11)	
	<i>Kalama Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(¹)	
29182980	HTS Level Residual Total	1,099	1,015	7,810	\$ 7.69
	p-Hydroxybenzoic acid, butyl ester	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	p-Hydroxybenzoic acid, methyl ester	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Napp Technologies, Inc.</i>				
	p-Hydroxybenzoic acid, propyl ester	(¹)			
	<i>Kalama Chemical, Inc.</i>				
	<i>Napp Technologies, Inc.</i>				
	3-Hydroxy-2-naphthoic acid, methyl ester	(¹)	(¹)	(¹)	
	<i>C.N. C. International</i>				
	5-Nitrosalicylic acid		(¹)	(¹)	
	<i>Salsbury Chemicals, Inc.</i>				
	3(and 5)-Nitrosalicylic acid	(¹)	(¹)	(¹)	
	<i>Salsbury Chemicals, Inc.</i>				
	5-Resorcylic acid	(1)	(¹)	(¹)	
	<i>INDSPEC Chemical Corp.</i>				
	Residual Total	1,099	1,015	7,810	7.69
291830	Carboxylic acids with aldehyde or ketone function, w/o other oxygen function, their anhydrides, halides, peroxides, peroxyacids & derivatives			(1)	
29183050	Nonaromatic carboxylic acids with aldehyde or ketone function, without other oxygen function, and their derivatives, nesi		(¹)	(¹)	
	Ethyl acetoacetate		(¹)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29183050 —Continued					
Chemical description/Manufacturer—Continued					
	Eastman Kodak Co., Tennessee Eastman Co. Div. Lonza, Inc.				
	Methyl acetoacetate Eastman Kodak Co., Tennessee Eastman Co. Div. Lonza, Inc.	(¹)			
	Methyl pivaloylacetate Eastman Kodak Co., Tennessee Eastman Co. Div.	(¹)	(¹)	(¹)	
	Octanoic acid, 2-ethyl-2((1-oxooctyl)oxo)methyl- 1,3-propanoyl ester Lonza, Inc.	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
291890	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids, nest	(¹)		(¹)	
29189010	Specified aromatic pesticides derived from carboxylic acids with additional oxygen function, and their derivatives	(¹)	(¹)	(¹)	
	2-(4-Chloro-2-methylphenoxy)propionic acid, dimethylamine salt Riverdale Chemical Co.	(¹)	(¹)	(¹)	
	2-(2,4-Dichlorophenoxy)propionic acid Zeneca, Inc., Agricultural Chemicals Div.	(¹)	(¹)	(¹)	
	2-(2-Methyl-4-chlorophenoxy)propionic acid, iso-octyl ester Dow Chemical Co. Riverdale Chemical Co.	(¹)	(¹)	(¹)	
	Residual Total	(¹)		(¹)	
29189020	Aromatic pesticides, derived from carboxylic acids with additional oxygen function, and their derivatives, nest	27,128	22,692	312,619	\$ 13.78
	4-Chloro-2-methylphenoxyacetic acid, iso-octyl ester Riverdale Chemical Co.	(¹)			
	4-Chloro-2-methylphenoxyacetic acid (MCPA) Dow Chemical Co.	(¹)	(¹)	(¹)	
	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-introbenzoic acid, sodium salt BASF Corp, Parsippany, NJ Ruetgers Nease Corp.	(1)	(1)	(1)	
	3,6-Dichloro-2-anisic acid (Dicamba) Sandoz Agro, Inc.	(¹)	(¹)		
	2,4-Dichlorophenoxyacetic acid (2,4-D) Dow Chemical Co.	(1)	(¹)	(¹)	
	2,4-Dichlorophenoxyacetic acid,2-butoxyethyl ester Dow Chemical Co.	(¹)		(¹)	
	2,4-Dichlorophenoxyacetic acid,esters and salts,all other Zeneca, Inc., Agricultural Chemicals Div.	(¹)	(¹)	(¹)	
	2,4-Dichlorophenoxyacetic acid,iso-octyl ester Dow Chemical Co. Riverdale Chemical Co.		(¹)		
	2,4-Dichlorophenoxyacetic acid,isopropyl ester AMVAC Chemical Corp.	(¹)	(¹)	(¹)	
	2,4-Dichlorophenoxyacetic acid,lithium salt Guth Corp.	(¹)	(¹)	(¹)	
	2-(2-Methyl-4-chlorophenoxy)propionic acid dimethylamine salt (MCPA DMA salt) Dow Chemical Co.	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29189020 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	2-12-Methyl-4-chlorophenoxypropionic acid (MCP) Dow Chemical Co.	(1)	(1)	(1)	
	Residual Total	27,128	22,692	312,619	\$ 13.78
29189030	Aromatic drugs derived from carboxylic acids with additional oxygen function, and their derivatives, nesi				
	Ethacrynic acid Company not disclosed	(1)	(1)	(1)	
	Fenoprofen calcium Company not disclosed	(1)	(1)	(1)	
	Gemfibrozil Parke Davis Div. of Warner Lambert, Inc.	(1)	(1)	(1)	
	Salsalate Company not disclosed	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29189035	Odoriferous or flavoring compounds of carboxylic acids with additional oxygen function, and their derivatives, nesi				
	Ethyl furoate International Flavors & Fragrances, Inc. SCM Glidco Organics Corp.	(1)	(1)	(1)	
	2-Phenoxyethyl isobutyrate International Flavors & Fragrances, Inc.	(1)		(1)	
	Residual Total		(1)	(1)	
29189040	Aromatic carboxylic acids with additional oxygen function, nesi, and their derivatives described in additional U.S. note 3 to section VI				
	n-Butyl-4,4-(di-t-butyl peroxy) butyrate Elf Atochem North America, Inc.	(1)	(1)	(1)	
	d,1-2-16'-Methoxy-2'-naphthynpropionic acid Company not disclosed	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29189045	Aromatic carboxylic acids, with additional oxygen function, nesi, and their derivatives, nesi				
	Anisoyl chloride Sterling Drug, Inc. (Barceloneta)	(1)	(1)	(1)	
	Ligninsulfonic acid, ammonium salt Georgia Pacific Corp., Bellingham Div. Lignotech (USA), Inc.	(1)	(1)	(1)	
	Ligninsulfonic acid, calcium salt Flambeau Paper Corp. Georgia Pacific Corp., Bellingham Div. Lignotech (USA), Inc.	276,209	284,429	40,773	0.14
	Ligninsulfonic acid, chromium salt Georgia Pacific Corp., Bellingham Div.	(1)	(1)	(1)	
	Ligninsulfonic acid, iron salt Georgia Pacific Corp., Bellingham Div. Lignotech (USA), Inc.	(1)	(1)	(1)	
	Ligninsulfonic acid, magnesium salt Lignotech (USA), Inc.	(1)	(1)	(1)	
	Ligninsulfonic acid, manganese salt Lignotech (USA), Inc.	(1)	(1)	(1)	
	Ligninsulfonic acid, mixed chromium and iron salts Georgia Pacific Corp., Bellingham Div.	(1)	(1)	(1)	
	Ligninsulfonic acid, mixed salt Lake States, Div. of Rhineland Paper Co.	(1)	(1)	to	
	Ligninsulfonic acid, sodium salt Georgia Pacific Corp., Bellingham Div.	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29189045 —Continued					
Chemical description/Manufacturer—Continued					
	Lignotech (USA), Inc. Ligninsulfonic acid, zinc salt Exxon Chemical Americas Georgia Pacific Corp., Bellingham Div. Lignotech (USA), Inc.	(1)	(1)	(1)	
	Phenoxyacetic acid, sodium salt Niacet Corp.	(1)		(1)	
	Residual Total		(1)	(1)	
29189050	Nonaromatic carboxylic acids with additional oxygen function, and their derivatives, nesic	23,697	16,673	31,903	\$ 1.91
	Decanoic acid, 2-ethyl-2 (((i-oxodecyl)oxo)methyl)-1,3-propanediyl ester Lonza, Inc.		(1)	(1)	
	Epoxidized esters, all other Elf Atochem North America, Inc. Union Carbide Corp., Industrial Chemicals Div.		(1)	(1)	
	Ethyl 3,3-di(t-butyl peroxy) butyrate Elf Atochem North America, Inc.	(1)	(1)	(1)	
	2-Ethylhexyl epoxytallates Union Carbide Corp., Industrial Chemicals Div. Witco Corp.	(1)	(1)	(1)	
	Glycolic acid (Hydroxyacetic acid) Company not disclosed E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	Isopropyl-1 1-methoxy-3,7,1 1-trimethyldodeca-2,4-dienoate (Methoprene) Sandoz Agro, Inc.	(1)	(1)	(1)	
	Oxyaluminum octanoate Chattem, Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Poly (oxy-1,2-ethanediy1), x-hydro-w-hydroxy- Lonza, Inc.	(1)	(1)	(1)	
	Salts of organic acids, all other Akcros Chemicals America Company not disclosed Eastman Kodak Co., Tennessee Eastman Co. Div. Ferro Corp., Bedford Chemical Div. Mona Industries, Inc. Mooney Chemicals, Inc. Quaker Chemical Corp. RSA Corp. Sandoz Chemicals Corp. (Mt. Holly) Shepherd Chemical Co. UOP, Inc.	(1)	(1)	(1)	
	Salts of organic acids, all other	(1)	(1)	(1)	
	Tridecyloxypropyl(ethyleneoxy)propionic acid, potassium salt Marlowe Van Loan Corp.	(1)		(1)	
	Tri-oxyaluminum tri-isopropoxide Chattem, Inc.	(1)	(1)	(1)	
	Residual Total	23,697	16,673	20,216	1.21
291890XX	HTS Level Residual Total	1,904	(1)	(1)	
2918XX	HTS Level Residual Total	179,244	145,458	237,136	1.63
2919	Phosphoric esters and their salts; including lactophosphates; their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
291900	Phosphoric esters and their salts, including lactophosphates; their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
29190010	Aromatic plasticizers of phosphoric esters and their salts				
	Diphenyl-t-butylhexyl phosphite <i>Witco Corp.</i>		(¹)	(¹)	
	Diphenylisodecyl phosphite <i>Ethyl Corp.</i> <i>Witco Corp.</i>	(1)		(¹)	
	Diphenylisooctyl phosphite <i>Witco Corp.</i>	(1)	(¹)	(¹)	
	Phenyl-diisodecyl phosphite <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total		(1)	(1)	
29190030	Aromatic phosphoric esters and their salts, including lactophosphates, and their derivatives, not used as plasticizers				
	Decyl alcohol, phosphated <i>Omega Chemicals, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Dinonylphenol, ethoxylated and phosphated <i>Ethox Chemicals, Inc.</i> <i>Grant Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	334	232	425	\$ 1.83
	Nonylphenol, ethoxylated and phosphated <i>Arol Chemical Products Co., Inc.</i> <i>Company not disclosed</i> <i>Dexter Chemical Corp.</i> <i>Essential Industries, Inc.</i> <i>Ethox Chemicals, Inc.</i> <i>Grant Industries, Inc.</i> <i>Harcros Chemicals, Inc.</i> <i>Hart Products Corp.</i> <i>Leatex Chemical Co.</i> <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Olin Corp.</i> <i>PPG Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Ruetgers Neese Corp.</i> <i>Virkler Co.</i> <i>Witco Corp.</i>	2,445	3,621	8,394	2.32
	Nonylphenyl phosphites, mixed <i>General Electric Co., Plastics Div.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Octylphenol, ethoxylated and phosphated <i>Reilly Whiteman, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Tridecylphenol, ethoxylated and phosphated <i>Sybron Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Tri(2,4-ditertiarybutylphenyl) phosphite <i>Witco Corp.</i>	(1)	(1)	(¹)	
	Residual Total		(¹)	(¹)	
29190050	Nonaromatic phosphoric esters and their salts, including lactophosphates, and their derivatives				
	Acyclic phosphoric acid ester plasticizers, all other	58,768	54,526	162,497	2.98
		(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190050 —Continued					
Chemical description/Manufacturer—Continued					
	FMC Corp., Process Additives Div.				
	Mobil Oil Corp., Chemical Products Div.				
	Monsanto Co.				
	Aliphatic phosphate ester	(¹)	(1)	(1)	
	Exxon Chemical Americas				
	Alkoxyated acid phosphate	(¹)	(¹)		
	Albright & Wilson, Americas, Inc.				
	Bis-(2-chloroethyl)-2-chloroethylphosphonate	(¹)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Butyl acid phosphate	(1)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Occidental Chemical Corp., Chemical Group				
	Butyl phosphate	(¹)	(¹)	(¹)	
	C. H. Patrick & Co., Inc.				
	Sybron Chemicals, Inc.				
	Butyl phosphate, potassium salt	(¹)	(¹)	(¹)	
	El. Dupont de Nemours & Co., Inc., Chems & Pigments				
	2-Carbomethoxy-1-propen-2-yl dimethyl phosphate		(¹)	(¹)	
	AMVAC Chemical Corp.				
	Chloroalkyl diphosphate ester, neutral	(¹)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Decyl polyphosphate, sodium salt	(¹)	(1)	(1)	
	Henkel Corp.				
	Di-tert-amyl-phenyl acid phosphate	(¹)	(1)	(¹)	
	Albright & Wilson, Americas, Inc.				
	1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate (Naled)	(¹)	(¹)	(¹)	
	AMVAC Chemical Corp.				
	Diethylhexyl phosphoric acid	(1)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	0,0-Dimethyl-0-2,2-dichlorovinyl phosphate (DDVP)	(¹)	(¹)	(¹)	
	AMVAC Chemical Corp.				
	Dimethyl methylphosphonate	(1)	(1)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Dodecyl alcohol, ethoxylated and phosphated	(¹)	(¹)	(¹)	
	Exxon Chemical Americas				
	Grant Industries, Inc.				
	Rhone Poulenc, Inc.				
	Dodecylphenol, ethoxylated and phosphated	(1)	(¹)	(¹)	
	Dexter Chemical Corp.				
	Rhone Poulenc, Inc.				
	Dodecylphosphate	(¹)	(¹)	(¹)	
	Company not disclosed				
	1,2-Ethanediol phosphate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Ethanol, 2,2',2"-nitrilotris-tris(dihydrogen phosphate)ester, disodium salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	2-Ethylhexanol, ethoxylated and phosphated	1,011	991	1,566	\$ 1.58
	Ethox Chemicals, Inc.				
	Grant Industries, Inc.				
	Henkel Corp.				
	Lonza, Inc.				
	PPG Industries, Inc.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Witco Corp.				
	2-Ethylhexanol, ethoxylated, phosphated, potassium salt	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190050 — Continued					
Chemical description/Manufacturer — Continued					
	Burlington Industries				
	2-Ethylhexyl hydrogen phosphate Albright & Wilson, Americas, Inc.	(¹)	(¹)	(¹)	
	2-Ethylhexyl phosphate C. H. Patrick & Co., Inc. Ethox Chemicals, Inc. Ferro Corp., Keil Chemical Div. High Point Chemical Corp. Moretex Chemical Products, Inc. Olin Corp. Omega Chemicals, Inc. Rhone Poulenc, Inc. Sybron Chemicals, Inc.	165	154	304	\$ 1.97
	2-Ethylhexylphosphate, potassium salt Piedmont Chemical Industries, Inc.	(¹)	(¹)		
	2-Ethylhexyl phosphate, sodium salt C. H. Patrick & Co., Inc. Hickson Danchem Corp. Yorkshire Pat Chem, Inc.	(¹)	(1)	(1)	
	2-Ethylhexyl polyphosphate, sodium salt Dexter Chemical Corp.	(¹)	(¹)	(¹)	
	Ethyl phosphate Apollo Chemical Corp.		(¹)	(¹)	
	Hexadecyldiphosphate Company not disclosed	(¹)	(¹)	(¹)	
	Hexadecylmonophosphate Company not disclosed	(¹)	(¹)	(¹)	
	Hexylalcohol, ethoxylated and phosphated Rhone Poulenc, Inc.	(¹)	(1)	(1)	
	Hexyl phosphate Ethox Chemicals, Inc. ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(¹)	(¹)	
	Hexyl phosphate, potassium salt ICI Americas, Inc., Specialty Chemicals Div.	(1)	(¹)	(¹)	
	Hydrocarbon phosphorous acid, barium salt Company not disclosed	(¹)	(1)	(1)	
	Hydrocarbon phosphoryl derivatives Company not disclosed	(¹)	(¹)	(¹)	
	Isodecyl diphenyl phosphate Monsanto Co.	(¹)	(¹)	(¹)	
	Iso-octyl hydrogen phosphate Albright & Wilson, Americas, Inc.	(¹)	(¹)	(¹)	
	Isooctyl phosphate Burlington Industries Quaker Chemical Corp.	(¹)	(¹)	(¹)	
	Isooctyl phosphate, potassium salt High Point Chemical Corp. Quaker Chemical Corp.	(¹)	(1)	(1)	
	isopropyl phosphate Sybron Chemicals, Inc.	(1)	(1)	(1)	
	Methyl dihydrogen phosphate Occidental Chemical Corp., Chemical Group	(¹)	(1)	(1)	
	Nonylphenol, ethoxylated and phosphated, diethanolamine salt Olin Corp.	(1)	(1)	(1)	
	Nonylphenol, ethoxylated and phosphated, sodium salt	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190050 —Continued					
Chemical description/Manufacturer—Continued					
	Witco Corp.				
	9-Octadecenyl alcohol, ethoxylated and phosphated		(¹)	(¹)	
	Ethox Chemicals, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	Octyl polyphosphate	(¹)	(¹)	(¹)	
	Dexter Chemical Corp.				
	Octyl polyphosphate, potassium salt			(¹)	
	Dexter Chemical Corp.				
	Phosphonic acid, [1,2-ethanediyIbis[nitrilobis (methylene)tetraakis-, ammonium salt	(1)	(1)	(1)	
	Company not disclosed				
	Phosphonic acid, (nitrilotrisImethylenell-tris, sodium salt			(¹)	
	Company not disclosed				
	Phosphorus acid esters, all other	(¹)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Company not disclosed				
	Dover Chemical Corp., sub. of ICC Industries, Inc.				
	Stearyl acid phosphate	(1)	(¹)	(¹)	
	Occidental Chemical Corp., Chemical Group				
	Tetradecyl alcohol, phosphate ester	(¹)	(¹)	(¹)	
	Company not disclosed				
	Tri(2-butoxyethyl) phosphate	(¹)	(¹)	(¹)	
	FMC Corp., Process Additives Div.				
	Monsanto Co.				
	Tributyl phosphate	(¹)	(¹)	(¹)	
	FMC Corp., Process Additives Div.				
	Tributyl phosphite	(¹)		(¹)	
	Albright & Wilson, Americas, Inc.				
	Tricresyl phosphate	(1)		(1)	
	FMC Corp., Process Additives Div.				
	Tridecyl alcohol, ethoxylated and phosphated	3,262	2,274	4,801	2.11
	Company not disclosed				
	Dexter Chemical Corp.				
	Ethox Chemicals, Inc.				
	Grant Industries, Inc.				
	Hickson Danchem Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Lonza, Inc.				
	Milliken & Co., Milliken Chemical Div.				
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	Virkler Co.				
	Tridecyl alcohol ethoxylated and phosphated, potassium salt	(¹)	(¹)	(¹)	
	Dexter Chemical Corp.				
	Tridecyl phosphate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Hoechst Celanese Corp., Sou Tex Works				
	Triethyl phosphate	(1)	(1)		
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	FMC Corp., Process Additives Div.				
	Tris-2-chloropropyl phosphate	(¹)	(¹)	(¹)	
	Albright & Wilson, Americas, Inc.				
	Residual Total	54,329	51,107	155,827	3.05
2920	Esters of other inorganic acids (excluding esters of hydrogen halides) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
292010	Thiophosphoric esters (phosphorothioates) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	PI	(¹)	III	
29201020	Aromatic phosphorothioates, their salts and their halogenated, sulfonated, nitrated or nitrosated derivatives, noel				
	0-(2,4-Dichlorophenyl) 0-ethyl S-propyl phosphorodithioate <i>Miles, Inc., Agricultural Chemicals Qiv.</i>	(¹)	(¹)	(¹)	
	Dicresylphosphorodithioic acid, ammonium salt <i>Cytec Industries</i>	(¹)	(⁰)	(¹)	
	Dicresylphosphorodithioic acid, sodium salt <i>Company not disclosed</i>	(¹)	(4)	(¹)	
	0,0-Dimethyl 0-(4-1-methylthio)-m-tolylII phosphorothioate (Fenthion) <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)	(¹)	
	0-Ethyl 0-(4-(methylthio)phenyl) S-propyl phosphorodithioate <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Zinc dialkylphenol dithiophosphate <i>Chevron Corp., Chevron Chemical Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(I)	(¹)	
29201050	Nonaromatic phosphorothioates, their salts and halogenated, sulfonated, nitrated or nitrosated derivatives, nesl	68,782	60,845	203,174	\$ 3.34
	0,0-Diethyl S-12-(ethylthio)ethyl phosphorodithioate (Disulfoton) <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(I)	(¹)	
	0,0-Diethyl S-I(ethylthio)methyl phosphorodithioate (Phorate) <i>Chevron Corp., Chevron Chemical Co.</i>	(¹)	(¹)	(¹)	
	Diethyl phosphorochloridothionate <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	Phosphorodithioates used as lubricating oil and grease additives, all other <i>Company not disclosed</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Sodium di-sec-butyl/diethyl phosphorodithioate <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Sodium di-sec-butyl phosphorodithioate <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i> <i>PPG Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Sodium diethyl phosphorodithioate <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Sodium diisobutyl phosphorodithioate <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Sodium diisopropyl phosphorodithioate <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>	(¹)	(¹)	(I)	
	0,0,0',0'-Tetraethyl S,S'-methylene bisphosphorodithioate (Ethion) <i>FMC Corp., Agricultural Chemical Group</i>	(¹)	(1)	(1)	
	S,S,S-Tributyl phosphorotrithioate <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(1)	(1)	
	Trischloroisopropylthionophosphate <i>Pelron Corp.</i>	(¹)	(1)	(1)	
	Zinc dialkyldithiophosphate	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29201050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Texaco Chemical Co.</i>				
	Zinc dibutyl phosphorodithioate	(1)	(1)	(1)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Zinc diisodecyl phosphorodithioate	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Zinc hydrocarbon dithiophosphate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	68,782	60,845	177,188	\$ 2.91
	Triethyl phosphonacetate	(1)	(1)	(1)	
	<i>AMVAC Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
292090	Esters of inorganic acids (excl. esters of hydrogen halides) & salts; their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	67,811	62,137	171,499	2.76
29209020	Aromatic esters of other inorganic acids (excluding hydrogen halides) their salts and their derivatives, nesi	7,449	3,256	15,957	4.90
	Nonylphenol, ethoxylated and sulfated, ammonium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Octylphenol, ethoxylated and sulfated, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Polyphenolic phosphites, polyalkylated	(1)	(1)	(1)	
	<i>B F Goodrich Co.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	Triphenyl phosphine	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Triphenyl phosphite	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Residual Total	7,449	3,256	15,957	4.90
29209050	Nonaromatic esters of other inorganic acids (excluding hydrogen halides), their salts and their derivatives, nesi	60,362	58,881	155,542	2.64
	Bis(2-(bis(2-hydroxyethyl)amino)ethyl) diisopropyl titanate	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Decyl sulfate, sodium salt	(1)	(1)	(1)	
	<i>Atlas Refinery, Inc.</i>				
	<i>Henkel Corp.</i>				
	Dialkyl dicarbonate	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	Di-t-butyl dicarbonate	(1)	(1)	(1)	
	<i>SpecialtyChem Products Corp.</i>				
	Dibutyl hydrogen phosphite	(1)	(1)	(1)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	Diethyl carbonate (Ethyl carbonate)	(1)	(1)	(1)	
	<i>PPG Industries, Inc.</i>				
	Di-n-propyl peroxydicarbonate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dilsec-butyl)peroxydicarbonate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dodecyl alcohol, ethoxylated and sulfated, ammonium salt	1,223	484	1,521	3.14

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29209050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Gillette Chemical Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Dodecyl alcohol, ethoxylated and sulfated, sodium salt	7,039			
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Dodecyl sulfate, ammonium salt	12,122	10,026	20,806	2.08
	<i>Gillette Chemical Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Dodecyl sulfate, magnesium salt	(¹)		(²)	
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Dodecyl sulfate, sodium salt	14,484	12,453	35,740	2.87
	<i>E.L. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	2-Ethylhexyl nitrate	(1)			
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	2-Ethylhexyl sulfate, sodium salt	977	813	2,497	3.07
	<i>Henkel Corp.</i>				
	<i>Niacet Corp.</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	7-Ethyl-2-methyl-4-undecyl sulfate, sodium salt	(¹)	(¹)	(1)	
	<i>Niacet Corp.</i>				
	Ethyl sulfate (Diethyl sulfate)	(¹)	(¹)	(²)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	cis-3-Hexenyl methyl carbonate	(1)	(²)	(²)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Hexyl sulfate, potassium salt	(¹)	(¹)	(¹)	
	<i>Dexter Chemical Corp.</i>				
	Isobutanol, ethoxylated and sulfated, ammonium salt	(1)	(¹)	(²)	
	<i>Company not disclosed</i>				
	Lignin, sodium salt	(¹)	(¹)	(¹)	
	<i>Westvaco Corp.</i>				
	Methyl sulfate (Dimethyl sulfate)	(¹)		(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	mono(2-Ethylhexyl)-2-ethylhexylphosphonic acid	(¹)	(¹)		
	<i>Albright & Wilson, Americas, Inc.</i>				
	Octyl sulfate, sodium salt	(¹)		(²)	
	<i>Henkel Corp.</i>				

See emirates at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 29209050 — Continued					
Chemical description/Manufacturer—Continued					
	<i>Rhone Poulenc, Inc.</i>				
	Phosphite antioxidants and stabilizers, cyclic, other	I ¹	(¹)	(¹)	
	<i>General Electric Co., Plastics Div.</i>				
	Propylene carbonate	(¹)	I ¹		
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	Propyl oleate, sulfated, sodium salt	(1)		(1)	
	<i>Marlowe Van Loan Corp.</i>				
	Sodium dihydro-bis(2-methoxyethoxy)aluminate	(¹)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	Tetrabutyl titanate				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tetraethyl orthosilicate (Tetraethyl silicate)	(¹)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Tetraisopropylmethylene diphosphonate		(1)	(1)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	Tetraisopropyl titanate	(¹)		(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tetrakis(2-ethylhexyl)titanate	(¹)	(1)	(1)	
	<i>Ed. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Titanic acid esters, all other	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tridecyl alcohol, ethoxylated and sulfated, sodium salt	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Tridecyl sulfate, sodium salt		(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Triethyl phosphite	(¹)	(¹)	(¹)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Triisodecylphosphite	(¹)		(¹)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	Triisooctyl phosphite	(¹)	(¹)	(¹)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	Triisopropyl phosphite	(1)	(1)	(1)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	Trimethyl phosphite	(¹)	(1)	(1)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Tris(2-chloroethyl) phosphite	(¹)		(¹)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	Residual Total	24,517	29,981	94,979	\$ 3.17
2921	Amine-function compounds	2,221,821	852,578	1,265,155	1.48
292111	Methylamine, di- or trimethylamine, and their salts		(¹)	(¹)	
29211100	Methylamine, di- or trimethylamine, and their salts	(¹)		(¹)	
	Dimethylamine	(1)			
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Methylamine, mono-	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Trimethyl amine	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29211100 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Witco Corp.</i>			(1)	
	Trimethylamine hydrochloride				
	<i>RSA Corp.</i>				
	Residual Total	(1)	(1)	(1)	
292112	Diethylamine and its salts	(1)	3,851	5,696	\$ 1.48
29211200	Diethylamine and its salts	(1)	3,851	5,696	1.48
	Diethylamine	1)	3,851	5,696	1.48
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	1)			
292112XX	HTS Level Residual Total	(1)			
292119	Acyclic monamines and their derivatives, nesi	(1)	115,597	199,401	1.72
29211910	Mono- and triethylamines; mono-, di-, and trilpropyl- and butyl-) monoamines; salts of any of the foregoing		96,625	135,280	1.40
	n-Butylamine, mono	1)		(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	sec-Butylamine, mono			(1)	
	<i>BASF Corp., (Parsippany, NJ)</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	tert-Butylamine, mono	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Di-n-butylamine		(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Diisobutylamine	(1)		P1	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Diisopropanolamine	(1)			
	<i>Dow Chemical Co.</i>				
	Diisopropylamine	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Dodecylbenzenesulfonic acid, isopropylamine salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Ruetgers Neese Corp.</i>				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	Ethyl alcohol, phosphated, amine salt		(1)		
	<i>Unitex Chemical Corp.</i>				
	Ethylamine, mono-	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Isopropylamine, mono	(1)	(1)		
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales Quantity	Value	Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29211910 — Continued</i>					
	Propylamine, mono- <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Tri-n-butylamine <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i>	(¹)		(¹)	
	Triethylamine <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Triisopropanolamine <i>Dow Chemical Co.</i>	(¹)	(¹)	(¹)	
	Tripopylamine <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	95,469	135,280	\$ 1.42
29211950	Acyclic monoamines and their derivatives and salts thereof, nesi	37,893	18,972	64,121	3.38
	Acetoguanamine <i>Dixie Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Boric acid-amine adducts <i>Ferro Corp., Keil Chemical Div.</i>	(¹)	(¹)	(¹)	
	n-Butylethylamine <i>Air Products & Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	^{C12-18} Alkyldimethylamines <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Dialkyl (^{C12-18}) methylamines <i>Lonza, Inc.</i>	(⁹)	(¹)	(¹)	
	Diallylamine <i>Hoechst Celanese Corp., Chemical Group, Inc.</i>	(¹)	(¹)	(¹)	
	Diaminopropylene-1,2 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Diaminopropylene-1,3 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	1, 3-Diaminopropylene <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Di-2-ethylhexylamine <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	N,N-Dimethyl-N-alkylamine phosphate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Dimethyl butylamine <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Dimethylbutyl amine <i>Akzo Nobel, Inc</i> <i>Ethyl Corp.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	N,N-Dimethylethylamine <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	N,N-Dimethylhexadecylamine <i>Akzo Nobel, Inc</i> <i>Ethyl Corp.</i> <i>Jetco Chemicals, Inc.</i> <i>Lonza, Inc.</i>	1,932	658	1,595	2.42
	N,N-Dimethyloctadecenylamine <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	N,N-Dimethyloctadecylamine <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Ethyl Corp.</i>	1,609	1,306	3,581	2.74

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211950 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Witco Corp.				
	N,N-Dimethyl-1-octanamine	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	N,N-Dimethyltetradecylamine	(¹)	(¹)	19	
	Ethyl Corp.				
	Witco Corp.				
	Dipentylamine	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Dodecylamine	(¹)	(¹)	(¹)	
	Akzo Nobel, Inc.				
	Witco Corp.				
	N-Dodecyl-N,N-dimethylamine	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	N-Ethyl-1,2-dimethylpropylamine	(¹)	(¹)	(¹)	
	BASF Corp., (Parsippany, NJ)				
	Phillips 66 Co.				
	(2-Ethylhexyl)amine, mono-	(¹)	(¹)	(¹)	
	Akzo Nobel, Inc.				
	Elf Atochem North America, Inc.				
	N-Ethyl-2-methylallylamine	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Hexadecylamine	(¹)	198	580	\$ 2.93
	Akzo Nobel, Inc.				
	Enenco, Inc.				
	Witco Corp.				
	N-Hexadecyl-N,N-dimethylamine	(¹)	(¹)	PI	
	Lonza, Inc.				
	Hexyloxypropyl amine	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Methylaminoacetaldehyde dimethyl acetal (MAADMA)	(¹)	(¹)	(¹)	
	SpecialtyChem Products Corp.				
	N-Methyldioctadecylamine	(¹)	(¹)	(¹)	
	Witco Corp.				
	Methyl neodecanamide	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	N-Methyl-N-octyl-1-decanamine	(¹)	(¹)	(¹)	
	N-Methyl-N-octyl-1-octanamine	(¹)	19	(¹)	
	Lonza, Inc.				
	9-Octadecenylamine	2,279	1,819	3,869	2.13
	Akzo Nobel, Inc.				
	Enenco, Inc.				
	Jetco Chemicals, Inc.				
	Witco Corp.				
	19-Octadecenylamine, ethoxylated	708	600	1,442	2.40
	Akzo Nobel, Inc.				
	Company not disclosed				
	Ethox Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Octadecylamine	1,789	969	2,256	2.33
	Akzo Nobel, Inc.				
	Enenco, Inc.				
	Jetco Chemicals, Inc.				
	Witco Corp.				
	Octadecylamine acetate	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Sou Tex Works				
	Jetco Chemicals, Inc.				
	Octadecylamine, ethoxylated	260	(¹)	(¹)	
	Akzo Nobel, Inc.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Ethox Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	N-Octadecyl-N,N-dimethylamine	(¹)		(¹)	
	<i>Lonza, Inc.</i>				
	tert-Octylamine	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>				
	n-Octylamine, mono		(¹)	(¹)	
	<i>ISP Chemicals, Inc.</i>				
	Pentylamine, mono-	(¹)	(¹)		
	<i>Elf Atochem North America, Inc.</i>				
	2-Propene-1-amine, N-methylo-N-2-propenyl	(¹)	(¹)		
	<i>Company not disclosed</i>				
	N-Tetradecyl-N,N-dimethylamine	(¹)	(¹)		
	<i>Lonza, Inc.</i>				
	Triallylamine				
	<i>Hoechst Celanese Corp., Chemical Group, Inc.</i>				
	Triisodecylamine		(¹)		
	<i>Henkel Corp.</i>				
	Trilaurylamine	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Trioctylamine	(¹)		(¹)	
	<i>Henkel Corp.</i>				
	Tripentylamine				
	<i>Elf Atochem North America, Inc.</i>				
	Residual Total	29,316	13,422	50,799	\$ 3.78
292121	Ethylenediamine and its salts	(¹)	26,509	48,303	1.82
29212100	Ethylenediamine and its salts	(¹)	26,509	48,303	1.82
	Ethylenediamine		(¹)		
	<i>Dow Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Ethylenediamine dihydriodide	(¹)	(¹)	(¹)	
	<i>Ajay Chemicals, Inc.</i>				
	<i>Deep water Iodides, Inc.</i>				
	Stearic acid,N,N,N',N'-tetrakis(2-hydroxyethyl)-ethylenediamine salt	(¹)			
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	N,N,N',N'-Tetrakis(2-hydroxypropyl) ethylenediamine, propoxylated and ethoxylated	(¹)		(¹)	
	BASF Corp, (Parsippany, NJ)				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Residual Total	(¹)	26,509	48,303	1.82
292122	Hexamethylenediamine and its salts	(¹)	(¹)		
29212205	Hexamethylenediamine adipate (Nylon salt)	(¹)	(¹)	(¹)	
	Hexamethylenediamine adipate (Nylon salt)		(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Monsanto Co.</i>				
	Residual Total				
29212250	Hexamethylenediamine and its salts (except Nylon salt), not derived in whole or in part from adipic acid	(¹)	(¹)	(¹)	
	1,6-Hexanediamine (Hexamethylenediamine)		(¹)	(¹)	
	<i>Monsanto Co.</i>				
	N,N,N',N'-Tetrabutylhexanediamine	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	Residual Total		(¹)	(¹)	
292129	Acyclic polyamines, their derivatives and salts thereof, nesi	82,899	61,201	134,637	2.20

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales			Average unit
		Production	Quantity	Value	value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29212900	Acyclic polyamines, their derivatives and salts, other than ethylenediamine or hexamethylenediamine and their salts	82,899	61,201	134,637	\$ 2.20
	Adipic acid-diethylene triamine condensate <i>Houghton International, Inc.</i>	(¹)	(¹)	(¹)	
	Amines, all other <i>Air Products & Chemicals, Inc.</i> <i>Exxon Chemical Americas</i> <i>Lonza, Inc.</i> <i>Monsanto Co.</i>	(¹)	(1)	(1)	
	N-(arachidyl behenyl alkyl) trimethylene diamine <i>Enenco, Inc.</i>	(¹)	(¹)	(¹)	
	Bisaminopropyl-methylamine <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Bis-hexamethylenetriamine amine <i>E.L Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i> <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Di-amine derivatives of dimer acids <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Diethylenetriamine <i>Dow Chemical Co.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Diethylenetriamine, alkoxyated <i>Company nor disclosed</i>	(¹)	(¹)	(¹)	
	Dimethylaminopropylamine <i>Air Products & Chemicals, Inc.</i> <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	3-Dimethylaminopropylamine <i>Texaco Chemical Co.</i>	(1)			
	2-Ethanediamine, n-12-aminoethyl)- <i>Lonza, Inc.</i>		(1)	(1)	
	Fatty acid/polyamine condensates <i>Company not disclosed</i>		(1)		
	N-19-Octadecenyltrimethylenediamine <i>Akzo Nobel, Inc</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)	(1)	
	Pentaethylenehexamine <i>Dow Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>		(¹)	(¹)	
	Steric acid dimethylaminopropylamine <i>Mona Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Tetraethylenepentamine <i>Dow Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Tetramethylethylenediamine <i>Buckman Laboratories, Inc.</i>	(¹)	(¹)	(¹)	
	Tridecyl alcohol, ethoxylated and phosphated, polyalkylene polyamine salt <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Triethylenediamine <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Triethylenetetramine <i>Dow Chemical Co.</i> <i>Lonza, Inc.</i> <i>Texaco Chemical Co.</i>	13,405	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29212900 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	69,495	61,201	134,637	\$ 2.20
292130	Cyclanic, cyclonic or cycloterpenic mono- or polyamines, and their derivatives; salts thereof	4,960	(¹)	(¹)	
29213010	Cyclonic, cyclonic, cycloterpenic mono- or polyamines, derivatives and salts, from any aromatic compound; in add. U.S. note 3, sec. VI 1,3 Diaminocyclohexane	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>	(¹)	(¹)	(¹)	
	<i>N,N-Diethylcyclohexylamine</i>	(¹)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>N-Ethylcyclohexylamine (Herbicide intermediate)</i>	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Gabapentin</i>	(¹)	(¹)	(¹)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29213020	Cyclanic, cyclonic or cycloterpenic mono- or polyamines, and their derivatives and salts, derived from any aromatic compounds, nesi i9-(1-Cyclohexenyl)ethylamine	2,972	3,513	11,500	3.27
	<i>Zeeland Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	<i>Cyclohexylamine</i>	(¹)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Dicyclohexylamine</i>	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Occidental Chemical Corp., Chemical Group</i>				
	<i>N,N-Dimethylcyclohexylamine</i>	(1)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Residual Total	2,972	3,513	11,500	3.27
29213050	Cyclanic, cyclonic or cycloterpenic mono- or polyamines, and their derivatives and salts, from any nonaromatic compounds	(¹)	(¹)	(¹)	
	<i>Cyclopropyl amine</i>	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(1)	(1)	(1)	
292130XX	HTS level Residual Total	1,988	(¹)	(¹)	
292141	Aniline and its salts	(¹)	(¹)	(¹)	
29214110	Aniline	449,509	211,995	111,922	0.53
	<i>Aniline (Aniline oil)</i>	449,509	211,995	111,922	0.53
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>First Chemical Corp.</i>				
	<i>ICI Americas, Inc., Polyurethanes Group</i>				
	<i>Mallinckrodt Chemical, Inc. (Raleigh)</i>				
	<i>Rubicon, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
29214120	Aniline salts	(¹)	(¹)	(1)	
	<i>Aniline hydrochloride</i>	(¹)	(¹)	(¹)	
	<i>Aristech Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
292142	Aniline derivatives and their salts	70,970	23, 025	107,025	4.65
29214210	N,N-Dimethylaniline	(¹)	(¹)	(¹)	
	<i>N,N-Dimethylaniline</i>		(¹)	(¹)	
	<i>Buffalo Color Corp.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Residual Total	(¹)	(¹)	(¹)	
29214220	o-Aminobirrizenesulfonic acid (Orthanilic acid); 6-chlorometanilic acid; and other specified aniline derivatives and their salts, nesi	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214220 —Continued					
	2-chloro-5-nitroaniline <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	3,4-Dichloroaniline <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	p-Fluoroaniline <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29214225	Fast color bases of aromatic aniline derivatives and their salts, nesi	(1)	(1)	(1)	
	4,4',4''-Methyldiylne-trisIN,N-dimethylbenzeneamine) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29214230	Aniline derivatives and their salts nesi, described in additional U.S. note 3 to section VI	776	(1)	(1)	
	Anilinomethanesulfonic acid and salt <i>Miles, Inc., Dyes & Pigments Div.</i>	(1)	(1)	(1)	
	2-Bromo-4,6-dinitroaniline <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(1)	(1)		
	2,6-Dibromo-4-nitroaniline <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(1)	(1)	(1)	
	3-Diethylamino-6-methyl-7-(2,4-dimethylanilino) fluoran <i>ESCO Co., L.P.</i>	(1)	(1)	(1)	
	N-Methyl-p-nitroaniline <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Oxirane methanol carboxylates/methylenebis (benzeneamine) <i>Henkel Corp.</i>			(1)	
	Residual Total	776		(1)	
29214275	HIS Level Residual Total	45,016	12,412	63,487	\$ 5.11
	1-Amino-2-chlorobenzene <i>Lomac, Inc.</i>	(1)	(1)	(1)	
	Benzidine base <i>Alliance Chemical, Inc.</i>			(1)	
	o-Chloroaniline <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)		(1)	
	3,3'-Dichlorobenzidine base and salts <i>Lomac, Inc.</i>	(1)	(1)	(1)	
	2,6-Diethylaniline <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	N,N-Diethylaniline <i>Buffalo Color Corp.</i>	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	2,5-Dimethoxyaniline, ethoxylated <i>Milliken & Co., Milliken Chemical Div.</i>	(1)	(1)	(1)	
	N,N-Dimethylbenzylamine <i>Zeeland Chemical, Inc.</i>	(1)	(1)	(1)	
	2,6-Dinitro-N,N-dipropyl cumidine <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	N-Ethylaniline, refined <i>Buffalo Color Corp.</i>	(1)	(1)	(1)	
	<i>First Chemical Corp.</i>				
	6-Ethyl-2-methylaniline <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	o-Nitroaniline	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214275 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Monsanto Co.				
	p-Nitroaniline	(¹)	(¹)	(¹)	
	Monsanto Co.				
	Residual Total	45,016	12,412	63,487	\$ 5.11
292142XX	HTS Level Residual Total	25,179	9,850	43,538	4.42
292143	Toluidines and their derivatives; salts thereof	(¹)	(¹)	(¹)	
29214310	3-Chloro-o-toluidine; 4-chloro-o-toluidine and hydrochloride; and other specified toluidines and their derivatives end salts thereof	(1)	(¹)	(¹)	
	N,N-Dimethyl-p-toluidine	(1)	(1)	(1)	
	First Chemical Corp.				
	RSA Corp.				
	Residual Total	(¹)	(¹)	(¹)	
29214320	Toluidines and their derivatives nest; salts thereof, described in additional U.S. note 3 to section VI	32,639	(1)	(1)	
	N,N-Dimethyl-m-toluidine	(¹)	(¹)	(¹)	
	RSA Corp.				
	N-Ethyl-m-toluidine	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	First Chemical Corp.				
	m-Toluidine	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	First Chemical Corp.				
	o-Toluidine	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	First Chemical Corp.				
	p-Toluidine	(¹)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	First Chemical Corp.				
	a, a, a-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (Trifluralin)	(¹)	(¹)	(¹)	
	Eli Lilly & Co.				
	a,a,a-Trifluoro-2,6-dinitro-N-ethyl-N-(2-methyl-2-propeny1)-p-toluidine (Ethylfluralin)	(¹)	(¹)	(¹)	
	Eli Lilly & Co.				
	Residual Total	32,639	(¹)	(¹)	
29214360	Toluidines, their derivatives and salts, nest	4,883	(¹)	(¹)	
	4-Amino-m-toluenesulfonic acid [80 ₃ H=1]	(¹)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	6-Amino-m-toluenesulfonic acid [80 ₃ H=11]	(1)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Phthalchem, Inc.				
	N,N-Bis(2-hydroxyethyl)-p-toluidine	(¹)	(¹)	(¹)	
	RSA Corp.				
	N-Butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine (Benefin)	(¹)	(¹)	(¹)	
	Eli Lilly & Co.				
	N-(2-Chloroethyl)-N-ethylaniline	(1)	(1)	(1)	
	Miles, Inc., Dyes & Pigments Div.				
	3-Chloro-p-toluidine INH2=11	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Dibenzylamine	(¹)	(1)	(1)	
	Zeeland Chemical, Inc.				
	N,N-Diethyl-m-toluidine	(¹)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	N,N-Diethyl-p-toluidine	(¹)	(¹)	(¹)	
	RSA Corp.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214360 — Condnued					
<i>Chemical description/Manufacturer—Continued</i>					
	N,N'-Diphenyl-p-phenylenediamine	(¹)	(1)		
	<i>B F Goodrich Co.</i>				
	m-Toluidine, ethoxylated	(¹)	(1)	(¹)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Residual Total	4,883		(1)	
292144	Diphenylamine and its derivatives; salts thereof	65,970	18,123	52,890	\$ 2.92
29214410	Nitrodiphenylamine	(¹)	(¹)	(¹)	
	Nitrodiphenylamine	(¹)	(1)	(1)	
	<i>Cytec Industries</i>				
	<i>Monsanto Co.</i>				
	Residual Total	(¹)	(¹)	(1)	
29214420	Diphenylamine and its derivatives (except nitrodiphenylamine); salts thereof, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	N-Ethyl-N-phenylbenzylamine	(¹)	(¹)	(¹)	
	<i>Hilton Davis Chemical Co.</i>				
	Nonyldiphenylamine mixture (Mono-, di-, and tri-)	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Octyldiphenylamine, alkylated	(1)	(¹)	(¹)	
	<i>B F Goodrich Co.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29214450	Diphenylamine derivatives; salts thereof, nesi	(¹)	(¹)	(¹)	
	Diphenylamine	(¹)	(¹)	(¹)	
	<i>Rubicon, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Octyldiphenylamine	(¹)	(¹)	(1)	
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
292144XX	HIS Level Residual Total	65,970	18,123	52,890	2.92
292145	1-Naphthylamine (alpha-Naphthylamine), 2-Naphthylamine (beta-Naphthylamine), and their derivatives; salts thereof	(¹)	(¹)		
29214530	1-Naphthylamine and 2-naphthylamine derivatives nesi; salts thereof, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	Sertraline	(¹)	(¹)	(1)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
29214550	1-Naphthylamine, 2-naphthylamine, their derivatives nesi and their salts, nesi	(1)	(1)	(1)	
	7-Anilino-4-hydroxy-2-naphthalenesulfonic acid	(¹)	(¹)	(¹)	
	<i>Parish Chemical Co.</i>				
	d(t)a-Phenylethylamine	(¹)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Phenyglycol esters	(¹)	(¹)	(¹)	
	<i>Buffalo Color Corp.</i>				
	Residual Total	(1)	(¹)	(¹)	
292149	Aromatic monoamines and their derivatives; salts thereof, nesi	2,639	1,927	26,309	13.65
29214910	4-Amino-2-stilbenesulfonic acid and its salts, p-ethylaniline; 2,4,6-trimethylaniline (Mesidine); and specified xylydines	(¹)	(¹)	(¹)	
	2,4-Xylydine (m-4-Xylydine)	(¹)	(¹)	(¹)	
	<i>First Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29214920	Amitriptylene hydrochloride		(¹)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214920 —Continued					
	Amitriptyline hydrochloride <i>Ganes Chemicals, Inc.</i> <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29214935	Antidepressants, tranquilizers and other psychotherapeutic agents from aromatic monoamines and their derivatives; salts thereof, nesi	7	5	4,127	\$799.07
	Amphetamine <i>Arenol Chemical Corp.</i>		(1)	(1)	
	Amphetamines, all other <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Amphetamine sulfate <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Dextroamphetamine sulfate <i>Arenol Chemical Corp.</i> <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Hydroxyamphetamine hydrobromide <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Maprotiline hydrochloride <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	Methamphetamine hydrochloride <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Nortriptyline hydrochloride <i>Eli Lilly & Co.</i> <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Protriptyline hydrochloride <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	Trancylpramine sulfate <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Residual Total	7	5	4,127	799.07
29214940	Drugs nesi of aromatic monoamines and their derivatives; salts thereof	34			
	Deprenyl hydrochloride <i>Arenol Chemical Corp.</i> <i>Company not disclosed</i>	(1)	(1)	(1)	
	Nadolol <i>Bristol Myers Squibb Co.</i>		(1)	(1)	
	Orphenadrine citrate <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Phentermine <i>Ganes Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	34		(1)	
29214945	Aromatic monoamines and their derivatives nesi; salts thereof, described in additional U.S. note 3 to section VI	1,300	963	3,214	3.34
	Benzylamine <i>Kalama Chemical, Inc.</i> <i>Zeeland Chemical, Inc.</i>	(1)	(1)	(1)	
	Diisopropyl-naphthalene sulfonic acid, amine salts <i>Company not disclosed</i>	(1)	(1)	(1)	
	2,6-Xylidine <i>First Chemical Corp.</i>	(1)	(1)	(1)	
	Xylidine, original mixture <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Residual Total	1,300	963	3,214	3.34
29214950	Aromatic monoamines and their derivatives and salts thereof, nesi				
	Dibenzylamine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214950 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Kalama Chemical, Inc.</i>				
	2-Ethylhexyl-1-p-dimethylaminobenzoate		(¹)	(¹)	
	<i>ISP Van Dyk, Inc.</i>				
	N-Methylbenzylamine	(¹)	(¹)		
	<i>Zeeland Chemical, Inc.</i>				
	a-Phenethylamine	(¹)		(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	2-Phenethylamine	(¹)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
292149XX	HTS Level Residual Total	1,298	936	18,968	\$ 20.27
292151	o-,m-,p-Phenylenediamine, diaminotoluenes, and their derivatives; salts thereof	(¹)	(9)	(¹)	
29215110	4-Amino-2-(1N,N-Diethylamino)-toluene hydrochloride; m- and o-phenylenediamine; toluene-2,4 and -2,5-diamine; and toluene-2,5-diamins sulfate	(¹)	(1)	(¹)	
	m-Phenylenediamine	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>First Chemical Corp.</i>				
	o-Phenylenediamine		(¹)		
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	p-Phenylenediamine	(¹)	(¹)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Toluene-2,4-diamine (4-m-Tolylenediamine)	174,005	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Olin Corp.</i>				
	<i>Rubicon, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29215120	Photographic chemicals of o-, m-, p-phenylenediamine, diaminotoluenes, and their derivatives, and salts thereof	(¹)	(¹)	(¹)	
	4-N-11-Pyrrolidyl-m-toluenediazonium chloride	(¹)	(¹)	(¹)	
	<i>Alliance Chemical, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29215130	o-, m-, p-Phenylenediamine, diaminotoluenes, and their derivatives, and salts thereof, described in additional U.S. note 3 to section VI	6,689	3,557	8,266	2.32
	p-Phenylenediamines, substituted, other	(1)	(¹)	(¹)	
	<i>Kenrich Petrochemicals, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Toluene-2,3-(and 3,4)-diamine (35/65 Mixture)	(1)	(1)	(1)	
	<i>Olin Corp.</i>				
	Toluene-3,4-diamine	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Residual Total	6,689	3,557	8,266	2.32
29215150	o-, m-, p-Phenylenediamine, and diaminotoluenes, and their derivatives, and salts thereof, nesi	29,735	15,123	92,442	6.11
	2-(Benzylamino)ethanol	(1)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	N,W-Bis(1,4-dimethylpentyl-11-p-phenylenediamine	(1)	(1)	(¹)	
	<i>Monsanto Co.</i>				
	<i>UOP, Inc.</i>				
	N,N'-Bis(1-ethyl-3-methylpentyl)-p-phenylenediamine	(¹)	(¹)	(¹)	
	<i>UOP, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				

See endnotes at end of table.

Table 3 1 Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29215150 —Continued					
Chemical description/Manufacturer—Continued					
	N,N'-Bis(1-methylheptyl)-p-phenylenediamine <i>UOP, Inc.</i>			(1)	
	3,5-Diethyltoluene-2,4-diamine <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	N,N'-Diisopropyl-p-phenylenediamine <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Ethyl Corp.</i>	(1)	(1)	(1)	
	N-11,3-Dimethylbutyl-N-phenyl-1,4-benzenediamine <i>Miles, Inc., Dyes & Pigments Div.</i>	(1)	(9)		
	N-11,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine <i>UOP, Inc.</i>	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	N ³ ,N ³ -Di-N-propyl-2,4-dinitro-6-(trifluoromethyl)-N-phenylenediamine <i>Sandoz Agro, Inc.</i>	(1)	(1)	(1)	
	N-(2-Hydroxyethyl)-1,2-diphenylethylenediamine <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	N-Isopropyl-N'-phenyl-p-phenylenediamine <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine <i>UOP, Inc.</i>	(9)	(1)		
	N-11-Methylpentyl)-N'-phenyl-p-phenylenediamine <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	29,735	15,123	92,442	\$ 6.11
292159	Aromatic polyamines and their derivatives; salts thereof, nesl	(1)	761	4,696	6.17
29215930	4,4'-Methylenedianiline	(1)	(1)	(1)	
	4,4'-Methylenedianiline <i>Rubicon, Inc.</i>			(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29215940	Aromatic polyamines and their derivatives and salts thereof, described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Naphthenic acid/polyamine condensates <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29215950	Aromatic polyamines and their derivatives; and salts thereof, nesl	(1)	(1)	(1)	
	3,3'-Diaminodiphenyl sulfone <i>Crown Metro, Chemicals Inc.</i>	(1)	(1)	(1)	
	4,4'-Di-sec-butylaminodiphenylmethane <i>UOP, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(9)		
292159XX	HTS Level Residual Total	(1)	761	4,696	6.17
2921XX	HTS Level Residual Total	1,047,639	136,931	130,617	0.95
2922	Oxygen-function amino-compounds	945,057		(1)	
292211	Monoethanolamine and its salts		78,948	60,677	0.77
29221100	Monoethanolamine and Its salts	(1)	78,948	60,677	0.77
	2-Aminoethanol hydrochloride <i>Company not disclosed</i>		(1)	(1)	
	Dodecylbenzenesulfonic acid, monoethanolamine salt <i>BASF Corp, (Parsippany, NJ)</i>	115	(1)	(1)	
	<i>Essential Industries, Inc.</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	Monoethanolamine <i>Dow Chemical Co.</i>	127,070	78,732	60,353	0.77

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221100 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Olin Corp.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
	Sulfosuccinic acid, ricinoleamide monoethanolamine, disodium salt	(¹)		(¹)	
	Mona Industries, Inc.				
	Residual Total	(¹)	216	324	\$ 1.50
292212	Diethanolamine and its salts	98,418	93,265	67,172	0.72
29221200	Diethanolamine and its salts	98,418	93,265	67,172	0.72
	Boric acid, diethanolamine salt	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Sou Tex Works				
	Diethanolamine	97,914	93,006	66,627	0.72
	Dow Chemical Co.				
	Olin Corp.				
	Oxy Petrochemicals, Inc.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
	Dodecylbenzenesulfonic acid, diethanolamine salt	(¹)	(¹)	(¹)	
	Leatex Chemical Co.				
	Lonza, Inc.				
	Mona Industries, Inc.				
	Virk/er Co.				
	Dodecyl sulfate, diethanolamine salt	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Stepan Co.				
	Oleic acid, diethanolamine salt	(¹)	(¹)	(¹)	
	Quaker Chemical Corp.				
	Rhone Poulenc, Inc.				
	Residual Total	504	259	545	2.11
292213	Triethanolamine and its salts	95,691	(¹)	(¹)	
29221300	Triethanolamine and its salts	95,691	(¹)	(¹)	
	Dodecylbenzenesulfonic acid, triethanolamine salt	1,070	1,138	1,602	1.41
	C.N.C. International				
	Essential Industries, Inc.				
	Grant Industries, Inc.				
	Hart Products Corp.				
	Henkel Corp.				
	Lonza, Inc.				
	Piedmont Chemical Industries, Inc.				
	Pilot Chemical Co.				
	Ruetgers Neese Corp.				
	Stepan Co.				
	Witco Corp.				
	Dodecyl sulfate, triethanolamine salt	2,283	1,886	5,656	3.00
	Gillette Chemical Co.				
	Henkel Corp.				
	Lonza, Inc.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	2-Ethylhexyl phosphate, triethanolamine salt	(¹)	(1)	11)	
	Exxon Chemical Americas				
	Oleic acid, triethanolamine salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	Stearic acid, triethanolamine salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	Lonza, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221300 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>SBS Products, Inc.</i>				
	Triethanolamine	91,240	86,876	67,485	\$ 0.78
	<i>Dow Chemical Co.</i>				
	<i>Olin Corp.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Triethanolamine, ethoxylated	(¹)	(¹)	(¹)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>RSA Corp.</i>				
	Triethanolamine phosphate ester	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Triethanolamine, sulfuric & phosphoric acid salts	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Triethanolamine titanate	(¹)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Residual Total	1,098	(¹)	(¹)	
292219	Amino-alcohols, their ethers and esters, other than those containing more than one kind of oxygen function; salts thereof, nesi		70,425	191,293	2.72
29221910	Diphenhydramine; and tamoxifen citrate	(¹)	(¹)	(¹)	
	Diphenhydramine citrate	(¹)	(1)	(¹)	
	<i>Wyckoff Chemical Co., Inc.</i>				
	Diphenhydramine hydrochloride	(¹)	(¹)	(¹)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29221912	Propoxyphene hydrochloride	(¹)	(¹)	(¹)	
	Propoxyphene hydrochloride	(¹)	(¹)	(¹)	
	<i>Eli Lilly Industries, Inc.,</i>				
	<i>Ganes Chemicals, Inc.</i>				
	Propoxyphene napsylate	151	(1)	(1)	
	Abbott Laboratories				
	<i>Eli Lilly Industries, Inc.,</i>				
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29221915	Aromatic drugs nesi of amino-alcohols, their ethers and esters, except those cont. more than one kind of oxygen function; salts thereof	(¹)	(¹)	(¹)	
	Propranolol hydrochloride	(1)	(¹)	(¹)	
	<i>Wyckoff Chemical Co., Inc.</i>				
	Residual Total	11	(¹)	(¹)	
29221930	Aromatic amino-alcohols, their ethers and esters, except those coat. more than one oxygen function; salts, in add. U.S. 3 to note sec. VI	(¹)	(¹)	(¹)	
	Dodecylbenzenesulfonic acid, isopropanolamine salt	(¹)	(¹)	(¹)	
	<i>Pilot Chemical Co.</i>				
	2-(Ethyl113-methylphenylamino)ethanol	(¹)	(1)	(1)	
	<i>First Chemical Corp.</i>				
	Residual Total	(¹)	(1)	(¹)	
29221940	Aromatic amino-alcohols, their ethers and esters, except those containing more than one oxygen function; salts thereof, nesi	(¹)	440	3,051	6.93
	p-Anilinophenol	(¹)	(¹)	(¹)	
	<i>B F Goodrich Co.</i>				
	a-(N-Ethylanilino)-m-toluenesulfonic acid	(1)	(1)	(¹)	
	<i>Hilton Davis Chemical Co.</i>				
	4,4'-Oxydianiline	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit
		1,000 Kilograms	Quantity	Value	value
			1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221940 —Continued					
Chemical description/Manufacturer—Continued					
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Residual Total	(1)	440	3,051	\$ 6.93
29221950	Nonaromatic alcohols, their ethers and esters, except those cont. more than one kind of oxygen function; salts thereof, noel	103,304	69,183	171,729	2.48
	Aminoethoxyethanol	(1)	(1)	(1)	
	Texaco Chemical Co.				
	2-(2-Aminoethylamino)ethanol (Aminoethylethanolamine)	(1)	(1)		
	Dow Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
	(2-Aminoethyl) amino ethanol, reaction product with octadecanoic acid	(1)	(1)	(1)	
	Burlington Industries				
	2-Amino-2-ethyl-1,3-propanediol		(1)	(1)	
	Angus Chemical Co.				
	2-Amino-2-(hydroxymethyl)-1,3-propanediol [Tris (hydroxymethyl) aminomethane]	(1)		(1)	
	Angus Chemical Co.				
	2-Amino-2-methyl-1,3-propanediol	(1)	(1)	(1)	
	Angus Chemical Co.				
	2-Amino-2-methyl-1-propanol	(1)	(1)	(1)	
	Angus Chemical Co.				
	2-Amino-2-methyl-1-propanol hydrochloride	(1)	(1)	(1)	
	C.N. C. International				
	3-Amino-1-propanol		(1)	(1)	
	BASF Corp. (Parsippany, NJ)				
	Borane t-butylamine complex	(1)	(1)	(1)	
	Company not disclosed				
	tert-Butylaminoethyl methacrylate	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				
	Rhone Poulenc, Inc.				
	tert-Butyldiethanolamine	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	tert-Butyl ethanolamine		(1)	(1)	
	Elf Atochem North America, Inc.				
	2-Dibutylaminoethanol		(1)	(1)	
	Elf Atochem North America, Inc.				
	Dibutylaminomethanol, condensed with formaldehyde	(1)	(1)	(1)	
	Company not disclosed				
	2-Diethylaminoethanol (N,N-Diethylethanolamine)		(1)	(1)	
	Elf Atochem North America, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	2-(2-Diethylaminoethoxy)ethanol	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	2-Diethylaminoethyl methacrylate	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	2-Diisopropylaminoethanol (N,N-Diisopropylethanolamine)	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	2-Dimethylaminoethanol (N,N-Dimethylethanolamine)	19,848	(1)	(1)	
	Elf Atochem North America, Inc.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Dimethylaminoethyl acrylate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221950 —Continued					
Chemical description/Manufacturer—Continued					
	CPS Chemical Co., Inc.				
	Dimethylaminoethyl methacrylate	(¹)	(¹)	(0)	
	CPS Chemical Co., Inc.				
	Rhone Poulenc, Inc.				
	Dimethylaminomethanol	(¹)	(1)	(¹)	
	Company not disclosed				
	1-(Dimethylamino)-2-propanol	(0)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Ethoxy-ethoxy-t-butyl amino	(¹)	(0)	(¹)	
	Synalloy Corp., Blackman Uhler Chemical Div.				
	2-Ethylaminoethanol (Ethylmonoethanolamine)	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	2-1(Hydroxymethyl)amino)-2-methylpropanol	(¹)	(0)	(¹)	
	Troy Chemical Corp.				
	Isodecyloxypropylamine		(¹)	(0)	
	Exxon Chemical Americas				
	Isodecyloxypropylamine acetate	(¹)	(9)	(¹)	
	Exxon Chemical Americas				
	Isodecyloxypropylaminopropylamine	(¹)	(¹)	(¹)	
	Exxon Chemical Americas				
	2-Isopropylaminoethanol	(¹)	(0)		
	Elf Atochem North America, Inc.				
	3-Methoxypropylamine	3,768	3,681	7,810	\$ 2.12
	BASF Corp, (Parsippany, NJ)				
	Elf Atochem North America, Inc.				
	Texaco Chemical Co.				
	2-Methylaminoethanol (N-Methylethanolamine)	(¹)	(¹)	(¹)	
	Union Carbide Corp., Industrial Chemicals Div.				
	N-(1-Methylheptyl)ethanolamine	(¹)	(¹)	(¹)	
	UOP, Inc.				
	2,2%1Methyliminoldiethanol (Methyldiethanolamine)	10,823	7,579	22,768	3.00
	Dow Chemical Co.				
	Elf Atochem North America, Inc.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Mixed higher glycol amine (MHGA)	(¹)	(¹)	(¹)	
	Air Products & Chemicals, Inc.				
	Dixie Chemical Co., Inc.				
	Monoisopropanolamine	(¹)		(¹)	
	Dow Chemical Co.				
	Octyl/decyloxypropylamine	(1)		(1)	
	Exxon Chemical Americas				
	N-n-Octyl glucamine	(¹)	(¹)	(¹)	
	Company not disclosed				
	Pentyl aminoethanol	(1)	(1)	(¹)	
	Elf Atochem North America, Inc.				
	Residual Total	68,866	57,923	111,893	1.93
292219XX HTS Level Residual Total		1,490	802	16,514	20.59
292222 Anisidines, dianisidines, phenetidines, and their salts			(¹)	(¹)	
29222210 o-Anisidine; p-anisidine; and p-phenetidine			(1)	(1)	
	p-Phenetidine	(¹)		(¹)	
	Monsanto Co., Agricultural Group				
	Residual Total	(¹)	(¹)	(¹)	
	5-Methyl-o-anisidine [NH ₂ =1]	(¹)	(¹)	(¹)	
	PMC Inc., PMC Specialities Group, Inc.				
	Residual Total	(¹)		(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
292229	Amino-naphthols & other amino-phenols, their ethers & esters, other than those cont. more than one kind of oxygen function; salts, nesi		(1)	(1)	
29222927	Drugs of amino-naphthols and -phenols, their ethers and esters, except those cont. more than one oxygen function; salts thereof, nesi		(1)	(1)	
	Dobutamine	(1)	(1)	(1)	
	Abbott Laboratories				
	Eli Lilly & Co.				
	Residual Total	(1)	(1)	(1)	
29222935	Amino-naphthols and -phenols, their ethers/esters, except those cont. more than one oxygen funct.; salts, noel, in add. U.S. note 3, sec. VI		(1)	(1)	
	Aniline, ethoxylated	(1)	(1)	(1)	
	Milliken & Co., Milliken Chemical Div.				
	Residual Total	(1)	(1)	(1)	
29222950	Amino-naphthols and amino-phenol, their ethers, esters, except those with more than one kind of oxygen function; and salts thereof, nesi	(1)	1,664	6,594	\$ 3.96
	p-Aminophenol	(1)	(1)	(1)	
	Mallinckrodt Chemical, Inc. (Raleigh)				
	2,6-Di-tert-butyl-alpha-dimethylamino-p-cresol	(1)	(1)	(1)	
	Ethyl Corp.				
	4-Hydroxymetanilic acid	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	p-(2-Naphthylamino)phenol (N-lp-Hydroxyphenyl-2-naphthylaminel	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Sodium ferric ethylenediaminedihydroxyphenylacetate	(1)	(1)	(1)	
	Company not disclosed				
	N-Stearoyl-p-aminophenol	(1)	(1)	(1)	
	Zeeland Chemical, Inc.				
	Trildimethylaminomethylphenol	(1)	(1)	(1)	
	Pelson Corp.				
	Residual Total	(1)	1,664	6,594	3.96
292230	Amino-aldehydes, amino-ketones and amino-quinones, other than those containing more than one kind of oxygen function; salts thereof	40		(1)	
29223020	Aromatic amino-aldehydes, -ketones and -quinones, except those with more than one oxygen function; salts, in add. U.S. note 3, sec. VI			(1)	
	Bupropion hydrochloride	(1)	(1)	(1)	
	Company not disclosed				
	Residual Total	(1)	(1)	(1)	
	p-(Diethylamino)benzaldehyde	(1)	(1)	(1)	
	Hilton Davis Chemical Co.				
	Fluoxetine	(1)	(1)	(1)	
	Eli Lilly Industries, Inc.,				
	Residual Total	(1)	(1)	(1)	
	2-Amino- 1 -bromo- 3-chloroantraqu inone	(1)	(1)	(1)	
	Phillips 66 Co.				
	4,8-Diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo-2,6-anthracenedisulfonic acid	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Ketamine hydrochloride	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Residual Total	(1)	(1)	(1)	
292230XX	HTS Level Residual Total	40	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales Quantity	Value	Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
292249	Amino-aldehydes, amino-ketones and amino-quinones, other than those containing more than one kind of oxygen function; salts thereof, nesi	472,616	(1)	(1)	
29224910	m-Aminobenzoic acid, technical and other specified aromatic amino-acids and their esters, except those with more than one oxygen function	Pi	(1)	(1)	
	p-Aminobenzoic acid, tech.	(1)	(1)	11	
	National Starch & Chemical Co.				
	Wyckoff Chemical Co., Inc.				
	Diatrizoate, sodium	I)	II	(1	
	Sterling Drug, Inc., Sterling Organics Div.				
	Methyl anthranilate	(1)	(1)	(1)	
	PMC Inc., PMC Specialities Group, Inc.				
	Phenyl alanine	(1)	(1)	(1)	
	NutraSweet Co.				
	Residual Total	(1)	(1)	(1)	
29224925	HTS Level Residual Total	230	71	9,789	\$137.60
	Aminobenzoic acid, potassium salt	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Benzoatate	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Wyckoff Chemical Co., Inc.				
	Caramiphen edisylate	(1)	(1)	(1)	
	Lonza, Inc.				
	lothalamate, meglumine	I)	1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Levodopa	(1)	(1)	(1)	
	G.D. Searle & Co.				
	Meclofenamate, sodium	(1)	I)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Wyckoff Chemical Co., Inc.				
	Meclofenamic acid	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Mefenamic acid	(1)	(1)	I)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Oxybutynin chloride	(1)	(1)	(9	
	Abbott Laboratories				
	Probenecid	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Tetracaine hydrochloride	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Residual Total	230	71	9,789	137.60
29224930	Aromatic amino-acids and their esters, exc. those with more than one oxygen function; salts, described in add. U.S. note 3, sec. VI	3,129	2,868	10,711	3.74
	6-Amino-5-chloro-m-toluenesulfonic acid ISO ³ H =11 (2B Acid)	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Lomac, Inc.				
	Phthalchem, Inc.				
	Ethyl anthranilate	(9	(1)	(1)	
	American Bio Synthetics Corp.				
	Ethyl 4-dimethylaminobenzoate	(1)	(1)	(1)	
	first Chemical Corp.				
	Hydroxycitronellal methyl anthranilate	(1)	(1)	(1)	
	Givaudan Corp.				
	International Flavors & Fragrances, Inc.				
	Linalyl anthranilate	(1)	(1)	(1)	
	Fragrance Resources, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224930 —Continued					
	Methyl N-methylantranilate <i>American Bio Synthetics Corp.</i>		(1)	(1)	
	Octyldimethyl-p-aminobenzoate <i>Mallinckrodt Chemical, Inc. (Raleigh)</i>	(1)	(1)	(1)	
	Sulfanilic acid (p-Aminobenzenesulfonic acid) and salt <i>R M Industries, Inc.</i>	(1)	(1)		
	Residual Total	3,129	2,868	10,711	\$ 3.74
29224935	Aromatic amino-acids and their esters, except those containing more than one oxygen function; salts thereof, nesi		8,493	63,698	7.50
	Amino acids and salts, acyclic, all other <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Amino acids and salts, cyclic, all other <i>Ajinomoto USA, Inc.</i>	(1)	(1)	(1)	
	o-Anisidinomethanesulfonic acid <i>Miles, Inc., Dyes & Pigments Div.</i>	(1)	(1)	(1)	
	Anthranilic acid (o-Aminobenzoic acid) <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	N,N'-11,5-Anthraquinonylene)dianthranilic acid <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt <i>Riverdale Chemical Co.</i>	(1)	(1)	(1)	
	2,5-Dianilinoterephthalic acid <i>Miles, Inc., Dyes & Pigments Div.</i>	(1)	(1)	(1)	
	2,4-Dichlorophenoxyacetic acid,dimethylamine salt <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	2,4-Dichlorophenoxyacetic acid,ethanolamine and isopropanolamine salts <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	2-12,4-Dichlorophenoxy)propionic acid, dimethylamine salt <i>Riverdale Chemical Co.</i>	(1)	(1)	(1)	
	2,5-Di-p-toluidinoterephthalic acid <i>Miles, Inc., Dyes & Pigments Div.</i>	(1)	(1)	(1)	
	2-Nitro-N-benzoylaniline <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	N-Phenylglycine <i>Eastman Kodak Co.</i>	(1)	(1)	(1)	
	Phenylglycine, sodium salt <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	8,493	63,698	7.50
29224940	Nonaromatic amino-acids, other than those containing more than one kind of oxygen function, nesi				
	Aspartic acid <i>Monsanto Co.</i>	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	N,N-Bis(2,2-acetamidolglycine <i>Pierce Chemical Co.</i>		(1)	(1)	
	N-Cocoalkyl trimethylenediamine adipate <i>Buckman Laboratories, Inc.</i>	(1)	(1)		
	(Ethylenedinitrilo)tetraacetic acid (EDTA) <i>Ciba Geigy Corp.</i>	(1)	2,990	9,523	3.19
	<i>Dow Chemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224940 —Continued					
Chemical description/Manufacturer—Continued					
	Hampshire Chemical Corp., Hampshire Chemicals				
	Glycine (Aminoacetic acid), non-medical	(1)	(¹)	(¹)	
	Chattem, Inc.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	Iminodiacetic acid	(¹)	(¹)	(¹)	
	Hampshire Chemical Corp., Hampshire Chemicals				
	Nitrilotriacetic acid	(¹)	(¹)		
	Hampshire Chemical Corp., Hampshire Chemicals				
	Monsanto Co.				
	Residual Total	(1)	(1)	(¹)	
29224950	Nonaromatic esters of amino-acids, other than those containing more than one kind of oxygen function near; salts thereof	(¹)	64,697	70,827	1.09
	N-Coco-N,N-dimethylamines	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Cyanuric chloride	(¹)	(¹)		
	Ciba Geigy Corp.				
	(Ethylenedinitrilo)tetraacetic acid, calcium disodium salt	(¹)	(¹)	(¹)	
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	Hickson Danchem Corp.				
	(Ethylenedinitrilo)tetraacetic acid, diammonium salt	(1)	(¹)	(¹)	
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(Ethylenedinitrilo)tetraacetic acid, disodium copper salt, dihydrate	(1)	(1)	(¹)	
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	Hickson Danchem Corp.				
	(Ethylenedinitrilo)tetraacetic acid, disodium salt	2,113	1,618	4,697	2.90
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(Ethylenedinitrilo)tetraacetic acid, disodium zinc salt, dihydrate	(¹)		(¹)	
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(Ethylenedinitrilo)tetraacetic acid, magnesium salt	(1)	(1)	(¹)	
	Shell Oil Co., Shell Chemical Co.				
	(Ethylenedinitrilo)tetraacetic acid, manganese salt	816	(¹)	(¹)	
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(Ethylenedinitrilo)tetraacetic acid, monosodium iron salt	(¹)	(¹)	(¹)	
	Ciba Geigy Corp.				
	Ferro Corp., Bedford Chemical Div.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(Ethylenedinitrilo)tetraacetic acid, tetraammonium salt	(¹)	(¹)	(¹)	
	Dow Chemical Co.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, tetrapotassium salt	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	(Ethylenedinitrilo)tetraacetic acid, tetrasodium salt	(¹)	43,677	38,691	\$ 0.89
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	(Ethylenedinitrilo)tetraacetic acid, trisodium salt	(¹)	(¹)	(¹)	
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	Fatty amines		(¹)	(¹)	
	<i>Union Camp Corp., Chemical Div.</i>				
	Glycine, N,N-bis{2-bis(carboxymethylamino)ethyl}-pentasodium salt	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Glycine, N-(2-{bis(carboxymethylamino)ethyl}-N-2-hydroxyethyl)-,trisodium salt	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Glycine, N,N-1,2-ethanediybis{N-(carboxymethyl)-tetrasodium salt	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Hydrocarbon amine, sulfonate acid	(¹)	(¹)	(¹)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	N-Lauroylsarcosine, sodium salt	(¹)	(¹)	(¹)	
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Laurylamidopropyl betaine	(¹)	(¹)	(¹)	
	<i>Mona Industries, Inc.</i>				
	Laurylamphoglycinate	(¹)	(¹)	(¹)	
	<i>Mona Industries, Inc.</i>				
	Protein hydrosylates	(¹)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Sarcosine	(¹)	(¹)	(¹)	
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	Residual Total	(¹)	19,403	25,488	1.31
	292249XX HTS Level Residual Total	449,982	(1)	(1)	
292250	Amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function	27,073	22,194	58,567	2.64
29225013	Isoetharine hydrochloride and other specified aromatic drugs of amino compounds with oxygen function	(¹)	(¹)	(¹)	
	Albuterol sulfate	(¹)	(1)	(1)	
	<i>Schering Corp.</i>				
	Phenylephrine hydrochloride	(1)	(1)		
	<i>Ganes Chemicals, Inc.</i>				
	Terbutaline sulfate	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
	Methyl dopa	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Phenoxybenzamine hydrochloride	(¹)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Succinylcholine chloride	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	<i>Burroughs Wellcome Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29225016 —Continued</i>					
	Residual Total	(1)	(¹)	(1)	
29225025	Aromatic drugs of amino-compounds with oxygen function, nest	(¹)	(¹)	(¹)	
	Methadone hydrochloride	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	Metoclopramide hydrochloride	(¹)	(1)	(1)	
	<i>B.I. Chemicals, Inc.</i>				
	Phenylephrine bitartrate	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenylpropanolamine bitartrate	(1)	(1)	(1)	
	<i>Arsynco, Inc., Sub. of Aceto Corp.</i>				
	Phenylpropanolamine hydrochloride	(¹)	(¹)	(¹)	
	<i>Arsynco, Inc., Sub. of Aceto Corp.</i>				
	Phenyltoloxamine citrate	(1)	(¹)	(¹)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)	(¹)	(1)	
29225030	Aromatic amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function, described in add. U.S. note 3, sec. VI	(¹)	(1)	(1)	
	m-(Dimethylamino)benzoic acid	(¹)	(¹)	(¹)	
	<i>Hilton Davis Chemical Co.</i>				
	N,N-Dimethylphenyl urea	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	• N-Nitrosophenylhydroxylamine, ethanolamine salt	(1)	(1)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	Residual Total	(1)		(1)	
29225050	Nonaromatic amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function	25,871	21,511	27,307	\$ 1.27
	N,N-Bisa-hydroxyethylboctadecylamine	(¹)	(¹)	(1)	
	<i>Akzo Nobel, Inc</i>				
	<i>Witco Corp.</i>				
	(Diethylenetrinitrilo)pentaacetic acid	(1)	(¹)	(¹)	
	<i>Dow Chemical Co.</i>				
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	(Diethylenetrinitrilo)pentaacetic acid, pentasodium salt	18,080	15,588	12,432	0.80
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	N,N-Dihydroxyethylglycine, sodium salt		(1)	(1)	
	<i>Hampshire Chemiial Corp., Hampshire Chemicals</i>				
	N,N-Dimethyldodecylamine oxide	1,858		(¹)	
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	N,N-Dimethylhexadecylamine oxide	129		(1)	
	<i>Akzo Nobel, Inc</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	N,N-Dimethyl oleyl amine oxide	(¹)	(¹)	(1)	
	<i>Lonza, Inc.</i>				
	Docosylamine, ethoxylated	(1)	(1)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Ethanol diglycine, disodium salt	(¹)	(1)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29225050 —Continued					
Chemical description/Manufacturer—Continued					
	Hampshire Chemical Corp., Hampshire Chemicals				
	4-Ethylmorpholine	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Texaco Chemical Co.				
	Fatty acid, alkanolamine ester	(1)	(1)	(1)	
	Company not disclosed				
	N-Hexadecylmorpholine	(1)	(1)	(1)	
	Akzo Nobel, Inc				
	Lonza, Inc.				
	(N-Hydroxyethylethylenedinitrilo) triacetic acid	(1)	(1)	(1)	
	Hampshire Chemical Corp., Hampshire Chemicals				
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, iron salt	(1)	(1)	(1)	
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, magnesium salt	(1)	(1)	(1)	
	Dow Chemical Co.				
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, trisodium salt	(1)			
	Ciba Geigy Corp.				
	Dow Chemical Co.				
	Hampshire Chemical Corp., Hampshire Chemicals				
	N-Isopropyl hydroxylamine	(1)	(1)	(1)	
	QO Chemicals, Inc.				
	3-Lauramido-N,N-dimethylpropylamine oxide	(1)	(1)	(1)	
	Sequa Chemicals, Inc.				
	2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine	(1)	(1)	(1)	
	Zeneca, Inc., Agricultural Chemicals Div.				
	Residual Total	5,805	2,015	14,874	\$ 7.38
292250XX	HIS Level Residual Total	1,201	684	31,261	45.73
2922XX	HIS Level Residual Total	18,957	(1)	(1)	
2923	Quaternary ammonium salts and hydroxides; lecithins and other phosphoaminolipids	(1)	(1)	(1)	
292310	Choline and its salts	(1)	(1)	(1)	
29231000	Choline and its salts	(1)	(1)	(1)	
	Choline	(1)	(1)	(1)	
	RSA Corp.				
	Syntex Agribusiness, Inc.				
	Choline bicarbonate	(1)	(1)		
	Ducoa, L.P.				
	Syntex Agribusiness, Inc.				
	Choline bitartrate	(1)	(1)	(1)	
	Ducoa, L.P.				
	Syntex Agribusiness, Inc.				
	Choline chloride (animal feed grade)	39,699	(1)	(1)	
	Bioproducts, Inc.				
	Ducoa, L.P.				
	Harcros Chemicals, Inc.				
	Syntex Agribusiness, Inc.				
	Choline chloride (medicinal grade)	(1)	(1)	(1)	
	Ducoa, L.P.				
	Syntex Agribusiness, Inc.				
	Choline dihydrogen citrate	(1)	(1)	(1)	
	Ducoa, L.P.				
	Syntex Agribusiness, Inc.				
	Choline magnesium salicylate		(1)	(1)	
	Napp Technologies, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29231000 —Continued					
Chemical description/Manufacturer—Continued					
	Choline salicylate <i>Arenol Chemical Corp.</i>	(¹)	(¹)		
	Residual Total	(¹)	(¹)		
292310XX	HTS Level Residual Total		(¹)		
292390	Quaternary ammonium salts and hydroxides, except choline and its salts	50,366	45,284	132,569	2.93
29239000	Quaternary ammonium salts and hydroxides, except choline and its salts	50,366	45,284	132,569	2.93
	3-Alkoxy-2-hydroxypropyl trimethyl ammonium chloride <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Benzyl-bis-(hydroxyethyl-(tallow alkyl, ethoxylated)) ammonium chloride <i>High Point Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Benzyl-dimethyloctadecylammonium chloride <i>Croda, Inc.</i> <i>Gillette Chemical Co.</i> <i>Lonza, Inc.</i> <i>PPG Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	826	698	1,696	2.43
	Benzyl-dimethyltetradecylammonium chloride <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Benzyl-dodecyl-dimethylammonium chloride <i>High Point Chemical Corp.</i>	(¹)	(¹)	(¹)	
	1-Benzyl-1-(2-heptadecyl-1-(2-hydroxyethyl)-2-imidazolium chloride) <i>Ca/gene Chemical, Inc.</i>	(¹)		(¹)	
	Benzyl-hexadecyl-dimethylammonium chloride <i>Buckman Laboratories, Inc.</i>	(¹)	(¹)		
	1-Benzyl, 1-(12-tall oil amidoethyl)-2-(tall oil alkyl)-2-(imidazolium chloride) <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Benzyl-triethylammonium chloride <i>Sybron Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Benzyl-trimethylammonium chloride <i>High Point Chemical Corp.</i> <i>RSA Corp.</i> <i>Sybron Chemicals, Inc.</i> <i>Witco Corp.</i>	1,732	1,132	1,971	1.74
	Benzyl-trimethylammonium hydroxide <i>RSA Corp.</i>	(¹)	(¹)	(¹)	
	Betaine hydrochloride <i>Ducoa, L.P.</i> <i>Syntex Agribusiness, Inc.</i>	(¹)	(¹)	(¹)	
	Bethanechol chloride <i>Ganes Chemicals, Inc.</i>	(¹)		(¹)	
	Butyl picolinium bromide <i>Zeeland Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	2-(C ₁₃₋₁₇ Alkyl)-1-(C ₁₄₋₁₈ amidoethyl) (4,5-dimethyl-3-methylimidazolium, methyl sulfate) <i>Dow Chemical Co.</i> <i>Karlshamns, USA</i>	(¹)	(¹)	(¹)	
	3-Chloro-2-hydroxypropyl trimethyl ammonium chloride (1-Propaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride) <i>Degussa Corp.</i>	(¹)	(¹)		

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29239000 — Continued					
	Diallyldimethyl ammonium chloride CPS Chemical Co., Inc. Company not disclosed	(¹)	(¹)	(¹)	
	Didecyldimethylammonium chloride Huntington Laboratories, Inc. Lonza, Inc.	(¹)	(¹)	(¹)	
	Dimethylaminoethylacrylate, methyl chloride, quaternary salt CPS Chemical Co., Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Dimethylaminoethylmethacrylate, dimethyl sulfate, quaternary salt CPS Chemical Co., Inc. Rhone Poulenc, Inc.	(¹)	(¹)	(¹)	
	Dimethylaminoethylmethacrylate, methyl chloride, quaternary salt CPS Chemical Co., Inc. Rhone Poulenc, Inc. Union Carbide Corp., Industrial Chemicals Div.	(1)	(¹)	(¹)	
	Dimethylaminoethylmethacrylate sulfate Rhone Poulenc, Inc.		(¹)	(¹)	
	Dimethyldioctadecylammonium choride Akzo Nobel, Inc Witco Corp.	(¹)		(¹)	
	Distearyldimethyl ammonium methosulfate Zeeland Chemical, Inc.	(¹)	(¹)	(¹)	
	Dodecyltrimethylammonium bromide RSA Corp.	(1)	(1)	(¹)	
	Dodecyltrimethylammonium chloride Akzo Nobel, Inc Jetco Chemicals, Inc. Lonza, Inc.		239	702	\$ 2.93
	Edrophonium chloride Johnson Matthey, Inc.	(1)	(¹)	(9)	
	2,3-Epoxypropyl trimethyl ammonium chloride Degussa Corp.	(¹)	(¹)	(¹)	
	N-Ethyl-N-hexadecylmorpholinium ethyl sulfate ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc.	(1)	(1)	(1)	
	a-Gluconamidopropyl dimethy-2-hydroxyethyl ammonium chloride ISP Van Dyk, Inc.	(1)	(¹)	(¹)	
	Hexadecyltrimethylammonium bromide Akzo Nobel, Inc	(1)	(¹)	(¹)	
	Hexadecyltrimethylammonium chloride Akzo Nobel, Inc Lonza, Inc. Witco Corp.	1,420	1,093	2,949	2.70
	Hexane-1,6-bis(tributylammonium bromide) Zeeland Chemical, Inc.	(¹)		(¹)	
	(2-Hydroxyethyl)dimethyl(13-stearamidopropyl) ammonium dihydrogen phosphate Cytec Industries	(¹)	(¹)	(¹)	
	(2-Hydroxyethyl)dimethyl(13-stearamidopropyl) ammonium nitrate Cytec Industries	(¹)	(¹)	(¹)	
	Isoquinolinium, 2-(phenylmethyl) chloride Company not disclosed	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29239000 —Continued					
	(3-Lauramidopropyl)trimethylammonium methyl sulfate <i>Cytec Industries</i>	(1)	(1)	(1)	
	Lauryl pyridinium chloride <i>Witco Corp.</i>	(1)	(1)	(1)	
	1-Methyl-2-(2-stearoyloxyethyl)carbamoylpyridinium chloride <i>Akzo Nobel, Inc</i>	(1)	(1)	(1)	
	Methyltrioctylammonium chloride <i>Henkel Corp.</i>	(1)	(1)	(1)	
	1,3-Propanediamine, n-9-octadecenyl,2-diacetate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Quaternary ammonium compounds (except tropane derivatives), all other <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Quinolinium, 1-(phenylmethyl) chloride <i>Company not disclosed</i>	(1)	(1)	(1)	
	Stearylamidopropyl dimethyl myristyl acetate ammonium chloride <i>ISP Van Dyk, Inc.</i>	(1)	(1)	(1)	
	Stearyl pyridium chloride <i>Witco Corp.</i>	(1)	(1)	(1)	
	Tetrabutyl ammonium bromide <i>Zeeland Chemical, Inc.</i>	(1)	(1)	(1)	
	Trimethyloctadecylammonium chloride <i>Akzo Nobel, Inc</i> <i>Exxon Chemical Americas</i> <i>Witco Corp.</i>	27	26	91	\$ 3.48
	Residual Total	46,361	42,095	125,160	2.97
2923XX	HTS Level Residual Total		(1)	(1)	
2924	Carboxamide-function compounds; amide-function compounds of carbonic acid	(1)	(1)	(1)	
292410	Acyclic amides (including acyclic carbamates) and their derivatives; salts thereof	133,173	81,678	203,309	2.49
29241010	Acyclic amides (including acyclic carbamates)	130,502	80,164	193,588	2.41
	Acetamide <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	Acrylamide monomer <i>Company not disclosed</i> <i>Cytec Industries</i> <i>Dow Chemical Co.</i>	54,615	(1)	(1)	
	Allyl ureido monomer <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Amides, all other <i>Air Products & Chemicals, Inc.</i> <i>Arsynco, Inc., Sub. of Aceto Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Henkel Corp.</i> <i>Poly Organix, Inc.</i>	(1)	(1)	(1)	
	Behenamide <i>Witco Corp.</i>	(1)	(1)	(1)	
	Chloromethylene dimethyliminium (Amide chloride) <i>Vanchem, Inc.</i>	(1)	(1)	(1)	
	Coconut oil amide <i>Akzo Nobel, Inc</i> <i>Ferro Corp., Keil Chemical Div.</i>	(1)	(1)	(1)	
	3',4'-Dichloropropionanilide (Propanil)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29241010 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Rohm & Haas Co.</i>				
	N]2-(Diethylamino)ethyl-octadecanamide	(¹)	(¹)	(¹)	
	<i>Inolex Chemical Co.</i>				
	N,N-Dimethylacetamide	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chains & Pigments</i>				
	<i>Monsanto Co.</i>				
	N-[3-(Dimethylamino)propyl]-,(2)-octadecanamide	(¹)	(¹)	(¹)	
	<i>Inolex Chemical Co.</i>				
	N[3-(Dimethylamin)propyl]octadecanamide	(¹)	(¹)	(¹)	
	<i>High Point Chemical Corp.</i>				
	<i>Inolex Chemical Co.</i>				
	N,N-Dimethylformamide	(¹)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Erucamide	(¹)	(¹)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	N,N'-Ethylenebis-oleamide (Oleic acid-ethylenediamine condensate (Amine/acid ratio = 1/2))	327	298	896	S 3.01
	<i>Lonza, Inc.</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>Witco Corp.</i>				
	N,N'-EthylenebisIstearamidel	17,446	17,369	24,692	1.42
	<i>Lonza, Inc.</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>Witco Corp.</i>				
	Ethylene(12)hydroxystearamide	(¹)	(9	(¹)	
	<i>Caschem, Inc.</i>				
	3-Iodo-2-propynyl butylcarbamate	(¹)	(¹)	(¹)	
	<i>Troy Chemical Corp.</i>				
	N-Methylacetamide	(¹)	(¹)	(¹)	
	<i>Arsynco, Inc., Sub. of Aceto Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Oleamide (Octadecene amide)	2,976	2,726	6,048	2.22
	<i>Akzo Nobel, Inc</i>				
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Oleoypalmitamide	(¹)	(¹)	(¹)	
	<i>Witco Corp.</i>				
	Oxamide	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Hummel Crofton, Inc.</i>				
	Procarbazine hydrochloride	(¹)	(1)	(1)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Stearamide (Octadecene amide)	(¹)	(¹)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	<i>Synthetic Products Co.</i>				
	<i>Witco Corp.</i>				
	Stearyl erucamide	(¹)	(¹)	(9	
	<i>Witco Corp.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Tallow amide, hydrogenated	(¹)	(¹)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	Residual Total	55,136	59,771	151,428	2.53
	29241050 Derivatives of acyclic amides (including acyclic carbamates) and salts thereof	2,672	1,514	9,721	6.42

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29241050 — Continued					
	Acetamidoethanol (N-Acetyl-ethanolamine) <i>Scher Chemicals, Inc.</i>	(1)		(1)	
	2-Chloro-N-12,2-dimethoxy ethyl)-N-methyl acetamide(DMCA) <i>SpecialtyChem Products Corp.</i>		(1)	(1)	
	Chlorphenesin carbamate <i>Upjohn Co.</i>		(1)	(1)	
	Cocoamidopropyl dimethyl amine <i>Company not disclosed</i>	(1)		(1)	
	N,N-diallyl-2,2-dichloroacetamide <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	N,N-Dimethylacetoacetamide <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Ethylene bisisostearamide <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	N-(2-Hydroxyethyl)-11-12-hydroxystearamide <i>Caschem, Inc.</i>	(1)	(1)	(1)	
	Hydroxyurea <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	N-Methyl-N-oleoyltaurine, sodium salt <i>Grant Industries, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Rhone Poulenc, Inc.</i> <i>Westvaco Corp.</i>	324	(1)	(1)	
	N-Methyl-N-palmitoyltaurine, sodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	N-Octadecylsulfosuccinamic acid, disodium salt <i>Cytec Industries</i>	(1)	(1)	(1)	
	Polyethoxylated tallow amide <i>Akzo Nobel, Inc.</i>	(1)		(1)	
	n-Propylamidethanol <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Stearyl stearamide <i>Witco Corp.</i>	(1)	(1)	(1)	
	z-l-Threoninamide mesylate <i>Bristol Myers Squibb Co.</i>	(1)	(1)		
	Residual Total	2,348	1,514	9,721	\$ 6.42
292421	Ureines and their derivatives; salts thereof	20,850	(1)	(1)	
29242115	Aromatic pesticides of ureines and their derivatives; salts thereof, nest	(1)	(1)	(1)	
	2-Chloro-N-Urnethyl-2-methoxyethyl)-N-(2,4-dimethyl-thien-3-y1)-acetamide <i>Sandoz Agro, Inc.</i>	(1)	(1)	(1)	
	3-13,4-Dichloropheny11-1,1-dimethylurea (Diuron) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	3-(3,4-Dichloropheny1)-1-methoxy-1-methylurea (Linuron) <i>El. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	1-(2-Methylcyclohexy11-3-phenylurea (Siduron) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	N-1-Naphthylphthalamic acid (NPA) <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29242145	HTS Level Residual Total			(1)	
	Acetoacetanilide <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Lonza, Inc.</i>		(1)	(1)	
	4'-Aminoacetanilide (Acetyl-p-phenylenediamine)		(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29242145 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	3'-Amino-p-acetanisidide		(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>SyneBoy Corp., Blackman Uhler Chemical Div.</i>				
	p-Aminobenzamide	(¹)	(¹)	(¹)	
	<i>National Starch & Chemical Co.</i>				
	2-Amino-4-nitroacetanilide		(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	N,Isr-Diethyl-N,N'-diphenylurea	(¹)	(¹)	(¹)	
	<i>Vanchem, Inc.</i>				
	Diphenyl-4,4'-diphenylmethylenedicarbamate	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	N-Phenylurea	(¹)	(¹)	(¹)	
	<i>RSA Corp.</i>				
	Residual Total	(1)	(¹)	(¹)	
29242150	Nonaromatic ureines and their derivatives; and salts thereof	(¹)	(¹)	(¹)	
	tert-Butyl urea	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
292421XX	HTS Level Residual Total	20,850	(¹)	(¹)	
292429	Cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi	(¹)	79,287	560,153	7.06
29242909	4-Acetamido-2-aminophenol; and other specified aromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	Benzanilide	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co.</i>				
	Residual Total		(¹)	(¹)	
29242911	2-Acetamido-3-chloroanthraquinone and other specified aromatic cyclic amides and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	o-Acetoacetanisidide	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	o-Acetoacetotoluidide	(¹)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	2',4'-Acetoacetoxylidide	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29242915	Specified aromatic pesticides of aromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	1-Naphthaleneacetamide	(¹)	(¹)	(¹)	
	<i>AMVAC Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29242919	Aromatic pesticides of cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nos'	(¹)	(¹)	(¹)	
	2-Chloro-2',6'-diethyl-N-Imethoxymethyl) acetanilide (Ala chlor)	(¹)	(¹)	(¹)	
	<i>Monsanto Co., Agricultural Group</i>				
	2-Chloro-2',6*-diethyl-N-In-butoxymethyl) acetanilide (Butachlor)	(1)	(1)	(1)	
	<i>Monsanto Co., Agricultural Group</i>				
	2-Chloro-N-ethoxymethyl-N-(2-ethyl-1-6-methylphenyl) acetamide (Accto chlor)	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29242919 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Monsanto Co., Agricultural Group</i>				
	2-Chloro-N-isopropylacetanilide (Propachlor)	(1)	(1)	(1)	
	<i>Monsanto Co., Agricultural Group</i>				
	2-Chloro-N-II(4-(trifluoromethoxy)phenyl)amino carbonylbenzamide	(1)		(1)	
	<i>Miles, Inc., Agricultural Chemicals Div.</i>				
	N,N-Diethyltoluamide (DEET)	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N-[2,4-Dimethyl-5-[(trifluoromethyl)sulfonyl]aminophenyl]acetamide	(1)	(1)	(1)	
	<i>Minnesota Mining & Manufacturing Co.</i>				
	Residual Total	(1)	(1)	(1)	
29242935	Diethylaminoacetoxylidide (Lidocaine)	(1)	(1)	(1)	
	Lidocaine	(1)	(1)	(1)	
	<i>Napp Technologies, Inc.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Lidocaine hydrochloride	(1)	(1)	(1)	
	<i>Napp Technologies, Inc.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29242939	Aromatic drugs of cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi	(1)		(1)	
	Acetaminophen	(1)	(1)	(1)	
	<i>Mallinckrodt Chemical, Inc. (Raleigh)</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	Carbarson	(1)	(1)	(1)	
	<i>RSA Corp.</i>				
	Dinitolmide	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Florfenicol	(1)	(1)	(1)	
	<i>Schering Corp.</i>				
	Iohexol	(1)	(1)	(1)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Isopropamide iodide	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Methocarbamol	(1)	(1)	(1)	
	<i>B.I. Chemicals, Inc.</i>				
	Procainamide hydrochloride	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29242950	Nonaromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi		(1)	(1)	
	p-Acetotoluidide	(1)	(1)	(1)	
	<i>Eastman Kodak Co.</i>				
	4'-Chloro-2',5'-dimethoxyacetoacetanilide	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	N-Cyclohexyl-N-palmitoyltaurine, sodium salt	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	2,4-Dinitroacetanilide	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	N-O-Hydroxyethyl-2,4-dihydroxybenzamide	(1)	(1)	(1)	
	<i>Pfister Chemical, Inc.</i>				
	Isostearic acid, aminoethylethanolamide, acetate salt	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29242950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Piedmont Chemical Industries, Inc.</i>				
	-Nitrobenzamide	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Polyloxy-1,2-ethanediy8di-(2-hydroxyethyl)-5,5-dimethylhydantoin dioleate	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
292429XX	HTS Level Residual Total	(1)	79,287	560,153	\$ 7.06
2925	Carboxylamide-function compounds (including saccharin and its salts) and imine-function compounds	(1)		(1)	
292511	Saccharin and its salts	(1)	(1)	(1)	
29251100	Saccharin and its salts	(1)	(1)	(1)	
	Saccharin (1,2-Benzisothiazolin-3-one,-1,1-dioxide)	(1)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	Saccharin,sodium salt	(1)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	Residual Total		(1)	(1)	
292519	imides and their derivatives of carboxyamides -function compounds, nesi	157,915	(1)		
29251910	Ethylenebistetrabromoplithalimide	(1)	(1)	(1)	
	3,4,9,10-Perylenetetracarboxylic-3,4:9,10-diimide	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Phthalimide	(1)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	Residual Total	(1)		(1)	
29251920	Aromatic imides and their derivatives; salts thereof, nesi	(1)	(1)	(1)	
	Alkyl terephthalamate	(1)	(1)		
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	N,N'-Dimethyl-3,4,9,10-perylenetetracarboxylic acid 3,4:9,10-diimide	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Naphthalimide	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	2-Phenylbenzimidazole	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	m-Phenylenebismaleimide		(1)	(1)	
	<i>Ruetgers Neese Corp.</i>				
	m-Phenylenebismaleimide	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Residual Total	(1)	(1)	(1)	
29251950	Nonaromatic imides and their derivatives; salts thereof, nesi	153,108	(1)	(1)	
	Alkenyl succinimide	143,899	(1)	(1)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Company not disclosed</i>				
	<i>Ethyl Corp.</i>				
	<i>Texaco Chemical Co.</i>				
	N-(Cyclohexylthiolphthalimide)	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	N,N'-Ethylenebis(5,6-dibromo-2,3-norbornenedicarboximide)	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	N,N'-Ethylene-1,2-bis-5-norbornene-2,3-dicarboximide	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29251950 —Continued					
Chemical description/Manufacturer—Continued					
	Velsicol Chemical Corp.				
	N-(2-Ethylhexyl)bicyclo(2.2.1)-5-heptene-2,3-dicarboximide	(1)	(1)	(1)	
	McLaughlin Gormley King Co.				
	N-Ethylmaleimide	(1)	(1)	(1)	
	Company not disclosed				
	All other (specify)		(1)	(1)	
	Chemical Exchange Industries, Inc,				
	Company not disclosed				
	Mobil Oil Corp., Chemical Products Div.				
	Stearamidoethyl-2-heptadecyl imidazoline	(1)	(1)	(1)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Residual Total	9,209	(1)	(1)	
29251900	HTS Level Residual Total	4,807	(1)	(1)	
292520	Imines and their derivatives; salts thereof	23,574	(1)	(1)	
29252020	Aromatic drugs of imines and their derivatives, nesi	(1)	(1)	(1)	
	Dextromethorphan hydrobromide	(1)	(1)	(1)	
	Company not disclosed				
	Lonza, Inc.				
	Lonza, Inc.				
	Guanidines, cyclic, other	(1)	(1)	(1)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	2,2'-(m-Tolylimino)diethanol	(1)	(1)	(1)	
	Milliken & Co., Milliken Chemical Div.				
	2,2'4(Phenyl)iminoldiethanol (N-Phenyldiethanolamine)	(1)	(1)	(1)	
	Milliken & Co., Milliken Chemical Div.				
	Residual Total	(1)		(1)	
29252050	Nonaromatic imines and their derivatives; salts thereof	23,416	(1)	(1)	
	Chelating agents, nitriloacids and salts, all other		4,727	5,900	\$ 1.25
	Buckman Laboratories, Inc.				
	Ciba Geigy Corp.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Hampshire Chemical Corp., Hampshire Chemicals				
	Rhone Poulenc, Inc.				
	n-Dodecylguanidine acetate (Dodine)	(1)	(1)	(1)	
	Company not disclosed				
	N-Dodecyl-3-iminodipropionic acid, disodium salt	(1)	(1)	(1)	
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	N-Dodecyl-3-imino-dipropionic acid, monosodium salt	(1)		(1)	
	Rhone Poulenc, Inc.				
	Hexamethyleneimine	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Imino bis-propylamine		(1)	(1)	
	BASF Carp, (Parsippany, Mil				
	Imino-bis-propylamine	(1)		(1)	
	Residual Total	23,416	(1)	(1)	
292520XX	HTS Level Residual Total		(1)	(1)	
2926	Nitrile-function compounds	2,113,980	725,402	735,502	1.01
292690	Nitrile-function compounds, nesi	2,113,980	725,402	735,502	1.01

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
	Benzonitrile	(¹)	(¹)	(¹)	
	PMC Inc., PMC Specialities Group, Inc.				
	Residual Total	(¹)		(¹)	
29269021	Aromatic fungicides of nitrile-function compounds	(¹)	(¹)	(¹)	
	2,4,5,6-Tetrachloroisophthalonitrile		(¹)	(¹)	
	ISK Biotech Corp.				
	Residual Total	(¹)	(¹)	(¹)	
29269027	Aromatic pesticides of nitrile-function compounds, nesi	580	(1)	(1)	
	Cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	(¹)	(¹)	(¹)	
	FMC Corp., Agricultural Chemical Group				
	Cyano-3-phenoxybenzyl-cis, trans-3-1,2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Cyano(3-phenoxyphenyl)methyl-4-chloro-a-(1-methylethyl)benzeneacetate	(¹)		(¹)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	Cypermethrin	(¹)	(¹)	(¹)	
	FMC Corp., Agricultural Chemical Group				
	Residual Total	580			
	Cinnamyl nitrile	(¹)	(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	Citronellyl nitrile	(1)	(1)	(1)	
	SCM Glidco Organics Corp.				
	Ethyl-2-cyano-3,3-diphenylacrylate	(¹)		(¹)	
	BASF Corp., (Parsippany, NJ)				
	2-Ethylhexyl-2-cyano-3,3-diphenylacrylate	(¹)	(¹)	(¹)	
	BASF Corp., (Parsippany, NJ)				
	Residual Total		(¹)	(¹)	
	4-1(2-Cyanoethyl)ethylamino-1-o-tolualdehyde	(1)	(¹)	(¹)	
	Miles, Inc., Dyes & Pigments Div.				
	Isophthalonitrile		(¹)		
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	PMC Inc., PMC Specialities Group, Inc.				
	Residual Total		(¹)	(¹)	
29269050	Nonaromatic nitrile-function compounds, nesi	2,098,887	711,720	530,857	\$ 0.75
	Acetonitrile	17,859	11,834	18,593	1.57
	BP Chemicals, Inc.				
	Company not disclosed				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	J. T. Baker Chemical Co.				
	Sterling Chemicals, Inc.				
	Acrylonitrile, monomer	1,129,082	641,306	420,955	0.66
	BP Chemicals, Inc.				
	Cytec Industries				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Monsanto Co.				
	Phillips 66 Co.				
	Sterling Chemicals, Inc.				
	Adiponitrile	(¹)	(¹)	(¹)	
	Company not disclosed				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Monsanto Co.				
	n-Butyronitrile	(¹)	(¹)	(¹)	
	Eastman Kodak Co., Texas Eastman Co. Div.				
	Coconitrile	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29269050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Akzo Nobel, Inc				
	Cyanamide, rxn. prod. with ethylene oxide, 1-octadecanamide, and carbon dioxide	(¹)		(¹)	
	<i>High Point Chemical Corp.</i>				
	Cyanoacetic acid (Malonic nitrite)	(1)	(1)	(¹)	
	<i>Huts America, Inc.</i>				
	Cyanoguanidine (Dicyandiamide) polymer	(¹)	(¹)	(¹)	
	<i>High Point Chemical Corp.</i>				
	Cyanoguanidine polymer		(¹)		
	Cyclohexane carbonitrile	(¹)		(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	1,2-Dibromo-2,4-dicyanobutane	(1)	(¹)	(¹)	
	<i>Pfister Chemical, Inc.</i>				
	Dicyanoethyldiethylene triamine	(¹)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	3, 7-Dimethyl-2,6-octadienenitrile		(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	Dodecyloxypropionitrile	(1)	(¹)	(¹)	
	<i>Exxon Chemical Americas</i>				
	3-Ethoxypropionitrile	(1)	(¹)	(¹)	
	<i>Dixie Chemical Co., Inc.</i>				
	Ethyl cyanoacetate	(¹)	(1)		
	<i>Huts America, Inc.</i>				
	Geranyl nitrite (Citralva)	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	Hexadecylnitrile	(¹)	(1)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	Isobutyronitrile		(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	Isodecyloxypropionitrile	(1)	(¹)	(¹)	
	<i>Exxon Chemical Americas</i>				
	Isophoronitrile	(¹)	(¹)		
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	Lauronitrile (Dodecyl nitrite)	(¹)	(¹)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	Methoxyglutaronitrile	(1)	(1)	(¹)	
	<i>Dixie Chemical Co., Inc.</i>				
	3-Methoxypropionitrile	(¹)		(¹)	
	<i>Company not disclosed</i>				
	Methyl cyanoacetate	(¹)	(¹)	(¹)	
	<i>Huts America, Inc.</i>				
	2-Methylactonitrile (Acetone cyanohydrin)	239,876		(1)	
	<i>BP Chemicals, Inc.</i>				
	<i>CYRO Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Nitrites, all other	(¹)	(¹)	(1)	
	<i>Company not disclosed</i>				
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Octadecane nitrite	(¹)	(¹)		
	<i>Akzo Nobel, Inc</i>				
	Octadecenenitrile (Oleonitrile)	(1)	(¹)	(¹)	
	<i>Akzo Nobel, Inc</i>				
	Propionitrile		(1)	(1)	
	<i>Monsanto Co.</i>				
	Soya nitrite	(1)	(1)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29269050 —Continued					
<i>Chemical description/Manufacturer —Continued</i>					
	Akzo Nobel, Inc				
	Tall oil nitrile	(1)	(1)	(1)	
	Company not disclosed				
	Tallow nitrile	(1)	142	132	\$ 0.93
	Akzo Nobel, Inc				
	Enenco, Inc.				
	Witco Corp.				
	Tallow nitrile, hydrogenated	(1)	(1)		
	Akzo Nobel, Inc				
	Enenco, Inc.				
	Trichloroacetonitrile	(1)	(1)	(1)	
	Olin Corp.				
	Tridecyloxypropionitrile	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Residual Total	712,069	58,437	91,177	1.56
292690XX	HTS Level Residual Total	14,513	12,974	204,645	15.77
2927	Diazo-, azo- or azoxy-compounds		(1)	(1)	
292700	Diazo-, azo- or azoxy-compounds	(1)	(1)	(1)	
29270015	1,1'-Azobisformamide	(1)	(1)	(1)	
	1,V-Azobisformamide	(1)	(1)		
	Uniroyal Chemical Co., Inc.				
	Residual Total	(1)	(1)	(1)	
29270040	Diazo-, azo- or azoxy-compounds, nesi, described in additional U.S. note 3 to section VI	2,555	(1)		
	4-Amino-1,2,4-triazole	(1)	(1)	(1)	
	Reilly Industries, Inc.				
	2,2 ¹ -Azobis(2-methylpropionitrile)				
	(Azobisisobutyronitrile)	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	1,4-Diazobicyclo(2.2.2)octane	(1)	(1)	(9)	
	Company not disclosed				
	4-Methylbenzotriazole	(1)	(1)	(1)	
	Miles, Inc., Dyes & Pigments Div.				
	Tolyltriazole, potassium salt		(1)	(1)	
	Company not disclosed				
	Residual Total	2,555		(1)	
29270050	Other diazo-, azo- or azoxy-compounds, nesi	2,022	1,010	10,451	10.34
	m4(4-Amino-3-methoxyphenylazo)benzenesulfonic acid	(1)		(1)	
	Miles, Inc., Dyes & Pigments Div.				
	5-Amino-2((2-oxo-5-benzimidazolinybaminol)benzenesulfonic acid	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	2,2-AzobisIdimethyl pentane nitrile)	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	2,2-Azobis(2-methyl butane nitrile)		(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Benzotriazole, potassium & sodium salts	(1)	(1)	(1)	
	Company not disclosed				
	1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl-2-oley1-2-imidazolinium hydroxide		(1)	(1)	
	Rhone Poulenc, Inc.				
	1-12-Hydroxyethyl, -2-nonyl-2-imidazoline	(1)		(1)	
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	Witco Corp.				
	1-(2-Hydroxyethyl)-2-undecyl-3-carboxyethylimidazoline, sodium salt	(1)	(1)	(1)	

See ondnates at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29270050 — Continued					
Chemical description/Manufacturer—Continued					
	<i>Rhone Poulenc, Inc.</i>				
	1-12-Hydroxyethyl-11-2-undecyl-2-imidazoline	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Methscopolamine bromide	(1)		(1)	
	<i>Upjohn Co.</i>				
	p-Up-Aminophenyl-Iazo-1-benzenesulfonic acid	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Pentazocine	(1)		(1)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Pentazocine hydrochloride	(1)	(1)		
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	4-(Phenylazo)diphenylamine	(1)		(1)	
	<i>Eastman Kodak Co.</i>				
	Residual Total	2,022	1,010	10,451	\$ 10.34
292700XX	HTS Level Residual Total	(1)	(1)	(1)	
2928	Organic derivatives of hydrazine or of hydroxylamine	(1)	(1)	(1)	
292800	Organic derivatives of hydrazine or of hydroxylamine	(1)	(1)	(1)	
29280020	Aromatic organic derivatives of hydrazine or of hydroxylamine, nesi	(1)	(1)	(1)	
	p-Toluenesulfonylhydrazide	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	p-Toluenesulfonylsemicarbazide		(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29280030	Nonaromatic drugs of organic derivatives of hydrazine or of hydroxylamine	(1)	(1)	(1)	
	Carbidopa	(1)		(1)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29280050	Nonaromatic organic derivatives of hydrazine or of hydroxylamine, nesi	3,679	(1)	(1)	
	Acetaldehyde dimethylhydrazone	(1)	(1)		
	<i>Dixie Chemical Co., Inc.</i>				
	Diethylhydroxylamine	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	3,7-Dimethyl-2,6-octadien-1-oxime	(1)	(1)	(1)	
	<i>SCM Glidco Organics Corp.</i>				
	3,7-Dimethyl-6-octen-1-oxime	(1)	(1)	(1)	
	<i>SCM Glidco Organics Corp.</i>				
	2-18-Heptadeceny-11-4,4-bis(1-hydroxymethyl)-2-oxazoline	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Semicarbazide hydrochloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Semioxamazide	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Residual Total	3,679			
292800XX	HTS Level Residual Total	(1)	(1)		
2929	Compounds with other nitrogen function	(1)	(1)	(1)	
292910	Isocyanates	(1)	(1)	(1)	
29291015	Mixtures of 2,4- and 2,6-toluenediisocyanates	205,727	186,208	334,545	1.80
	Toluene 2,4- and 2,6-diisocyanate (80/20 Mixture)	205,727	186,208	334,545	1.80
	<i>BASF Corp. (Parsippany, HJI)</i>				
	<i>Dow Chemical Co.</i>				
	<i>ICI Americas, Inc., Polyurethanes Group</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29291015 — Condnuod					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Olin Corp.</i>				
	<i>Rubicon, Inc.</i>				
29291040	Isocyanates, nesi, described in additional U.S. note 3 to section VI	(¹)	(¹)		
	Butyl isocyanate	(¹)	(¹)	(¹)	
	<i>Vanchem, Inc.</i>				
	Hexamethylene-1,6-dilsocyanate (HDI)	(¹)	(I)	(¹)	
	<i>Olin Corp.</i>				
	Residual Total		(¹)	(I)	
29291060	Isocyanates, nesi	(I)	(¹)	(¹)	
	Diphenylmethane-4,4'-diisocyanate (MDI)	(¹)	(I)		
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Dow Chemical Co.</i>				
	<i>ICI Americas, Inc., Polyurethanes Group</i>				
	<i>Rubicon, Inc.</i>				
	Isocyanic acid derivatives, all other	(¹)			
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	Polymethylene polyphenylisocyanate	(¹)	(I)	(I)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>ICI Americas, Inc., Polyurethanes Group</i>				
	<i>Rubicon, Inc.</i>				
	Residual Total	(I)		(I)	
	p-Toluenesulfonyl isocyanate	(¹)	(¹)	(¹)	
	<i>Vanchem, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
292990	Compounds with other nitrogen function, except isocyanates	(¹)	(¹)	(¹)	
29299010	Aromatic compounds with other nitrogen function, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	Di-para-benzoquinone dioxime	(¹)	(¹)	(¹)	
	<i>Lord Corp., Chemical Products Div.</i>				
	1,5-diureidonaphthalene	(¹)	(I)	(I)	
	<i>Specialty Organics, Inc.</i>				
	Residual Total	(¹)	(¹)	(I)	
29299020	Aromatic compounds with other nitrogen function, nesi		(¹)	(¹)	
	Polyglycols-toluene diisocyanate reaction product	(I)		(¹)	
	<i>Company not disclosed</i>				
	Residual Total	(¹)	(¹)	(¹)	
29299050	Nonaromatic compounds with other nitrogen functions, except isocyanates	(I)	(I)	(I)	
	Nitrilotriacetic acid, trisodium salt	(I)	(I)	(I)	
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	Nitrogenous compounds, acyclic, all other		(¹)	(I)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Angus Chemical Co.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>Lonze, Inc.</i>				
	<i>Olin Corp.</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>RSA Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>SpecialtyChem Products Corp.</i>				
	<i>Texaco Chemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29299050 —Continued					
Chemical description/Manufacturer—Continued					
	Union Carbide Corp., Industrial Chemicals Div. Vanchem, Inc.				
	Oleyl betaine		(1)	(1)	
	Rhone Poulenc, Inc.				
	Oxi-pyrimidine	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	1-Propanaminium, N-Icarboxymethyl)-N,N-dimethyl-3-[11 -oxohexadecyl)aminol-hydroxide, inner salt			(1)	
	Inolex Chemical Co.				
	1-Propanaminium, N-ethyl-N,N-dimethyl-3-[(1-oxooctadecylamino)-, ethyl sulfate	(1)	(1)	(1)	
	Scher Chemicals, Inc.				
	3-Stearylamidopropyl dimethylammonium lactate	(1)	(1)	(1)	
	Inolex Chemical Co.				
	Triazine		(1)	(1)	
	Quaker Chemical Corp.				
	Residual Total		(1)	(1)	
2929XX	HTS Level Residual Total	(1)	(1)	(1)	
2930	Organo-sulfur compounds	(1)	(1)	(1)	
293010	Dithiocarbonates (xanthates)	(1)	(1)	(1)	
29301000	Dithiocarbonates (xanthates)	(1)	(1)	(1)	
	Flotation reagents, all other			(1)	
	Hickson Danchem Corp.				
	Potassium amyloxanthate		(1)	(1)	
	Cytec Industries				
	Zinc isopropyl xanthate	(1)	(1)	(1)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	Residual Total	(1)	(1)	(1)	
293020	Thiocarbamates and dithiocarbamates	(1)	(1)	(1)	
29302010	Aromatic pesticides of thiocarbamates and dithiocarbamates	(1)	(1)	(1)	
	S-benzyl thiocarbamate	(1)	(1)	(1)	
	Zeneca, Inc., Agricultural Chemicals Div.				
	Hydroxymethyl(methyl)dithiocarbamic acid, potassium salt	(1)	(1)		
	Buckman Laboratories, Inc.				
	N-Methyldithiocarbamic acid, potassium salt	(1)	(1)	(1)	
	Buckman Laboratories, Inc.				
	N-Methyldithiocarbamic acid,sodium salt (Metham)	26,150		(1)	
	AMVAC Chemical Corp.				
	Buckman Laboratories, Inc.				
	Company not disclosed				
	Zeneca, Inc., Agricultural Chemicals Div.				
	Residual Total	(1)		(1)	
29302020	Aromatic compounds of thiocarbamates and dithiocarbamates, excluding pesticides	(1)		(1)	
	Dibenzylidithiocarbamic acid, zinc salt	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Piperidinium pentamethylene dithiocarbamate	(1)	(1)	(1)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	Residual Total	(1)	(1)	(1)	
29302050	Nonaromatic compounds of thiocarbamates and dithiocarbamates, nest	18,305	15,793	26,880	1.70
	Diammonium dithiodiglycolate	(1)	(1)	(1)	
	Hampshire Chemical Corp., Evans Chemetics				
	Dibutylidithiocarbamic acid, nickel salt	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Vanderbilt Chemical Corp. (Murray, KY)				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29302050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dibutyldithiocarbamic acid, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Vanderbilt Chemical Corp. (Murray, KY)</i>	(¹)	(¹)	(¹)	
	Dibutyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(¹)	(¹)		
	Diethyldithiocarbamic acid, tellurium salt <i>Company not disclosed</i>	I)	(¹)	(¹)	
	Diethyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(¹)	(1)	(1)	
	Dimethyldithiocarbamic acid, bismuth salt <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Dimethyldithiocarbamic acid, copper salt <i>Company not disclosed</i>	(1)	(1)	1 ¹)	
	Dimethyldithiocarbamic acid, lead salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, potassium salt <i>Uniroyal Chemical Co., Inc.</i>	1 ¹)	(¹)	(¹)	
	Dimethyldithiocarbamic acid, potassium salt <i>Alco Chemical Buckman Laboratories, Inc.</i>	(¹)	(¹)	(¹)	
	Dimethyldithiocarbamic acid, selenium salt <i>Company not disclosed</i>	(1)	(¹)	1 ¹)	
	Dimethyldithiocarbamic acid, sodium salt <i>Alco Chemical Vanderbilt Chemical Corp. (Murray, KY) Vining Industries, Inc.</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, sodium salt and sodium polysulfide <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	Dimethyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>		(¹)	(¹)	
	Dithiocarbamic acid fungicides, acyclic, all other <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(¹)	1 ¹)	
	S-Ethyl diisobutylthiocarbamate (Butylate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)		
	S-Ethyl dipropylthiocarbamate (EPTC) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(¹)	(¹)	
	Ethylene bis(dithiocarbamic acid), disodium salt (Nabam) <i>Alco Chemical Vining Industries, Inc.</i>		(¹)	1 ¹)	
	Ethylene bis(dithiocarbamic acid), manganese salt with zinc ions <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	1 ¹)	1 ¹)	(¹)	
	S-Propyl butylethythiocarbamate (Pebulate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	1 ¹)	1 ¹)		
	S-Propyl dipropylthiocarbamate (Vernolate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	1 ¹)	(¹)	(¹)	
	Residual Total	18,305	15,793	26,880	\$ 1.70
293040	Methionine		(¹)	(¹)	
29304000	Methionine	(¹)	(¹)	(¹)	
	Methionine (animal feed grade) <i>Degussa Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	1 ¹)	(¹)	
293090	Organo-sulfur compounds, nesi	(¹)	(¹)	(¹)	
29309028	HTS Level Residual Total	2,409	2,422	21,018	8.68
	o-Aminobenzenethiol <i>Fairmount Chemical Co., Inc.</i>	1 ¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

FITS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309028 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	p-tert-Amylphenol sulfide (Tackifier)	(¹)	(¹)		
	<i>Elf Atochem North America, Inc.</i>				
	Azathioprine		(¹)		
	<i>Burroughs Wellcome Co.</i>				
	Diiodomethyl-p-tolylsulfone			(¹)	
	<i>Angus Chemical Co.</i>				
	Diphenyldisulfide	(¹)	(¹)	(¹)	
	<i>Parish Chemical Co.</i>				
	Disulfuram	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	p,p'-Oxybisbenzenesulfonylhydrazide)	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Phenol-sulfonated formaldehyde rosin	(¹)	(¹)		
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Probucon	(¹)	(¹)	(¹)	
	<i>Dow Chemical Co.</i>				
	4,4'-Thiobis(6-t-butyl-m-cresol)	(¹)	(¹)	(¹)	
	<i>James River Paper Co., Inc.</i>				
	Residual Total	2,409	2,422	21,018	\$ 8.68
29309030 Thiocyanates, thiurams and isothiocyanates		(¹)	(¹)	(¹)	
	S-Methyl-N-11methylcarbamoxyloxy]thioacetimidate				
	(Methomyl)	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Residual Total	(¹)			
29309040 Nonaromatic pesticides of organo-sulfur compounds, nesi		(¹)	(¹)	(¹)	
	2,3-Dihydro-5,6-dimethyl-1,4-dithiin-1,1,4,4-tetraoxide	(¹)	(¹)	(¹)	
	<i>Ruetgers Neese Corp.</i>				
	Disodium cyanodithioimidocarbonate	(¹)	(¹)	(¹)	
	<i>Buckman Laboratories, Inc.</i>				
	Methyl N',N'-dimethyl-N-1(methylcarbamoxyloxy)-1-thiooxamidate	(¹)			
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide (Captan)		(1)	(¹)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Residual Total	(¹)		(¹)	
29309045 Nonaromatic organo-sulfur acids, nesi		(¹)	(¹)	(¹)	
	Dithiodiglycolic acid	(¹)	(¹)	(¹)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	Residual Total	(¹)	(¹)	(¹)	
29309050 Nonaromatic organo-sulfur compounds nesi		412,868	207,306	282,426	1.36
	Allyl disulfide	(1)		(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	2-Aminoethyl mercaptoacetate (Monoethanolamine thioglycolate)		(¹)	(¹)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	Ammonium mercaptoacetate		(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	<i>Witco Corp.</i>				
	Aurothioglucose	(¹)	(1)	(1)	
	<i>Johnson Matthey, Inc.</i>				
	Bis(dibutylthiocarbamoyl) disulfide	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	n-Butyl mercaptan 11-Butanethiol)		(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Phillips 66 Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	sec-Butyl mercaptan (2-Butanethiol) Helmerich & Payne, Inc., Natural Gas Odorizing, Inc. Phillips 66 Co.	(¹)	(¹)	(¹)	
	tert-Butyl mercaptan (2-Methyl-2-propanethiol) Elf Atochem North America, Inc. Helmerich & Payne, Inc., Natural Gas Odorizing, Inc. Phillips 66 Co.	5,857	(¹)	(¹)	
	n-Butyl mercaptopropionate Hampshire Chemical Corp., Evans Chemetics	(¹)	(1)	(1)	
	(Carboxymethyl)dimethyl-2-(polyfluoroalkylthio) ethylammonium hydroxide Company not disclosed	(¹)	(¹)	(¹)	
	n-Decyl mercaptan Phillips 66 Co.	(1)	(¹)	(¹)	
	Di-tert-butyl disulfide Phillips 66 Co.	(1)	(¹)	(1)	
	Diethyl sulfide (Ethyl sulfide) Elf Atochem North America, Inc. Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.	(1)	(¹)	(¹)	
	1,3-Diethyl-2-thiourea Elf Atochem North America, Inc.	(¹)	(1)	(1)	
	Dilauryl-3,3'-thiodipropionate Hampshire Chemical Corp., Evans Chemetics Morton International, Inc., Specialty Chemicals Products Witco Corp.	465	508	1,529	\$ 3.01
	Dimethylaminoethyl acrylate, dimethyl sulfate, quaternary salt CPS Chemical Co., Inc.	(¹)	(1)	(1)	
	Dimethyl disulfide Elf Atochem North America, Inc. Phillips 66 Co.	(1)	(1)	(1)	
	Dimethyl sulfide Elf Atochem North America, Inc. Gaylord Chemical Corp.	(1)	(¹)	(¹)	
	Dimethyl sulfide Elf Atochem North America, Inc.	(¹)	(1)	(1)	
	Dimethyl sulfone James River Paper Co., Inc.	(1)	(1)	(1)	
	N,N'-Dioctadecyl-N,N'-diisopropyl thiuram disulfide Uniroyal Chemical Co., Inc.	(¹)	(1)	(1)	
	Di-N,Nt-pentamethylenethiuram tetrasulfide Vanderbilt Chemical Corp. (Murray, KY)	(¹)	(¹)	(¹)	
	Distearyl-3,3'-thiodipropionate Cytec Industries Hampshire Chemical Corp., Evans Chemetics Morton International, Inc., Specialty Chemicals Products Witco Corp.	2,652	2,484	9,005	3.62
	Dithiobis(stearyl propionate) Hampshire Chemical Corp., Evans Chemetics	(¹)	(¹)	(¹)	
	Dithiodipropionic acid Hampshire Chemical Corp., Evans Chemetics	(¹)	(1)	(¹)	
	Di(tridecyl)-3,3'-thiodipropionate Hampshire Chemical Corp., Evans Chemetics Witco Corp.	(1)	(1)	(1)	
	DiyUdiolimercapto/etc/ether Henkel Corp.	(¹)	(¹)	(1)	
	Docosate, potassium	(1)	(1)	(¹)	

See onnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000- Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Cytec Industries</i>				
	Docusate, sodium		(1)	(1)	
	<i>Cytec Industries</i>				
	tert-Dodecyl mercaptan, ethoxylated	(1)		(1)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	n-Dodecyl mercaptans	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	Ethyl chlorothioformate	(1)	(1)	(1)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Ethyl mercaptan (Ethanethiol)	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	2-(Ethylmercapto)ethanol	(1)	(1)	(1)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Glyceryl monothioglycolate	(1)		(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	n-Hexyl mercaptan	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	Hydrocarbon derivatives: all other hydrocarbon derivatives	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Iso-octyl mercaptoacetate	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	Iso-octyl-1-3-mercaptopropionate	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	Isopropyl mercaptan (2-Propanethiol)	770	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	Mercaptoacetic acid (Thioglycolic acid)	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	Mercaptoacetic acid (Thioglycolic acid) salts, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	2-Mercaptoethanol	(1)	(1)	(1)	
	<i>Morton International, Inc.,</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	3-Mercapto-1,2-propanediol (Thioglycerol)	(1)		(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	3-Mercaptopropionic acid	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	<i>Witco Corp.</i>				
	Mercaptosuccinic acid (Thiomalic acid)	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Evans Chemetics</i>				
	Methane sulfonamide	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Methyl ethyl sulfide	(1)	(1)	(1)	
	<i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>				
	Methyl mercaptan (Methanethiol)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elf Atochem North America, Inc.</i>				
	3-Methylmercapto propionaldehyde <i>Degussa Corp.</i>	(1)	(1)	(1)	
	D-1-1-3(Acetylthio)-2-methylpropanoyl chloride <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Methyl sulfoxide (Dimethyl sulfoxide) <i>Gaylord Chemical Corp.</i>	(9)	(1)	(1)	
	N-Methyl taurine, sodium salt (2-Methyl-2-aminoethanesulfonic acid, sodium salt) <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Mixed tertiary mercaptan <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	tert-Nonyl mercaptan <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	n-Octyldecyl mercaptan <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	n-Octyl mercaptan <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	tert-Octyl mercaptan <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	N-Oxydiethylene-2-benzothiazolesulfenamide <i>B F Goodrich Co.</i>	(1)	(1)	(1)	
	Pentaerythritol tetrakis (3-Mercaptopropionate) <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)	(1)	(1)	
	Perchloromethanethiol (Perchloromethyl mercaptan) <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	n-Propyl mercaptan (1-Propanethiol) <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	Sodium mercaptoacetate <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)	(1)	(1)	
	Sodium p-sulfophenylmethallyl ether <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	2,2'-Thiodiethanol (Thiodiglycol) <i>Morton International, Inc., Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	3,3'-Thiodipropionic acid <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)	(1)	(1)	
	Thiodisuccinic acid <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)	(1)	(1)	
	Thiophane (Tetrahydrothiophene) <i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>	(1)	(1)	(1)	
	Trimethylolpropane tris-3-mercaptoacetate <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)	(1)	(1)	
	Residual Total	403,124	204,314	251,316	\$ 1.23
2931	Other organo-inorganic compounds	(1)	143,101	1,444,944	10.10
293100	Other organo-inorganic compounds	(1)	143,101	1,444,944	10.10
	29310022 Drugs of aromatic organo-inorganic (except organo-sulfur) compounds	(1)	(1)	(1)	
	Arsanilic acid <i>Fleming Laboratories, Inc.</i>	(1)	(1)	(1)	
	Nitarsonsone <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	Roxarsone <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	Roxarsone, sodium <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29310022 —Continued</i>					
	Residual Total	(1)	(1)	(1)	
29310025	Pesticides of aromatic organo-inorganic (except organo-sulfur) compounds	(1)	(1)	(1)	
	1+12,4-Dichlorophenyl)4-propyl-1,3-dioxolan-2-ylmethyl-1H-1,2,4-triazole <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)		(1)	
	Distinnaxane, hexakis(2-methyl-2-phenylpropyl) <i>Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	Organophosphorus insecticides, cyclic, all other <i>Company not disclosed</i> <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	0,0'-(Thiodi-4,1-phenylene)bis(o,o-dimethyl phosphorothioate (Temphos) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)		(1)	
	Residual Total	(1)	(1)	(1)	
29310030	Aromatic organo-inorganic compounds, nesi, described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Bis(triphenylsilyl)chromate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Triaryl phosphites <i>General Electric Co., Plastics Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29310040	Aromatic organo-inorganic compounds, nesi	(1)	(1)	(1)	
	3-Aminophenylphosphonic acid <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	Benzenephosphinic acid <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Dichlorodiphenylsilane <i>Dow Corning Corp.</i>	(1)		(1)	
	Dichloromethylphenylsilane <i>Dow Corning Corp.</i>	(1)	(1)	(1)	
	Diphenyldimethoxysilane <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Phenylphosphonothioic dichloride <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Phenykriethoxysilane <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29310050	Nonaromatic organo-inorganic compounds, nesi	651,092	137,763	1,398,755	\$ 10.15
	Accent <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)		(1)	
	Acetylacetonates, all other <i>Shepherd Chemical Co.</i>	(1)	(1)	(1)	
	N-alkylaminobismethylene phosphonic acid salts <i>Company not disclosed</i>	(1)	(1)	(1)	
	Aluminum acetylacetonate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Aluminum 11,3-butanediolato(2)-0,0'(ethyl-3-oxobutanoato-01,03-hydroxy T-4 <i>Chattem, Inc.</i>	(1)	(1)	(1)	
	Aluminum-1,3-butanediolato ethylacetoacetate <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Aluminum di-sec-butoxide acetoacetic ester chelate <i>Chattem, Inc.</i>	(1)	(1)	(1)	
	Aluminum diisobutoxy ethyl acetoacetate <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Aluminum diisopropoxide acetoacetic ester chelate <i>Chattem, Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 — Continued					
Chemical description/Manufacturer—Continued					
	<i>Rhone Poulenc, Inc.</i>				
	Aluminum isooctoxide, diisopropoxide	(1)	(1)		
	<i>Rhone Poulenc, Inc.</i>				
	Aluminum isopropoxide (Aluminum isopropylate)		(1)	(1)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	N-Aminoethylaminopropyl trimethoxysilane	(1)	(1)	11	
	<i>Dow Corning Corp.</i>				
	<i>Huls America, Inc.</i>				
	Auranofin	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Benzene phosphorous chloride		(1)		
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Bis[ethyl-3-oxobutanato]bis(2-propanolato) titanium		11	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Butyl ethyl magnesium	(1)		(1)	
	<i>Akzo Chemicals, Inc.</i>				
	n-Butyllithium	(1)	(1)	(1)	
	<i>Cyprus Foote Mineral Co.</i>				
	sec-Butyllithium		(1)	(1)	
	<i>Cyprus Foote Mineral Co.</i>				
	Carboplatin	(1)			
	<i>Bristol Myers Squibb Co.</i>				
	<i>Johnson Matthey, Inc.</i>				
	Chloroalkyl phosphate ester	11	(1)	(1)	
	<i>Albright & Wilson, Americas, Inc.</i>				
	<i>FMC Corp., Process Additives Div.</i>				
	Chloromethyldimethylchlorosilane	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	a-Chloropropyltrichlorosilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Chloropropyltrimethoxysilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	<i>Huls America, Inc.</i>				
	Chlorotrimethylsilane	(1)	(1)		
	<i>Dow Corning Corp.</i>				
	Cobaltic acetylacetonate	(1)	(1)	11	
	<i>Shepherd Chemical Co.</i>				
	N-Cocoalkyl-1,3-propylenediamine acetate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Cyclic silizane		(1)	(1)	
	<i>PCR, Inc.</i>				
	Cyclohexylmethyldimethoxysilane	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Di-n-butylmagnesium	(1)	(1)		
	<i>Akzo Chemicals, Inc.</i>				
	Dibutyltin bis(butylmaleate)	(1)	11	(1)	
	<i>Akros Chemicals America</i>				
	<i>Witco Corp.</i>				
	Dibutyltin bis(isooctylmercaptoacetate)	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Witco Corp.</i>				
	Dibutyltin bis(1-mercaptolaurate)	(1)		(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dibutyltin carboxylates	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Dibutyltin dichloride		(1)		

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
FITS No. 29310050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Elf Atochem North America, Inc. Witco Corp.</i>				
	Dibutyl tin dilaurate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc. Ferro Corp., Bedford Chemical Div. Witco Corp.</i>				
	Dibutyltin oxide	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dichlorodimethylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Dichloromethylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Dichloromethylvinylsilane	883	(1)		
	<i>Dow Corning Corp. PCR, Inc. Union Carbide Corp., Industrial Chemicals Div.</i>				
	Dicresylphosphorodithioic acid	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	Dicyclopentadienylchromium (Chromocene)	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Diethanolamine-borate	(1)	(1)	(1)	
	<i>Houghton International, Inc.</i>				
	Diethylaluminum chloride	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc. Ethyl Corp.</i>				
	Diethylaluminum iodide	(1)	(1)		
	<i>Akzo Chemicals, Inc. Ethyl Corp.</i>				
	(Diethylenetriamine)pentamethylenephosphonic acid	(1)	(1)	(1)	
	<i>Company not disclosed Mayo Chemical Co., Inc.</i>				
	(Diethylenetriamine)pentamethylenephosphonic acid, sodium salt		(1)	(1)	
	<i>Mayo Chemical Co., Inc.</i>				
	Diethylzinc	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Dihydroxyaluminum aminoacetate	(1)	(1)	(1)	
	<i>Chattem, Inc.</i>				
	Di(hydroxy)bis(ammoniumlactato)titanium		(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Diisobutylaluminum chloride	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc. Ethyl Corp.</i>				
	Diisobutylaluminum hydride	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc. Ethyl Corp.</i>				
	Diisobutylaluminum oxide		(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Diisobutyl dimethoxychlorosilane	(1)	(1)	(1)	
	<i>Huts America, Inc.</i>				
	3-(Dimethoxyphosphinyloxy)-N,N-dimethyl-cis-crotonamide		(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	O,S-Dimethylacetylphosphoramidothioate (Acephate)	(1)	(1)	(1)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	O,S-Dimethyl phosphoramidothioate	(1)	(1)	(1)	
	<i>Miles, Inc., Agricultural Chemicals Div.</i>				
	Dimethyltin dichloride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Witco Corp.				
	Dimethyltin-IOTG	(¹)	(¹)	(¹)	
	Witco Corp.				
	Dimethylvinyl chlorosilane	(1)	(1)	(¹)	
	PCR, Inc.				
	Di-n-octylaluminum iodide	(¹)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Di-n-propylaluminum chloride	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Divinyketramethyldisilazane	(¹)	(¹)	(¹)	
	PCR, Inc.				
	Divinyl tetramethyldisiloxane	(¹)	(1)	(¹)	
	Huls America, Inc.				
	PCR, Inc.				
	Ester tin mercaptoesters	(¹)	(¹)	(¹)	
	Akcros Chemicals America				
	Ethylaluminum dichloride	(1)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Ethyl Corp.				
	Ethylaluminum sesquichloride	(¹)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Ethyl Corp.				
	a-Glycidoxypropyltrimethoxysilane	(1)	(¹)	(¹)	
	Huls America, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Hexamethyldisilazane	1,209	(1)	(1)	
	Dow Corning Corp.				
	Huls America, Inc.				
	PCR, Inc.				
	Hexamethyldisiloxane	(¹)	(¹)	(¹)	
	PCR, Inc.				
	Hexamethylenediaminetetra(methylenephosphonic acid), potassium salt	(¹)	(¹)	(¹)	
	Mayo Chemical Co., Inc.				
	Hydroxyethane-1-diphosphonic acid	(1)	(1)	(1)	
	Buckman Laboratories, Inc.				
	Mayo Chemical Co., Inc.				
	Hydroxyethylidene diphosphonic acid, potassium salt		(1)	(1)	
	Company not disclosed				
	Hydroxyethylidene diphosphonic acid, sodium salt	(¹)	(¹)	(¹)	
	Company not disclosed				
	Mayo Chemical Co., Inc.				
	Isobutylaluminum	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Isobutylaluminum chloride	(¹)	(1)	(1)	
	Ethyl Corp.				
	Isobutyltrimethoxysilane	(¹)	(¹)	(¹)	
	Dow Corning Corp.				
	Huls America, Inc.				
	PCR, Inc.				
	Isopropenylaluminum	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Isopropyl borate	(¹)	(¹)	(¹)	
	Anderson Development Co.				
	Krenite		(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	Lithium hydroxystearate	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 --Continued					
Chemical description/Manufacturer—Continued					
	Witco Corp. Mercaptopropyltrimethoxysilane	1 ¹		(¹)	
	Huls America, Inc. Union Carbide Corp., Industrial Chemicals Div.				
	a-Methacryloxypropyltrimethoxysilane	(¹)	I ⁿ	(¹)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Methanearsonic acid, monosodium salt (MSMA)	1 ¹		(¹)	
	ISK Biotech Corp.				
	Methanesulfonic acid, zinc salt	(¹)	(¹)	1 ¹ I ⁿ	
	Pfister Chemical, Inc.				
	Methylcyclopentadienylmanganese tricarbonyl	(¹)	(¹)	(¹)	
	Ethyl Corp.				
	Methyltrimethoxysilane and polymethyltrisiloxane	(¹)		1 ¹	
	Dow Corning Corp.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Methylvinyl cyclic siloxane	(¹)	(¹)	1 ¹	
	PCR, Inc.				
	Monoethanolamine borate	(¹)	1 ¹	(¹)	
	Houghton International, Inc.				
	Monomethyl tin	(¹)	(¹)	1 ¹	
	Witco Corp.				
	Nitrilo-tris-methylene triphosphonic acid	(¹)	(¹)	1 ¹	
	Buckman Laboratories, Inc.				
	Mayo Chemical Co., Inc.				
	Nitrilo-tris-methylene triphosphonic acid, sodium salt	(¹)	(¹)	1 ¹	
	Company not disclosed				
	Mayo Chemical Co., Inc.				
	Octyltin vinyl additives	(¹)	(I)	1 ¹	
	Akcros Chemicals America				
	Morton International, Inc., Specialty Chemicals Products				
	N-Octyltriethoxy silane	(¹)	(¹)	(¹)	
	PCR, Inc.				
	Organo-aluminum compounds, all other	83	89	871	\$ 9.73
	Akzo Chemicals, Inc.				
	Chattem, Inc.				
	Ethyl Corp.				
	Mooney Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Organo-boron compounds, all other	7		(¹)	
	Akzo Chemicals, Inc.				
	Company not disclosed				
	Ethyl Corp.				
	Organo-magnesium compounds, all other	(¹)		(¹)	
	RSA Corp.				
	Organo-silicone compounds, all other	1 ¹		1 ¹	
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Dixie Chemical Co., Inc.				
	Dow Corning Corp.				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Henkel Corp.				
	Huls America, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Organo-tin compounds, all other	(¹)	VI	(¹)	
	Elf Atochem North America, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Mooney Chemicals, Inc. PCR, Inc.				
	Organo-zinc compounds, all other Akzo Chemicals, Inc.	(¹)	(¹)	(¹)	
	Oxoaluminum benzoate/2-ethylhexanoate Rhône Poulenc, Inc.	(¹)	(¹)		
	Oxoaluminum isopropoxide Rhône Poulenc, Inc.	(¹)	(¹)	(¹)	
	Phosphonate ester, cyclic Albright & Wilson, Americas, Inc.	(¹)	(¹)	(¹)	
	Phosphonic acid, (1-hydroxy ethylidene)bis compounded with 2-aminomethanol Company not disclosed	(¹)	(¹)	(¹)	
	2-Phosphonobutane-1,2,4-tricarboxylic acid, sodium salt Company not disclosed	(¹)	(¹)	(¹)	
	N-(Phosphonomethyl)glycine, isopropylamine salt Monsanto Co., Agricultural Group		(¹)	(¹)	
	Plant growth regulators, acyclic, all other Uniroyal Chemical Co., Inc.	(¹)	(¹)		
	Potassium 2-methyl-2-propanol Company not disclosed	(¹)	(¹)	(¹)	
	Stannous dioctyl phthalate Elf Atochem North America, Inc.		(¹)	(¹)	
	Sulfur compounds, all other Company not disclosed Ethyl Corp. Ferro Corp., Keil Chemical Div. Quaker Chemical Corp.	(¹)	(¹)	(¹)	
	Tetraethyl lead E.I. DuPont de Nemours & Co., Inc., Chems & Pigments	(¹)	(¹)	(¹)	
	Tetraisopropyl titanate amyl ester Dock Resins Corp.	(¹)	(¹)	(¹)	
	Tetramethyldisiloxane PCR, Inc.	(¹)	(¹)	(¹)	
	Titanium acetylacetonate Huls America, Inc.		(¹)	(¹)	
	Tri-n-butylaluminum Akzo Chemicals, Inc. Ethyl Corp.		(¹)	(¹)	
	Trichloromethylsilane Dow Corning Corp.	(¹)	(¹)	(¹)	
	Trichloropropylsilane Dow Corning Corp.	(¹)	(¹)	(¹)	
	Trichlorovinylsilane PCR, Inc. Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)	(¹)	
	Triethylborane Company not disclosed	(¹)	(¹)	(¹)	
	Triisobutylene polysulfide Company not disclosed	(¹)	(¹)	(¹)	
	Trimethylaluminum Akzo Chemicals, Inc. Ethyl Corp.	(¹)	(¹)	(¹)	
	Trimethyl borate Morton International, Inc.	(¹)	(¹)		
	Trimethyl gallium Akzo Chemicals, Inc.	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Tri-n-octylaluminum <i>Akzo Chemicals, Inc.</i> <i>Ethyl Corp.</i>		(¹)	(¹)	
	Tri-n-propylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tris(2-methoxyethoxy)vinyl silane <i>Huls America, Inc.</i>	(1)		(1)	
	Tris(pentamethyldisiloxanyI)-3-methacrylatopropylsilane <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Vinylmethyldichlorosilane <i>PCR, Inc.</i>		(¹)	(¹)	
	Vinyltriethoxysilane <i>Huls America, Inc.</i> <i>PCR, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(1)	
	Vinyl trimethoxy silane <i>Huls America, Inc.</i> <i>PCR, Inc.</i>	(¹)	(1)	(1)	
	Zircoaluminate compounds <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	648,910	137,673	1,387,104	S 10.08
293100XX	HTS Level Residual Total	5,429	5,338	39,614	7.42
2932	Heterocyclic compounds with oxygen hetero-atom(s) only	(¹)	(¹)	(¹)	
293211	Tetrahydrofuran	94,353	47,040	82,727	1.76
29321100	Tetrahydrofuran <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>BASF Corp, (Parsippany, NJ)</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>OO Chemicals, Inc.</i>	94,353	47,040	82,727	1.76
293212	2-Furaldehyde (Furfuraldehyde)	(¹)	(¹)	(¹)	
29321200	2-Furaldehyde (Furfuraldehyde)	(¹)	(¹)	(¹)	
	2-Furaldehyde (Furfural) <i>QO Chemicals, Inc.</i> <i>Quaker Oats Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
293213	Furfuryl alcohol and tetrahydrofurfuryl alcohol	(¹)	(¹)	(¹)	
29321300	Furfuryl alcohol and tetrahydrofurfuryl alcohol	(¹)	(¹)	(¹)	
	Furfuryl alcohol <i>(20 Chemicals, Inc.)</i>	(¹)	(¹)	(¹)	
	Tetrahydrofurfuryl alcohol <i>QO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
293219	Heterocyclic compounds containing an unfused furan ring in the structure, nesi	(¹)	(¹)	(¹)	
29321910	Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, containing an unfused furan ring, nesi	(¹)	(1)	(1)	
	Oi-n-butylxantho disulfide <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(1)	(1)	
29321950	Nonaromatic heterocyclic compounds with oxygen hetero-atom(s) only, containing an unfused furan ring, nesi	(1)		(1)	
	Acetylfuran <i>OO Chemicals, Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
HTS No. 29321950 —Continued					
	Dimethyl-3-oxo-2-pentylcyclopentane propanedioate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Di(tetrahydrofurfuryl) propane <i>OO Chemicals, Inc.</i>	(1)	(1)	(1)	
	Furan <i>OO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Furanacrolein <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	V)	(¹)	(¹)	
	Furan derivatives, all other <i>OO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Furfuryl amine <i>OO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Furoic acid <i>QO Chemicals, Inc.</i>	(¹)	(1)	(1)	
	Methyl furan <i>OO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Methyl tetrahydrofuran <i>OO Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(1)	
293221	Coumarin, methylcoumarins and ethylcoumarins	(¹)	(¹)	(¹)	
29322100	Coumarin, methylcoumarins and ethylcoumarins	(¹)	(¹)	(¹)	
	Coumarin <i>Rhone Poulenc, Inc.</i>	V)	(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
293229	Lactones other than coumarin, methylcoumarin and ethylcoumarins	78,804	(¹)	(¹)	
29322910	Aromatic pesticides of lactones	(1)	(1)	(¹)	
	3-(a-Acetylbenzyl)-4-hydroxycoumarin (Warfarin) <i>Motomco, Ltd.</i> <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Gibberellic acid <i>Abbott Laboratories</i>	(1)	(1)	(¹)	
	Residual Total	(1)	(¹)	(¹)	
29322920	Aromatic drugs of lactones	(¹)	(¹)	(1)	
	Dicumarol <i>Abbott Laboratories</i>	19	(¹)	(¹)	
	Lovastatin <i>Merck & Co., Inc.</i>	(¹)	(¹)	(¹)	
	Monesin <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	Potassium warfarin <i>RSA Corp.</i>	(1)	(1)	(1)	
	Spirolactone <i>G.D. Searle & Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29322930	Aromatic lactones, nesi, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	Caprolactone <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(9)	
	Hydrocoumarin <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	4-Hydroxynonanonic acid, γ -lactone (γ -Nonalactone) <i>Elan Chemical Co.</i>	(¹)	(¹)	(¹)	
	2-11-Hydroxypentyl-cyclopentanone <i>Firmenich, Inc.</i>	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29322930 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	4-Hydroxyundecanoic acid, γ -lactone (γ -Undecalactone)	(9)	(¹)	01	
	<i>Elan Chemical Co.</i>				
	2-Pentyl-cyclopenten-1-one	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Residual Total	(¹)	(9)	(¹)	
29322950 Nonaromatic lactones		64,607	(¹)	PI	
	Butyrolactone	(¹)	5,873	14,712	\$ 2.51
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BASF Corp., (Parsippany, NJ)</i>				
	<i>ISP Chemicals, Inc.</i>				
	Diketene	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	Isoascorbic acid (Erythorbic acid)	(1)	(¹)	(¹)	
	<i>Pfizer, Inc.</i>				
	Trioxsalen	(¹)	(¹)	(¹)	
	<i>Regis Technologies, Inc.</i>				
	Residual Total	64,607	(¹)	(¹)	
293229XX HTS Level Residual Total		14,197	(¹)	(¹)	
293290 Heterocyclic compounds with oxygen hetero-atom(s) only, nesi		(¹)	(¹)	(11)	
29329020 Aromatic pesticides of heterocyclic compounds with oxygen hetero-atom(s) only, nesi		(¹)	(¹)	(¹)	
	3-(3-(4'-Bromo(1, 1'-biphenyl)-4-yl)-1, 2, 3,4-tetrahydro-1-naphthaleny1-4-hydroxy-2H-1-benzopyran-2-one	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	2,3-Dihydro-2,2-dimethyl-7-benzofuranyl Idibutylamino)thiomethyl carbamate	(¹)	(1)	(1)	
	<i>FMC Corp., Agricultural Chemical Group</i>				
	2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate	(¹)	(1)	(1)	
	<i>FMC Corp., Agricultural Chemical Group</i>				
	2-Pivaloyl-1,3-indandione (Pindone)	(¹)	(¹)	(¹)	
	<i>Motomco, Ltd.</i>				
	Rodenticides, cyclic,all other	(¹)	(¹)	(¹)	
	<i>Motomco, Ltd.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29329041 Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi, described in additional U.S. note 3 to section VI		(¹)	(¹)	(¹)	
	3-Hydroxy-2-ethyl-4-pyrone (Ethylmaltol)	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	3-Hydroxy-2-methyl-4-pyrone (Matto')	(¹)	(¹)	(¹)	
	<i>Pfizer, Inc.</i>				
	Simvastatin	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29329045 Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi		(1)	(1)	(1)	
	2,3-Dihydro-7-hydroxy-2,2-dimethylbenzofuran	(¹)	(¹)	(¹)	
	<i>FMC Corp., Agricultural Chemical Group</i>				
	Residual Total	(1)	(1)	(1)	
29329050 Nonaromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi		24,637	(1)	(1)	
	6-Acetoxy-2,4-dimethyl-1,3-dioxane	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Givaudan Corp.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29329050 --Con lined					
<i>Chemical description/Manufacturer—Continued</i>					
	Witco Corp.				
	Dioxane (1,4-Diethylene oxide)	(¹)	(9)	(¹)	
	Ferro Corp., Grant Chemical Div.				
	1,3-Dioxolane	(¹)	(¹)	(¹)	
	Ferro Corp., Grant Chemical Div.				
	Isophorone diisocyanate	(¹)	(¹)	(¹)	
	Olin Corp.				
	Trioxane	(¹)	(¹)	(¹)	
	Ultraform Co.				
	Residual Total	24,637	(¹)	(¹)	
293290XX	HIS Level Residual Total	(¹)	(¹)	(9)	
2932XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
2933	Heterocyclic compounds with nitrogen hetero-atom(s) only; nucleic acids and their salts	1,165,987	396,810	2,386,568	\$ 6.01
293319	Compounds containing an unfused pyrazole ring in the structure, nesi	(9)	(¹)	(¹)	
29331935	Aromatic or modified aromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only cont. unfused pyrazole ring				
	Dichloralphenazone	(¹)	(9)	(¹)	
	Arenol Chemical Corp.	(¹)	(¹)	(¹)	
	Residual Total	(1)	(1)	(9)	
29331940	Aromatic heterocyclic compounds with nitrogen hetero-atom(s) only cont. unfused pyrazole ring in add. U.S. note 3, sec. VI				
	Benzyl(alkylpyridinium)chloride	(¹)	(¹)	(¹)	
	Company not disclosed	(¹)	(¹)	(¹)	
	N-Morpholinyl-2-benzothiazolyl disulfide	(¹)	(¹)	(¹)	
	Goodyear Tire & Rubber Co.				
	Residual Total	(¹)	(¹)	(¹)	
29331945	Nonaromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only containing an unfused pyrazole ring				
	Captopril	(¹)	(¹)	(9)	
	Bristol Myers Squibb Co.	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
293321	Hydantoin and its derivatives	PI	(¹)	(9)	
29332100	Hydantoin and its derivatives	(¹)	(¹)	(¹)	
	Bromochloro-5,5'-dimethyl hydantoin	(¹)	(¹)	(¹)	
	Great Lakes Chemical Corp.				
	Lonza, Inc.				
	1,3-Dichloro-5,5-dimethylhydantoin	(9)	(1)	(9)	
	Lonza, Inc.				
	5,5-Dimethylhydantoin	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Ethotoin	(1)	(1)	(1)	
	Abbott Laboratories				
	Hydroxymethyl-5,5-hydantoin	PI	(1)	(1)	
	Lonza, Inc.				
	Phenytoin	(¹)	(¹)	(9)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Phenytoin, sodium	(¹)	(¹)	(¹)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Residual Total	(9)	(¹)	(¹)	
293329	Compounds containing an unfused imidazole ring in the structure, nesi	(¹)	(¹)	(¹)	
29332920	Aromatic or modified aromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only cont. an unfused imidazole ring	(¹)	(¹)	(9)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29332920 —Continued					
	Naphazoline hydrochloride <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29332930	Aromatic/mod. arom. heterocyclic compounds with Nhetero-atom(s) only nesi, cont. unfused imidazole ring, as in add. U.S. note 3, sec. VI	(1)	(1)	(1)	
	1-(2-Aminoethyl)-2-naphthenyl-2-imidazoline <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)		(1)	
29332940	Aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only cont. an unfused imidazole ring, nesi	(1)	(1)	(1)	
	1,1-Bis(carboxymethyl)-2-undecyl-2-imidazolinium hydroxide, disodium salt <i>Piedmont Chemical Industries, Inc.</i>	(1)		(1)	
	Residual Total	(1)	(1)	(1)	
29332950	Nonaromatic heterocyclic compounds with nitrogen hetro-atom(s) only, containing an unfused imidazole ring, nesi	2,199	(1)	(1)	
	Alkyl imidazoline <i>Quaker Chemical Corp.</i>	(1)	(1)	(1)	
	1-(2-Aminoethyl)-2-nor(tall oil alkyl)-2-imidazoline <i>Company not disclosed</i> <i>Witco Corp.</i>	(1)	(1)		
	1,3-Bis(2-hydroxyethyl-5,5-dimethyl)-2,4-imidazolidinedione <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	1,3-Dichloro-5-ethyl-5-methyl-2,4-imidazolidinedione <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	1,3-Dihydroxymethyl-5,5-dimethyl-2,4-imidazolidinedione <i>Lonza, Inc.</i>		(1)	(1)	
	2,4-Imidazolidinedione, 5,5-dimethyl-formaldehyde polymer <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Residual Total	2,199	(1)	(1)	
293331	Pyridine and its salts	(1)		(1)	
29333100	Pyridine and its salts	(1)	(1)	(1)	
	Pyridine hydrochloride <i>RSA Corp.</i> <i>Zeeland Chemical, Inc.</i>	(1)		(1)	
	V Pyridine, refined <i>Nepera, Inc.</i>	(1)	(1)		
	Pyridine, refined all other grades <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293339	Compounds containing an unfused pyridine ring in the structure, nesi	63,041	(1)	(1)	
29333910	Colidines, lutidines and picolines	(1)	(1)	(1)	
	2,6-Lutidine <i>Reilly Industries, Inc.</i>		(1)	(1)	
	Picoline (3,4-mixture) <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	2-Picoline (α-Picoline) <i>Reilly Industries, Inc.</i>	(1)		(1)	
	3-Picoline (β-Picoline)	(1)	(1)	(1)	

See endnotes at and of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333910 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Nepera, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	4-Picoline (4-Picoline)	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	Residual Total		(1)	(1)	
29333920	p-Chloro-2-benzylpyridine & other specified heterocyclic compounds, w Nhetero-atoms) only				
	cont. an unfused pyridine ring	(1)	(1)	(1)	
	4-Phenylpropylpyridine	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29333923	o-Paraquat dichloride	(1)	(1)	(1)	
	1,1'-Dimethyl-4,4'-bipyridinium dichloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	1,1-Dimethylpiperidinium chloride	(1)	(1)	(1)	
	<i>BASF Corp, /Parsippany, NJ)</i>				
	Residual Total	(1)	(1)	(1)	
29333925	Herbicides nesi, of heterocyclic compounds with nitrogen hetero-atoms) only, containing an unfused pyridine ring	(1)	(1)	(1)	
	4-Amino-3,5,6-trichloropicolinic acid (Picloram)	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	Butyl 2-14-115-(trifluoromethyl-2-pyridinyl)oxy phenoxypropanoate	(1)	(1)	(1)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	2-Chloro-6-(trichloromethyl)pyridine	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	3,6-Dichloropicolinic acid	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	0,0-Diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	3,5,6-Trichloro-2-pyridinyloxyacetic acid	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	Residual Total	(1)	(1)	(1)	
29333927	Pesticides nesi, of heterocyclic compounds with nitrogen hetero-atoms) only, containing an unfused pyridine ring	(1)		(1)	
	Di-n-propylisocinchomeronate		(1)	(1)	
	<i>McLaughlin Gormley King Co.</i>				
	5-Vinyl-2-picoline (MVP)	(1)	(1)	(1)	
	<i>Occidental Chemical Corp., Chemical Group Parke Davis Div. of Warner Lambert, Inc.</i>				
	2-Vinylpyridine	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	4-Vinylpyridine	(1)		(1)	
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(1)		(1)	
29333930	Psychotherapeutic agents of heterocyclic compounds with nitrogen hetero-atom(s) only, containing an unfused pyridine ring	(1)	(1)	(1)	
	Glutethimide	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Methylphenidate hydrochloride	(1)	(1)		
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29333937	HTS Level Residual Total	11	490	(1)	
	Amiloride hydrochloride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 2933937 —Continued					
Chemical description/Manufacturer—Continued					
	Merck & Co., Inc.				
	Amlodipine			(1)	
	Pfizer Pharmaceuticals, Inc.				
	Brompheniramine maleate	(1)	(1)	(1)	
	B.I. Chemicals, Inc.				
	Cetylpyridinium chloride	(1)	(1)	(1)	
	Zeeland Chemical, Inc.				
	Chlorpheniramine maleate	(1)	(1)	(1)	
	Lonza, Inc.				
	Chlorpheniramine tannate	(1)	(1)		
	Ganes Chemicals, Inc.				
	Cyproheptadine hydrochloride	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Dexbrompheniramine maleate	(1)	(1)	(1)	
	Company not disclosed				
	Dimethindene maleate	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Diphenoxylate		(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Disopyramide phosphate	(1)	(1)	(1)	
	G.D. Searle & Co.				
	Doxylamine succinate	(1)	(1)	(1)	
	Ganes Chemicals, Inc.				
	Fentanyl citrate		(1)	(1)	
	Johnson Matthey, Inc.				
	Flavoxate hydrochloride	(1)	(1)	(1)	
	Lonza, Inc.				
	Flunixin meglumine	(1)	(1)	(1)	
	Company not disclosed				
	Metyrapone	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Minoxidil		(1)	(1)	
	Upjohn Co.				
	Nifedipine	(1)	(1)	(1)	
	Pfizer Pharmaceuticals, Inc.				
	Pfizer, Inc.				
	Pyridostigmine bromide	(1)	(1)	(1)	
	Hoffmann LaRoche, Inc.				
	Pyrilamine tannate	(1)	(1)	(1)	
	Ganes Chemicals, Inc.				
	Sulfentanil citrate	(1)	(1)	(1)	
	Johnson Matthey, Inc.				
	Terfenadine	(1)	(1)	(1)	
	Dow Chemical Co.				
	Ganes Chemicals, Inc.				
	Tripelennamine	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Tripelennamine hydrochloride	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Triprolidine oxalate	(1)	(1)		
	Lonza, Inc.				
	Residual Total	490	(1)	(1)	
2933947	Heterocyclic compounds nesi, w/ nitrogen hetero-atom(s) only, cont. unfused pyridine ring, described in add. US note 3, sec. VI	351	284	6,716	\$ 23.64
	2-Acetylpyridine	(1)	(1)	(1)	
	Reilly Industries, Inc.				
	1-Benzy1-4-phenylisonipecotonitrile	(1)		(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333947 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	2-Bromopyridine	(¹)	(¹)	(¹)	
	<i>Diaz Chemical Corp.</i>				
	2,6-Dichloropyridine	(¹)	(¹)	(¹)	
	<i>Olin Corp.</i>				
	3,5-Dimethylpiperidine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Dodecyl pyridinium chloride	(¹)	(11)	(1)	
	<i>Twin Lake Chemical, Inc.</i>				
	1-Ethylpiperidine	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	1-Formylpiperidine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Guanine	(¹)	(¹)	(¹)	
	<i>B.I. Chemicals, Inc.</i>				
	1-Methyl-(2-hydroxyethyl)piperidine	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	1-Methylpiperidine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	2-Methylpiperidine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Residual Total	351	284	6,716	\$ 23.64
29333950	Heterocyclic compounds nesi, with nitrogen hetero-atom(*) only, containing an unfused pyridine ring	10,155	4,732	39,770	8.41
	Alkylpyridines, mixed	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	2-Amino-3-methylpyridine	(¹)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	2-Amino-5-methylpyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	2-Amino-6-methylpyridine	(1)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	2-Aminopyridine	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	3-Aminopyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	4-Aminopyridine	(¹)	(1)	(1)	
	<i>Regis Technologies, Inc.</i>				
	3-Cyanopyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	2,6-Diaminopyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	3,4-Diaminopyridine	(¹)	(¹)	(¹)	
	<i>Regis Technologies, Inc.</i>				
	3,5-Diethyl-1, 2-dihydro- 1-phenyl- 2-propylpyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	1,3-Di-4-piperidylpropane	(¹)	(¹)	(1)	
	<i>Reilly Industries, Inc.</i>				
	1-Dodecylpyridinium chloride	(¹)	(1)	(¹)	
	<i>Hickson Danchem Corp.</i>				
	2-Ethanolpyridine	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Isonicotinonitrile	(1)	(1)	(1)	
	<i>Reilly Industries, Inc.</i>				
	Nicotinonitrile (3-Cyanopyridine)	(¹)	(¹)	(¹)	
	<i>Nepera, Inc.</i>				
	Phenethyl pyridinium bromide	(¹)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333950 —Continued					
Chemical description/Manufacturer—Continued					
	Picolonitrile (2-Cyanopyridine) <i>Nepera, Inc.</i>	(1)		(1)	
	3-Picolylamine <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	Pipecolic acid <i>Reilly Industries, Inc.</i>	(1)	(1)		
	Piperidine <i>Company not disclosed</i> <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	3-Propanolpyridine <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	3-Pyridinemethanol <i>Reilly Industries, Inc.</i>	(1)		(1)	
	2 Pyridinethiol-1-oxide, sodium salt <i>Olin Corp.</i>	(1)	(1)	(1)	
	2 Pyridinethiol-1-oxide, zinc salt <i>Olin Corp.</i>	(1)	(1)	(1)	
	Residual Total	10,155	4,732	39,770	\$ 8.41
293339XX	HTS Level Residual Total	52,045	27,786	473,353	17.04
293340	Compounds containing a quinoline or isoquinoline ring-system (whether or not hydrogenated), not further fused		(1)	(1)	
29334020	5-Chloro-7-iodo-8-quinolinol (iodochlorhydroxyquin); decoquinate; diiodohydroxyquin; and oxyquinoline sulfate	(1)	(1)		
	loclochlorhydroxyquin <i>Sterling Drug, Inc. (Barceloneta)</i>	(1)	(1)	(1)	
	Oxyquinoline sulfate <i>Napp Technologies, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)		
29334027	HIS Level Residual Total	(1)	36	(1)	(1)
	<i>Company not disclosed</i>	(1)	(1)	(1)	
	Dibucaine <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Mivacurium chloride <i>Company not disclosed</i>		(1)	(1)	
	Noscapine <i>Mallinckrodt Chemicals Inc.</i>	(1)	(1)	(1)	
	Oxyquinoline benzoate (benoxiquine) <i>Napp Technologies, Inc.</i>	(1)	(1)	(1)	
	Oxyquinoline citrate <i>Napo Technologies, Inc.</i>	(1)	(1)	(1)	
	Residual Total	36	(1)	(1)	
29334030	Pesticides of heterocyclic compounds with nitrogen hetero-atom(s) only, cont. a quinoline or isoquinoline ring-system, not further fused	(1)	(1)	(1)	
	2-416-Chloro-2-quinoxalinyloxy phenoxy propionil acid ethyl ester (Quizalofod ethyl) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>		(1)		
	3,7-Dichloro-8-quinolinic Acid <i>BASF Corp. (Parsippany, NJ)</i> <i>Ruetgers Neese Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
—..9334045	Heterocyclic compounds nesi, with Nhetero-atoms only, cont. a quinoline or isoquinoline ring-system, described in add. US note 3, sec. VI			(1)	
	1,2-Dihydro-2,2,4-trimethylquinoline	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29334045 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Ethyl hydroxyquinoline	(1)	(1)	(1)	
	<i>ChemDesign Corp.</i>				
	Isobutylquinoline	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Quinaldine	(1)	(1)	(1)	
	<i>Color Chem International Corp.</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
293340XX	HTS Level Residual Total	(1)	(1)	(1)	
293351	Malonylurea (Barbituric acid) and its derivatives; salts thereof	(1)	(1)	(1)	
	Butalbital	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenobarbital	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenobarbital, sodium	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Secobarbital, sodium	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
293359	Compounds containing a pyrimidine ring or piperazine ring in the structure; nucleic acids and their salts, nesl	15,830	(1)	(1)	
29335910	Aromatic or modified aromatic herbicides of heterocyclic compounds with nitrogen hetero-atom(s) only, cont. a pyrimidine or piperazine ring	(1)	(1)	(1)	
	5-Bromo-3-sec-butyl-6-methyluracil (Bromacil)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	3-tert-Butyl-5-chloro-6-methyluracil	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	a-Cyclopropyl-a-(p-methoxyphenyl)-5-pyrimidine methanol (Ancymidol)	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Methyl 2-1[(114,6-dimethyl-2-pyrimidinyl)aminol carbonylamino)sulfonyl]benzoate	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Residual Total	(1)	(1)	(1)	
29335915	Aromatic or modified aromatic pesticides nesl, of heterocyclic compounds with Nhetero-atom(s) only cont. a pyrimidine or piperazine ring	(1)	(1)	(1)	
	a-(2-Chlorophenyl)-1-(4-chlorophenyl)-5-pyrimidinemethanol	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	o-(2-(Diethylamino)-6-methyl (4-pyrimidinyl) o,o-dimethyl phosphorothioate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	0,0-Diethyl O-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphorothioate (Diazinon)	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	5,6-Dimethyl-2-dimethylamino-4-pyrimidinyl dimethyl carbamate	(1)	(1)	(1)	
	<i>NOR AM Chemical Co.</i>				
	Ethyl 2-(4-chloro-6-methoxy-pyrimidin-2-yl)amino carbonyl amino sulfonyl benzoate (Chlorimuron ethyl)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29335915 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Methyl 2-(4,6-dimethoxypyrimidin-2-yl)amino carbonyl amino sulfonyl methyl benzoate (Bensulfuron) (Londax)	(1)		(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	a-(1-methylethyl-x-4-trifluore-methoxy phenyl)-5-pyrimidinemethan of (Flurprimidol)	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Residual Total	(1)		(1)	
29335925	Antihistamines of heterocyclic compounds with nitrogen hetero-atoms only cont. pyrimidine or piperazine ring				
	Cyclizine hydrochloride		(1)	(1)	
	<i>Burroughs Wellcome Co.</i>		(1)	(1)	
	Meclizine hydrochloride	(1)	(1)	(1)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Diethylcarbazine citrate	(1)		(1)	
	<i>Lonza, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29335936	HTS Level Residual Total	4,177	2,115	7,607	\$ 3.60
	Amprolium	(1)	(1)		
	<i>Merck & Co., Inc.</i>				
	• Cytarabine	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	<i>Upjohn Co.</i>				
	Flucytosine		(1)	(1)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Ormetoprim		(1)	(1)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Piperazine	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Piperazine dihydrochloride	(1)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Piperazine hexahydrate		(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Piperazine hydrochloride	(1)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Piperazine sulfate	(1)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Residual Total	4,177	2,115	7,607	3.60
	Amobarbital, sodium	(1)	(1)		
	<i>Ganes Chemicals, Inc.</i>				
	Hydroxyzine pamoate	(1)		(1)	
	<i>Hopp Technologies, Inc.</i>				
	Metharbital	(1)	(1)		
	<i>Abbott Laboratories</i>				
	Pentobarbital	(1)			
	<i>Ganes Chemicals, Inc.</i>				
	Poly(oxy-1,2-ethanediyI)-o-carboxymethyl, w-ltridecyloxy, potassium salt		(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)		(1)	
	Prazosin	(1)		(1)	
	<i>Abbott Laboratories</i>				

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29335955 —Continued					
	Thiopental, sodium Abbott Laboratories		(1)	(1)	
	Residual Total	(1)		(1)	
	1,4-Dimethylpiperazine Company not disclosed	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29335990	HTS Level Residual Total	(1)	(1)	(1)	
	1-12-Aminoethylpiperazine Dow Chemical Co.	(1)	(1)	(1)	
	Dimethyl piperazine Texaco Chemical Co.	(1)	(1)	(1)	
	2,4-Dioxypyrimidine (Uracil) PCR, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293359XX	HTS Level Residual Total	11,653	(1)	(1)	
293361	Melamine	(1)	(1)	(1)	
29336100	Melamine Melamine Cytac Industries Melamine Chemicals, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293369	Heterocyclic compounds with nitrogen hetero-atom(s) only, cont. unfused triazine ring, excluding melamine	162,688	89,379	602,459	\$ 6.74
29336900	Heterocyclic compounds with nitrogen hetero-atom(s) only, cont. unfused triazine ring, excluding melamine	162,688	89,379	602,459	6.74
	4-Amino-6-11,1-dimethylethyl)-3-(methylthio)-1, 2,4-triazin-5-(4H)-one E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept. Miles, Inc., Agricultural Chemicals Div.	(1)	(1)	(1)	
	2,4-Bis(ethylamino)-6-methylmercapto-s-triazine 1Simetryn Ciba Geigy Corp.	(1)	(1)	(1)	
	4,6-Bis(isopropylamino)-2-methoxy-s-triazine (Prometon) Ciba Geigy Corp.	(1)	(1)	(1)	
	2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine (Prometryn) Ciba Geigy Corp.	(1)	(1)	(1)	
	2-Chloro-4,6-bis(ethylamino)-s-triazine (Simazine) Ciba Geigy Corp.	(1)	(1)	(1)	
	2-Chloro-4,6-bis(isopropylamino)-s-triazine (Propazine) Ciba Geigy Corp.	(1)	(1)	(1)	
	2-Chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine (Atrazine) Ciba Geigy Corp.	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	2-14-Chloro-6-(ethylamino)-s-triazin-2-ylamino]-2-methylpropionitrile (Cyanazine) E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.	(1)	(1)	(1)	
	3-Cyclohexy1-6-(dimethylamino)-1-methy1-1,3,5-triazine-2,4-(1H,3H)-dione E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.	(1)	(1)	(1)	
	0,0-Dimethyl S-(4-oxo-1,2,3-benzotriazin-3(3H)-yl)methylIphosphorodithioate (Azinphos-methyl)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 29336900 —Continued					
Chemical description/Manufacturer—Continued					
E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.					
	2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine (Ametryne)	(I)	(I)	(I)	
	Ciba Geigy Corp.				
	Hexahydro-1,3,5-triethyl-s-triazine	(I)	(I)	(I)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	(I)	PI	(I)	
	Angus Chemical Co.				
	2-(sec-Butylamino)-4-ethylamino-6-methoxy-s-triazine	(I)	(I)	(I)	
	Ciba Geigy Corp.				
	2-(tert-Butylamino)-4-ethylamino-6-(methylthio)-s-triazine	(I)	(I)	(I)	
	Ciba Geigy Corp.				
	Tolyltriazole	(I)	(I)	(I)	
	PMC Inc., PMC Specialities Group, Inc.				
	Trichloromelamine	(I)	(I)	(I)	
	GFS Chemicals, Inc.				
	2,4,6-Trichloro-s-triazine (Cyanuric chloride)	(I)	(I)	(I)	
	Degussa Corp.				
	1,3,5-Trichloro-s-triazine-2,4,6-trione (Trichloroisocyanuric acid)	19	(I)	(I)	
	Olin Corp.				
	Triethyltrimethylenetriamine	(I)	(I)	(I)	
	Uniroyal Chemical Co., Inc.				
	Residual Total	162,688	89,379	602,459	\$ 6.74
293371	6-Hexanelactam (epsilon-Caprolactam)	649,825	(I)	(I)	
29337100	6-Hexanelactam (epsilon-Caprolactam)	649,825	(I)	(I)	
	Caprolactam (2-Oxohexamethylenimine)	649,825	(I)	(I)	
	Allied Signal, Inc., Engineered Materials Sector				
	BASF Corp. (Parsippany, NJ)				
	DSM Chemicals, North America, Inc.				
	Residual Total		(I)	(I)	
293371XX	HTS Level Residual Total		(I)	(I)	
293379	Lactams other than 6-Hexanelactams (epsilon-Caprolactam) only; nucleic acids and their salts	(I)	(I)	(I)	
29337910	Aromatic or modified aromatic lactams described in additional U.S. note 3 to section VI	(I)	(I)	(I)	
	Caprolactam magnesium bromide	(I)	(I)	(I)	
	Ferro Corp., Grant Chemical Div.				
	Residual Total	(I)	(I)	(I)	
29337915	Aromatic or modified aromatic lactams, nesi	(I)	(I)	(I)	
	Lisinopril	(I)	(I)	(I)	
	Merck & Co., Inc.				
	Residual Total	(I)	(I)	(I)	
29337920	N-Methyl-2-pyrrolidone; and 2-pyrrolidone	11)	(I)	PI	
	1-Methyl-2-pyrrolidone compounds	(I)	(I)	(I)	
	ISP Chemicals, Inc.				
	1-Methyl-2-pyrrolidone, monomer	32,151	26,904	75,892	2.82
	Atlantic Richfield Co., ARCO Chemical Co.				
	BASF Corp. (Parsippany, NJ)				
	ISP Chemicals, Inc.				
	2-Pyrrolidinone (2-Pyrrolidone)	(I)	(I)	(I)	
	BASF Corp. (Parsippany, NJ)				
	ISP Chemicals, Inc.				
	Residual Total	(I)	(I)	(I)	
29337950	Nonaromatic lactams, nesi	(I)	(I)	(I)	
	5-Ethyl pyrrolidine-2,3-dicarboxylic acid	(I)	(I)	(I)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29337950 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Company not disclosed</i>				
	N-Octyl-2-pyrrolidone	(1)		(1)	
	ISP Chemicals, Inc.				
	Residual Total	(1)	(1)	(1)	
293390	Heterocyclic compounds with nitrogen hetero-atom(s) only, nucleic acids and their salts, nesi	(1)	32,652	186,820	\$ 5.72
29339020	Aromatic or modified aromatic pesticides nesi, of heterocyclic compounds with nitrogen hetero-atom(s) only	4,835	(1)		
	N-IMercaptomethylphthalimide S-10,0-dimethylphosphorodithioate)	(1)	(1)	(1)	
	Zeneca, Inc., Agricultural Chemicals Div.				
	Methyl-1 -(butylcarbamoyl)-2-benzimidazolecarbamate (Benomyl)	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	3-12-Methylpiperidino)propyl-3,4-dichlorobenzoate (Pipron)	(1)	(1)	(1)	
	Eli Lilly & Co.				
	Uniroyal Chemical Co., Inc.				
	Residual Total	4,835		(1)	
29339025	Photographic chemicals of aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only	(1)	(1)		
	Phenyl-5-mercaptotetrazole	(1)	(1)	(1)	
	Fairmount Chemical Co., Inc.				
	Residual Total	(1)	(1)	(1)	
29339026	Aromatic or modified aromatic antihistamines of heterocyclic compounds with nitrogen hetero-atom(s) only	(1)	(1)	(1)	
	Phenindamine tartrate		(1)	(1)	
	Ganes Chemicals, Inc.				
	Tripolidine hydrochloride		(1)	(1)	
	Lonza, Inc.				
	Residual Total	(1)	(1)	(1)	
29339039	Other aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only, nesi	238	79	1,618	20.50
	3-Amino-9-ethylcarbazole	(1)	(1)	(1)	
	Synalloy Corp., Blackman Uhler Chemical Div.				
	2-Amino-2-methylpropyl 8-bromotheophyllinate			(1)	
	Chattem, Inc.				
	1,3-Dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione	(1)	(1)	(1)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	1,10-Phenanthroline	(1)	(1)	(1)	
	Company not disclosed				
	5-Phenyltetrazole	(1)	(1)	(1)	
	Olin Corp.				
	Residual Total	238	79	1,618	20.50
	Azidothymidine	(1)	(1)	(1)	
	Company not disclosed				
	Cinoxacin	(1)	(1)	(1)	
	Eli Lilly & Co.				
	Fluconazole	(1)	(1)	(1)	
	Pfizer Pharmaceuticals, Inc.				
	Metronidazole	(1)	(1)	(1)	
	G.D. Searle & Co.				
	1-Vinyl-2-pyrrolidinone, monomer	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29339046 —Continued					
Chemical description/Manufacturer—Continued					
	<i>ISP Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Terazosin	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Residual Total	(1)	(1)	(1)	
	Indomethacin	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Imipramine hydrochloride	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29339061	HTS Level Residual Total		50	(1)	
	Hydralazine hydrochloride	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Methenamine	(1)	(1)	(1)	
	<i>Arenol Chemical Corp.</i>				
	Methenamine mandelate	(1)	(1)	(1)	
	<i>Arenol Chemical Corp.</i>				
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Methsuximide	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Molindone hydrochloride	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Nefazodone	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Residual Total		50	(1)	
	Alprazolam	(1)	(1)	(1)	
	<i>Upjohn Co.</i>				
	Prazepam	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Acyclovir	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Ganciclovir	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Glycopyrrolate	(1)	(1)	(1)	
	<i>B.I. Chemicals, Inc.</i>				
	Melatonin	(1)	(1)	(1)	
	<i>Regis Technologies, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Antifungal agents, all other	(1)	(1)	(1)	
	<i>Arenol Chemical Corp.</i>				
	Omeprazole	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(1)		(1)	
	Bis(morpholinothiocabomyl) disulfide	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	Glipizide	(1)	(1)	(1)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	3-Methylindole (Skatole)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Mitomycin	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	1,3,3-Trimethyl-6 ² , a-indolineacetaldehyde	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	N-Vinyl pyrrolidone	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29339087	HTS Level Residual Total	67,168	(¹)	(¹)	
	Hexamethylenetetramine, tech. <i>Borden, Inc., Packaging & Industrial Products Div.</i> <i>Hampshire Chemical Corp., Hampshire Chemicals</i> <i>Monsanto Co.</i> <i>Wright Chemical Corp.</i>	67,168	(¹)	1 ¹	
	Residual Total		(¹)	(¹)	
	Enalapril maleate <i>Merck & Co., Inc.</i>	(¹)	(¹)	(¹)	
	Ethosuximide <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(¹)	(¹)	(¹)	
	Phensuximide <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(¹)		(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29339095	HTS Level Residual Total	1,131	(¹)	(¹)	
	(2 <i>S</i> -trans)-3-Amino-2-methyl-4-oxo-1-azetidinesulfonic acid, inner salt <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)		
	Benzyl picolinium chloride <i>Gresco, Mfg., Inc.</i>	(¹)	(¹)	(¹)	
	Carbobenzoxy-L-azetidinone sodium salt <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)	(¹)	
	4,4'-Dithiodimorpholine <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Methylaziridine <i>Dixie Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Morpholine salt of gluconic acid <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	1-Phenethyl-2-picolinium bromide <i>Zeeland Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	1,131	(¹)	(¹)	
293390XX	HTS Level Residual Total	(¹)	29,788	185,202	\$ 6.22
2933XX	HTS Level Residual Total	113,077	195,817	594,882	3.04
2934	Other heterocyclic compounds	139,268	(¹)	(¹)	
293420	Compounds containing benzothiazole ring-system (whether or not hydrogenated), not further fused	62,901	30,894	180,788	5.85
29342005	N-tert-Butyl-2-benzothiazolesulfenamide	11,215	12,371	53,732	4.34
	N-tert-Butyl-2-benzothiazolesulfenamide <i>B F Goodrich Co.</i> <i>Company not disclosed</i> <i>Monsanto Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	11,215	12,371	53,732	4.34
29342010	2,2'-Dithiobisbenzothiazide	(¹)	(¹)	(¹)	
	2,2'-Dithiobisbenzothiazide <i>B F Goodrich Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29342020	2-Mercaptobenzothiazole, sodium salt (2-Benzothiazolethiol, sodium salt)	(¹)	(¹)	(¹)	
	2-Benzothiazolethiol, sodium salt <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	1 H-Benzothiazole <i>PMC Inc., PMC Specialities Group, Inc.</i>	(¹)	(¹)	(¹)	
	2-Mercaptobenzothiazole, sodium salt <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
	Chlorothiazide <i>Merck & Co., Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29342035	Pesticides containing a benzothiazole ring-system, not further fused	(1)	(1)	(1)	
	2-(Thiocyanomethylthio)benzothiazole	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29342040	Heterocyclic compounds containing a benzothiazole ring-system, not further fused, described in add. U.S. note 3 to section VI	4,255	(1)	(1)	
	N-Cyclohexyl-2-benzothiazolesulfenamide	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	2-Mercaptotoluimidazole, zinc salt	(1)	(1)	(1)	
	<i>Vanderbilt Chemical Corp. (Murray, KY)</i>				
	6-Methyl-2-(12-methyl-6-quinoly1)-7-benzothiazolesulfonic acid	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Thiazole derivatives, cyclic, other	(1)	(1)	(1)	
	<i>B F Goodrich Co.</i>				
	<i>Company not disclosed</i>				
	<i>Monsanto Co.</i>				
	Residual Total	4,255	(1)	(1)	
29342060	Heterocyclic compounds containing a benzothiazole ring-system, not further fused, nesi	(1)	(1)	(1)	
	2-Amino-5-mercapto-1,3,4-thiadiazole	(1)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Benzotriazole, substituted	(9)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	2-Chlorobenzothiazole	(1)	(1)	(1)	
	<i>Miles, Inc., Agricultural Chemicals Div.</i>				
	2-Mercaptobenzothiazole	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	2-Mercaptobenzothiazole, copper salt	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	2-Mercaptobenzothiazole, zinc salt	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	2-Methylbenzothiazole	(1)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	2-(1p-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid and salt	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Residual Total	(1)	(1)	(1)	
293420XX	HTS Level Residual Total	47,430	9,147	100,314	\$ 10.97
293430	Compounds containing a phenothiazine ring-system (whether or not hydrogenated), not further fused	(1)	(1)	(1)	
	Chlorpromazine hydrochloride	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Prochlorperazine maleate	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Residual Total	(9)	(1)	(1)	
29343030	Drugs of heterocyclic compounds containing a phenothiazine ring-system, not further fused, nesi	(1)	(1)	(1)	
	Phenothiazine derivatives, all other	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Prochlorperazine edisylate	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29343050	Heterocyclic compounds containing a phenothiazine ring-system (whether or not hydrogenated), not further fused, nesi	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29343050 —Continued					
	2-Amino-6-benzothiazolesulfonic acid <i>Miles, Inc., Dyes & Pigments Div.</i>		(¹)		
	Residual Total	(¹)	(¹)	(¹)	
	Tacrine <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
293490	Heterocyclic compounds, nesi	76,320	37,678	294,031	\$ 7.80
29349012	Aromatic or modified aromatic fungicides of other heterocyclic compounds, nesi	2,420	(1)	(1)	
	Cyclic fungicides, all other <i>Ferro Corp., Bedford Chemical Div.</i> <i>Huts America, Inc.</i> <i>Morton International, Inc.</i>	(¹)	(1)	(1)	
	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione (DMTT) <i>Buckman Laboratories, Inc.</i> <i>Rohm & Haas Co.</i> <i>Vinings Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	2,420		(¹)	
29349014	Aromatic or modified aromatic herbicides of other heterocyclic compounds, nesi	2,925		(¹)	
	2-12-Chlorophenylmethyl-4,4-dimethyl-3-isoxazolinone <i>Company not disclosed</i> <i>FMC Corp., Agricultural Chemical Group</i>	(¹)	(1)	(1)	
	Cyclic herbicides, all other <i>Ciba Geigy Corp.</i> <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i> <i>Farm/and Industries, Inc.</i> <i>Rohm & Haas Co.</i>	(1)	(1)	(1)	
	N-15-1,1-Dimethyl-1,3,4-thiadiazol-2-yl)-N,N-dimethylurea (Tebuthiuron) <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	N-(3-(1-Ethyl-1-methylpropyl-5-isoxazolyl)-2,6-dimethoxybenzamide (Flexidor) <i>Eli Lilly & Co.</i> <i>Riverdale Chemical Co.</i>	(¹)	(¹)	(¹)	
	1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl]-4(1H)-pyridone (Fluridone) <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	2,925	(¹)	(1)	
29349016	Aromatic or modified aromatic insecticides of other heterocyclic compounds, nesi		(¹)	(¹)	
	Cyclic insecticides, all other <i>Company not disclosed</i> <i>FMC Corp., Agricultural Chemical Group</i> <i>Sandoz Agro, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)		(¹)	
29349018	Aromatic or modified aromatic pesticides nesi, of other heterocyclic compounds, nesi	(¹)	(¹)	(¹)	
	/3-14-Chlorophenylmethyl-a-11,1-dimethylethyl)-1,2,4-triazole-1-ethanol <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)	(¹)	
	1,2-Dihydro-3,6-pyridazinedione (Maleic hydrazide) (MH) <i>Drexel Chemical Corp.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales		Average unit value	
		Production	Quantity		Value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29349018 —Continued					
	Pesticides and related products,cyclic,all other <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29349020	Aromatic or modified aromatic photographic chemicals of other heterocyclic compounds, nesi	1,920	1,436	36,175	\$ 25.18
	Photographic chemicals, all other	1,920	1,436	36,175	25.18
	<i>Alliance Chemical, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.</i>				
	<i>Fairmount Chemical Co., Inc.</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>Lonza, Inc.</i>				
29349025	Aromatic or modified aromatic drugs of other heterocyclic compounds, nesi	(1)	78	19,350	248.47
	Etidronate, disodium	(1)	(1)	(1)	
	<i>Procter & Gamble Pharmaceutical</i>				
	Famotidine	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Lasalocid	(1)	(1)	(1)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Methimazole	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Nizatidine	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	<i>Eli Lilly Industries, Inc.,</i>				
	Piroxicam	(1)	PI	(1)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	Pramoxine hydrochloride	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	<i>Company not disclosed</i>				
	Thiabendazole	(1)	PI	(1)	
	<i>Merck & Co., Inc.</i>				
	Timolol maleate	(1)	(9)	(1)	
	<i>Merck & Co., Inc.</i>				
	Triamterene	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Residual Total	I)	78	19,350	248.47
29349040	Aromatic or modified aromatic heterocyclic compounds, nesi, described in additional U.S. note 3 to section VI	(1)	II	(1)	
	4-(Cyanoacetyl)morpholine	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	4-12,5-Diethoxy-4-nitrophenyl)-morpholine	(9)	(1)	(1)	
	<i>Alliance Chemical, Inc.</i>				
	3-Hydroxy-N-(3-N-morpholino-y-propyl)-2-naphthimide	(1)	(1)	(1)	
	<i>C.N. C. International</i>				
	<i>Pfister Chemical, Inc.</i>				
	3-Trichloromethyl-1,2,4-thiadiazole	I)	(1)	(1)	
	<i>Olin Corp.</i>				
	Residual Total	1)	(1)	(1)	
	2,5-Dibutoxy-4-morpholinobenzenediazonium sulfate salt (D138 Sulfate)	(1)	(1)	(1)	
	<i>Alliance Chemical, Inc.</i>				
	2-(2,3-Dihydro-1,3-dioxo-1H-inden-2yI)-(quinoliny1)-6-methylbenzothiazole-7-sulfonic acid	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29349044 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Isatoic anhydride	(1)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	Pemoline	(1)	(1)		
	<i>Abbott Laboratories</i>				
	Residual Total	(1)	(1)	(1)	
29349047	Nonaromatic drugs of other heterocyclic compounds, nesi	(1)		(1)	
	Doxapram hydrochloride		(1)	(1)	
	B.1. Chemicals, Inc.				
	Residual Total	(1)	(1)	(1)	
29349050	Nonaromatic heterocyclic compounds, nesi	29,190	28,161	61,186	2.17
	Acyclic insecticides, all other	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	1-(3-Aminopropyl)morpholine	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	Butylmorpholine		(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	2,5-Dihydrothiophene-1,1-dioxide (Sulfolene)	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	4,4-Dihydroxymethyl-2-oxazoline	(1)	(1)	(1)	
	<i>Angus Chemical Co.</i>				
	4,4-Dimethyl oxazolidene	(1)	(1)	(1)	
	<i>Angus Chemical Co.</i>				
	<i>Houghton International, Inc.</i>				
	Dimorpholine diethyl ether	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	4-Dodecylmorpholine		(1)	(1)	
	<i>Lonza, Inc.</i>				
	S-Ethyl-hexahydro-1H-azepine-1-carbothioate (Molinate)	(1)	(1)	(1)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	4-Ethyl-4-hydroxymethyl-oxazoline	(1)	(1)	(1)	
	<i>Angus Chemical Co.</i>				
	Hydroxymethyl-bis-oxazoline	(1)	(1)	(1)	
	<i>Angus Chemical Co.</i>				
	Methoxyethyl morpholine	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	Methoxymethyl morpholine	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	4-Methylmorpholine	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	<i>Texaco Chemical Co.</i>				
	Morpholine	(1)	18,054	26,548	1.47
	<i>Air Products & Chemicals, Inc.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Texaco Chemical Co.</i>				
	4-(2-Nitrobutyl) morpholine	(1)	(1)	(1)	
	<i>Angus Chemical Co.</i>				
	4,4(5H)-Oxazole dimethanol, 2-(heptadecenyl)	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Pesticides and related products, acyclic, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Tetrahydrothiophene	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales Quantity	Value	Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29349050 —Continued					
Chemical description/Manufacturer—Continued					
	Tetrahydrothiophene-1,1-dioxide (Sulfolane)	(1)	(9)	(9)	
	Phillips 66 Co.				
	Thiophene	(1)	(1)	19	
	Elf Atochem North America, Inc.				
	Residual Total	29,190	10,106	34,639	\$ 3.43
293490XX	HTS Level Residual Total	39,865	3,275	82,822	25.29
2934XX	HTS Level Residual Total	48	(9)	(9)	
2935	Sulfonamides	3,307	(1)	(9)	
293500	Sulfonamides	3,307	(1)	(1)	
29350031	Acetylsulfisoxazole; sulfamerazine, sodium; sulfamethazine, sodium; and other specified anti-infective sulfonamides	(1)	(1)	(1)	
	Sulfacetamide, sodium	(1)	(1)	(1)	
	Schering Corp.				
	Sulfamethoxazole	(1)	(1)	(1)	
	Hoffmann LaRoche, Inc.				
	Sulfisoxazole	(1)	(1)	(1)	
	Hoffmann LaRoche, Inc.				
	Sulfisoxazole, acetyl	(1)	(1)	(1)	
	Hoffmann LaRoche, Inc.				
	Residual Total	(1)	(1)	(1)	
29350035	Sulfadiazine, sulfaguanidine, sulfapyridine, and salicylazosulfapyridine (Sulfasalazine)	(1)	(1)	(9)	
	Sulfadiazine, silver	(1)	(1)	(1)	
	Boots Pharmaceuticals, Inc.				
	Napo Technologies, Inc.				
	Sulfasalazine	(1)	(9)	(1)	
	Salsbury Chemicals, Inc.				
	Residual Total	(9)	(1)	(1)	
29350039	Anti-infective agents of sulfonamides, nesic	(1)	(1)	(1)	
	Acetohexamide	(1)	(1)	(1)	
	Eli Lilly & Co.				
	Ciorsulon	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Mafenide acetate	(1)	(1)	(1)	
	Sterling Drug, Inc., Sterling Organics Div.				
	Sulfadimethoxine	(1)	(1)	(1)	
	Hoffmann LaRoche, Inc.				
	Residual Total	(1)		(9)	
29350043	Chlorothiazide; chlorpropamide; hydrochlorothiazide; and tolbutamide	(1)	(1)	(9)	
	Dichlorphenamide	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Hydrochlorothiazide	(1)	(9)	(1)	
	Abbott Laboratories				
	Merck & Co., Inc.				
	Tolazamide	(1)	(1)	(9)	
	Upjohn Co.				
	Tolbutamide	(1)	(9)	(1)	
	Upjohn Co.				
	Residual Total	(1)	(1)	(1)	
	Thiothixene hydrochloride	(9)	(1)	19	
	Pfizer, Inc.				
	Residual Total	(1)	(9)	(1)	
29350070	HTS Level Residual Total	403	(1)	(1)	
	2-Chloro-N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonylbenzenesulfonamide	(1)	(1)	(1)	
	E.I. DuPont de Nemours & Co., Inc., Ag. Products Dept.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29350070 —Continued					
	n-(2,6-Difluorophenyl)-5-methyl-1h-1,2,4-triazolo [1,5-a]-pyrimidine-2-sulfonamide <i>Company not disclosed</i>	(1)	(1)	(1)	
	N-Ethyl-p-toluenesulfonamide <i>Ruetgers Neese Corp.</i> <i>Unitex Chemical Corp.</i>	(1)	(1)	(1)	
	methyl 24[(14-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonylaminoisulfonyl]benzoate <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	Residual Total	403		(1)	
29350090	HTS Level Residual Total	2,540	(1)	(1)	
	N-n-butyl benzenesulfonamide <i>Unitex Chemical Corp.</i>	(1)	(1)	(1)	
	3, 5-Dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide <i>Lomac, Inc.</i>	(1)	(1)		
	S-10,0-Diisopropyl phosphorodithioate ester of N-(a-mercaptoethyl)benzenesulfonamide (Bensulide) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	p-(p-Toluenesulfonamido)diphenylamine <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	2,540		(1)	
293500XX	HTS Level Residual Total	315	(1)	(1)	
2936	Provitamins and vitamins, natural or reproduced by synthesis (including natural concentrates), derivatives thereof used primarily as vitamins, and intermixtures of the foregoing, whether or not in any solvent	57,610	(1)	(1)	
293610	Provitamins, unmixed	(1)	(1)	(1)	
29361000	Provitamins, unmixed	(1)	(1)	(1)	
	Niacin (medicinal grade) <i>Reilly Industries, Inc.</i>		(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293621	Vitamins A and their derivatives, unmixed, natural or synthesized	(1)	(1)	(1)	
29362100	Vitamins A and their derivatives, unmixed, natural or synthesized	(1)	(1)	(1)	
	Beta carotene (provitamin A) <i>Company not disclosed</i>	(1)	(1)	(1)	
	Vitamin A alcohol <i>Hoffmann LaRoche, Inc.</i>	(1)		(1)	
	Vitamin A palmitate (medicinal grade) <i>Hoffmann LaRoche, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293622	Vitamin B1 (Thiamine) and its derivatives, unmixed, natural or synthesized	(1)	(1)	(1)	
29362200	Vitamin B1 (Thiamine) and its derivatives, unmixed, natural or synthesized	(1)	(1)	(1)	
	Thiamine hydrochloride <i>Hoffmann LaRoche, Inc.</i>	(1)	(1)	(1)	
	Thiamine mononitrate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293623	Vitamin B2 (Riboflavin) and its derivatives, unmixed, natural or synthesized	188	236	12,607	\$ 53.53
29362300	Vitamin B2 (Riboflavin) and its derivatives, unmixed, natural or synthesized	188	236	12,607	53.53
	Riboflavin (animal feed grade) <i>Archer Daniels Mid/and Co.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29362300 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Riboflavin (medicinal grade)			(¹)	
	<i>Company not disclosed</i>				
	<i>Hoffmann LaRoche, Inc.</i>				
	Riboflavin-5-phosphate, sodium	(1)	(1)	(¹)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Vitamin B-complex, all other	(¹)	(¹)	(¹)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Residual Total	188	236	12,607	\$ 53.53
293624	Vitamin B3 or B5 Id- or di-Pantothenic acid) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362400	Vitamin B3 or B5 Id- or dl-Pantothenic acid) and its derivatives, unmixed, natural or synthesized		(¹)	(¹)	
	Dexpanthenol	(1)	(1)	(1)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Residual Total	(¹)	(¹)		
293626	Vitamin B12 (Cyanocobalamin and related compounds with Vitamin B12 activity) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362600	Vitamin B12 (Cyanocobalamin and related compounds with Vitamin B12 activity) and its derivatives, unmixed, natural or synthesized		(¹)	(¹)	
	Cyanocobalamin (medicinal grade)		(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(1)	(1)	(¹)	
293627	Vitamin C (Ascorbic acid) and its derivatives, unmixed, natural or synthesized		(¹)	(¹)	
29362700	Vitamin C (Ascorbic acid) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(1)	
	Ascorbic acid		(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	Sodium ascorbate	(¹)	(1)		
	<i>Company not disclosed</i>				
	Vitamin C, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total		(¹)	(1)	
293628	Vitamin E (Tocopherols and related compounds with Vitamin E activity) and its derivatives, unmixed, natural or synthesized		14,096	452,983	32.13
29362800	Vitamin E (Tocopherols and related compounds with Vitamin E activity) and its derivatives, unmixed, natural or synthesized	(¹)	14,096	452,983	32.13
	dl-a-Tocopherol	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	d-a-Tocopherol	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div. Henkel Corp.</i>				
	d-a-Tocopheryl acetate	(1)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div. Henkel Corp.</i>				
	dl-a-Tocopheryl acetate (animal feed grade)	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	dl-a-Tocopheryl acetate (medicinal grade)	(1)	(1)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	d-o-Tocopheryl acid succinate	(1)	(1)	(1)	

See endnotes at and of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29362800 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div. Henkel Corp.</i>				
	Residual Total	(¹)	14,096	452,983	\$ 32.13
293629	Vitamins and their derivatives, nesi	(¹)	(¹)	(¹)	
29362915	Niacin and niacinamide and their derivatives.				
	unmixed	(¹)	(¹)	(¹)	
	Niacinamide (animal feed grade)	(¹)	(¹)	(¹)	
	<i>Nepera, Inc.</i>				
	Niacinamide (medicinal grade)	(¹)	1,370	10,082	7.36
	<i>Hoffmann LaRoche, Inc. Nepera, Inc. Reilly Industries, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29362950	Nonaromatic vitamins and their derivatives, nesi	(¹)	(¹)	(¹)	
	Biotin	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Lonza, Inc. Lonza, Inc.</i>				
	Cholecalciferol (vitamin D ₃)	(¹)	(¹)	(¹)	
	<i>Vitamins, Inc.</i>				
	Ergocalciferol (vitamin D ₂)	(¹)	(¹)	(¹)	
	<i>Vitamins, Inc.</i>				
	Panthenol	(¹)	(¹)	(¹)	
	<i>Hoffmann LaRoche, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293629XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
2936XX	HTS Level Residual Total	23,548	(1)	(¹)	
2937	Hormones, natural or reproduced by synthesis; derivatives thereof, used primarily as hormones; other steroids used primarily as hormones	(¹)	(¹)	(¹)	
293710	Pituitary (anterior) or similar hormones, and their derivatives	(¹)	(¹)	(¹)	
29371000	Pituitary (anterior) or similar hormones, and their derivatives	(¹)	(¹)	(¹)	
	Corticotropin		(1)	(¹)	
	<i>Organics/LaGrange, Inc.</i>				
	Danazol	(¹)	(¹)	(¹)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Humatrope	(¹)	(1)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Residual Total		(¹)	(¹)	
293721	Cortisone, hydrocortisone, prednisone (Dehydrocortisone), and prednisolone (Dehydrohydrocortisone)	(¹)	(¹)	(¹)	
29372100	Cortisone, hydrocortisone, prednisone (Dehydrocortisone), and prednisolone (Dehydrohydrocortisone)	(¹)	(¹)	(¹)	
	Cortisone acetate	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc. Upjohn Co.</i>				
	Dexamethasone	(1)	(¹)	(¹)	
	<i>Company not disclosed Schering Corp. Upjohn Co., Fine Chemicals</i>				
	Dexamethasone sodium phosphate	(¹)	(¹)	(¹)	
	<i>Company not disclosed Merck & Co., Inc.</i>				
	Fludrocortisone acetate		(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29372100 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Upjohn Co.				
	Fluorometholone	(1)	(1)	(1)	
	Company not disclosed				
	Fluprednisolone acetate	(1)	(1)	(1)	
	Upjohn Co.				
	Hydrocortisone	(1)	(1)	(1)	
	Upjohn Co.				
	Methylprednisolone	(1)	(1)	(1)	
	Upjohn Co.				
	Prednisolone	(1)	(1)	(1)	
	Upjohn Co.				
	Prednisolone acetate	(1)	(1)	(1)	
	Upjohn Co.				
	Prednisone	(1)	(1)	(1)	
	Upjohn Co.				
	Residual Total	(1)	(1)	(1)	
293722	Halogenated derivatives of adrenalcortical hormones	(1)		5 44,913	\$9566.1
29372200	Halogenated derivatives of adrenalcortical hormones			5 44,913	9566.1
	Aclomethasone		(1)	(1)	
	Schering Corp.				
	Beclomethasone	(1)	(1)	(1)	
	Schering Corp.				
	Betamethasone	(1)	(1)	(1)	
	Schering Corp.				
	Betamethasone dipropionate	(1)	(1)	(1)	
	Company not disclosed				
	Schering Corp.				
	Betamethasone sodium phosphate	(1)	(1)	(1)	
	Company not disclosed				
	Schering Corp.				
	Betamethasone valerate	(1)	(1)	(1)	
	Company not disclosed				
	Schering Corp.				
	Isoflupredone, acetate	(1)	(1)	(1)	
	Upjohn Co.				
	Triamcinolone	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Triamcinolone acetonide	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Company not disclosed				
	Triamcinolone diacetate	(1)		(1)	
	Bristol Myers Squibb Co.				
	Residual Total	(1)		5 44,913	9566.1
293722XX	HTS Level Residual Total	(1)			
293729	Adrenalcortical hormones and their derivatives, nesi	(1)	(1)	(1)	
29372900	Adrenalcortical hormones and their derivatives, nesi	(1)	(1)	(1)	
	Halcinonide		(1)	(1)	
	Bristol Myers Squibb Co.				
	Hydrocortisone acetate	(1)	(1)	(1)	
	Upjohn Co.				
	Medrysone	(1)	(1)		
	Upjohn Co.				
	Mometasone	(1)	(1)	(1)	
	Schering Corp.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29372900 —Continued					
	Residual Total	(¹)	(¹)	(¹)	
293729XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
293791	Insulin and its salts	(¹)			
29379100	Insulin and its salts	(¹)	(¹)	(¹)	
	Insulin	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293792	Estrogens and progestins	(¹)	(¹)	(¹)	
	Estradiol cypionate		(1)	(¹)	
	<i>Company not disclosed</i>				
	Estrogens, all other	(1)	(¹)	(¹)	
	<i>Organics/LaGrange, Inc.</i>				
	Estrogens, conjugated	(¹)		(¹)	
	<i>Organics/LaGrange, Inc.</i>				
	Estrogens, esterified	(¹)	(¹)	(¹)	
	<i>Organics/LaGrange, Inc.</i>				
	Medroxyprogesterone acetate	(1)		(1)	
	<i>Upjohn Co.</i>				
	Megestrol acetate	(¹)	(1)	(¹)	
	<i>Upjohn Co.</i>				
	Melengestrol acetate	(¹)	(1)	(¹)	
	<i>Upjohn Co.</i>				
	Progesterone	(¹)	(¹)		
	<i>Company not disclosed</i>				
	Residual Total	(¹)	(¹)	(¹)	
	Carboprost	(¹)	(¹)	(¹)	
	<i>Upjohn Co.</i>				
	Residual Total	(¹)	(1)	(1)	
293799	Hormones and their derivatives, nesi; steroids used primarily as hormones, nesi		(¹)	(¹)	
	Levothyroxine, sodium	(¹)	(¹)	(¹)	
	<i>Boots Pharmaceuticals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29379980	HTS Level Residual Total	(¹)	193	(¹)	
	Calcitonin	(¹)	(¹)		
	<i>Armour Pharmaceutical Co.</i>				
	Carenoate, potassium (for pharmaceutical use)	(1)	(1)		
	<i>G.D. Searle & Co.</i>				
	Chlorpropamide	(¹)	(¹)	(¹)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	Diflorasone diacetate	(¹)	(¹)	(¹)	
	<i>Upjohn Co.</i>				
	Fluoxymesterone	(1)	(1)	(1)	
	<i>Upjohn Co.</i>				
	Glucagon	(¹)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Gonadorelin, acetate		(¹)		
	<i>Abbott Laboratories</i>				
	Hydroxyprogesterone	(¹)	(¹)	(¹)	
	<i>Upjohn Co., Fine Chemicals</i>				
	Methyltestosterone	(1)	(¹)	(¹)	
	<i>Upjohn Co.</i>				
	Stanozolol	(1)	(¹)	(¹)	
	<i>Sterling Drug, Inc. IBarcelonetal</i>				
	Testosterone	(¹)	(1)	(1)	
	<i>Upjohn Co.</i>				
	Testosterone cypionate	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29379980 —Continued					
Chemical description/Manufacturer—Continued					
	Testosterone propionate	(1)	(1)	(1)	
	Upjohn Co.				
	Zeranol	(1)	(1)	(1)	
	Pittman Moore Inc., (Terre Haute, In)				
	Residual Total,	193	(1)	(1)	
2938	Glycosides, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives	(1)	(1)	(1)	
293890	Glycosides, natural or synthesized, and their salts, ethers, esters and other derivatives, other than rutoside and its derivatives	(1)	(1)	(1)	
29389000	Glycosides, natural or synthesized, and their salts, ethers, esters, and other derivatives other than rutoside and its derivatives	(1)	(1)	(1)	
	Netiimicin	(1)	(1)	(1)	
	Schering Corp.				
	Residual Total	(1)	(1)	(1)	
2939	Vegetable alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives	(1)	(1)	(1)	
293910	Alkaloids of opium and their derivatives; salts thereof	(1)	(1)	(1)	
29391020	Synthetic alkaloids of opium and their derivatives; salts thereof, nesi	(1)	(1)	(1)	
	Codeine	(1)	(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Hydrocodone bitartrate	PI	(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Oxycodone hydrochloride	(1)	(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Residual Total	(1)	(1)	(1)	
29391050	Nonsynthetic alkaloids of opium, other than papaverine, and their derivatives; salts thereof, nesi	PI	(1)	(1)	
	Morphine sulfate	(1)	(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Thebaine	(1)	(1)	(1)	
	Mallinckrodt Chemicals Inc.				
	Residual Total	(1)	(1)	(1)	
293930	Caffeine and its salts	(1)	(1)	(1)	
29393000	Caffeine and its salts	(1)	(1)	(1)	
	Caffeine, natural	2,039		(1)	
	Certified Processing Corp.				
	Maxwell House Coffee Co., Div of Kraft General Foods, Inc				
	Pfizer, Inc.				
	Procter & Gamble Co.				
	Caffeine, synthetic	(1)	(1)	(1)	
	American Bio Synthetics Corp.				
	Residual Total	(1)	(1)	(1)	
293940	Ephedrine and its salts	(1)	(1)	(1)	
29394010	Pseudoephedrine and its salts	(1)	(1)	(1)	
	Pseudoephedrine hydrochloride	(1)	(1)	(1)	
	Ganes Chemicals, Inc.				
	Pseudoephedrine sulfate	(1)	(1)	(1)	
	Ganes Chemicals, Inc.				
	Residual Total	(1)	(1)	(1)	
293950	Theophylline aminophylline (Theophylline -ethylenediamine), and their derivatives; salts thereof	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29395000	Theophylline aminophylline (Theophylline -ethylenediamine), and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	Theophylline	(¹)	(I)	(¹)	
	<i>American Bio Synthetics Corp.</i>				
	Theophylline sodium glycinat	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	Residual Total	(¹)	(¹)	(I)	
293990	Vegetable alkaloids, and their salts, ethers, esters and other derivatives, nesi	(¹)	(¹)	(¹)	
29399050	Vegetable alkaloids, reproduced by synthesis, and their salts, ethers, esters and other derivatives, nesi	(¹)	(¹)	(¹)	
	Butorphanol	(I)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	Butorphanol tartrate	(¹)	(I)	(I)	
	<i>Bristol Myers Squibb Co.</i>				
	Cocaine	(9)	(I)	(I)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	Meperidine hydrochloride	(I)	(¹)	(¹)	
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	Sitosterols	(¹)	(¹)	(9)	
	<i>Upjohn Co.</i>				
	Residual Total	(¹)	(4)	(¹)	
293990XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
2939XX	HTS Level Residual Total	1,274	(I)	(I)	
2940	Sugars, chemically pure, other than sucrose, lactose, maltose, glucose and fructose; sugar ethers and sugar esters, and their salts, other than products of heading 2937, 2938 or 2939	(¹)	(¹)	(¹)	
294000	Sugars, chemically pure, not sucrose, lactose, maltose, gkicose, fructose; ethers, esters, salts of sugars not of headings 2937, 2938, 2939	(¹)	(¹)	(¹)	
29400000	Sugars, chemically pure, not sucrose, lactose, maltose, glucose, fructose; ethers, esters, salts of sugars not of headings 2937, 2938, 2939	(¹)	(¹)	(I)	
	I-Arabinose	(¹)	(I)	(¹)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Cellulose, oxidized	(I)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	D-Galactose	(¹)	(¹)	(PI)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Mannitol	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Residual Total	(¹)	(¹)	(I)	
2941	Antibiotics	13,001	(¹)	(¹)	
294110	Penicillin and their derivatives with a penicillanic acid structure; salts thereof	(¹)	(¹)	(¹)	
29411010	Ampicillin and its salts	147	(I)	(I)	
	Ampicillin, sodium	(¹)	(I)	(I)	
	<i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>				
	Ampicillin (trihydrate)	(¹)	(¹)	(¹)	
	<i>Biocraft Laboratories, Inc.</i>				
	<i>Bristol Myers Squibb Co.</i>				
	Residual Total	147	(I)	(¹)	
29411020	Penicillin G salts	(¹)	(¹)	(¹)	
	Penicillin G, benzathine	(¹)	(I)	(I)	
	<i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29411020 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Penicillin G, procaine (medicinal grade) <i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>	(I	(¹)	(¹)	
	Residual Total	PI	(¹)	(¹)	
29411030	Carfecillin, sodium; cloxacillin, sodium; dicloxacillin, sodium; flucloxacillin (Floxacillin); and oxacillin, sodium	(¹)	(1)	(1)	
	Cloxacillin, sodium <i>Biocraft Laboratories, Inc.</i>	(¹)	(¹)	1 ¹	
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Dicloxacillin, sodium <i>Biocraft Laboratories, Inc.</i>	(¹)	(¹)	(¹)	
	Oxacillin, sodium <i>Biocraft Laboratories, Inc.</i>	(1)	(¹)	(¹)	
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Residual Total	(¹)	(¹)	(¹)	
29411050	Penicillins and their derivatives near, with a penicillanic acid structure; salts thereof	(¹)	PI	(¹)	
	Amoxicillin (anhydrous) <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)	(¹)	
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Amoxicillin (trihydrate) <i>Biocraft Laboratories, Inc.</i>	(¹)	(1)	(1)	
	Penicillin V, potassium <i>Bristol Myers Squibb Co.</i>	(¹)	(1)	(¹)	
	Piperacillin <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)	(¹)	
	Semisynthetic penicillins, all other <i>Smithkline Beecham Pharmaceuticals</i>	(¹)	(¹)	(¹)	
	Ticarcillin, disodium <i>Smithkline Beecham Pharmaceuticals</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(9	(I	
294120	Streptomycins and their derivatives; salts thereof	1,313	813	91,279	5112.28
29412000	Streptomycins and their derivatives; salts thereof	1,313	813	91,279	112.28
	Apramycin <i>Pfizer Pharmaceuticals, Inc.</i>	(¹)	1 ¹	(¹)	
	Cycloserine <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	Narasin <i>Eli Lilly & Co.</i>	(¹)	(1)	(1)	
	Nystatin (medicinal grade) <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)	(¹)	
	Spectinomycin (medicinal grade) <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	<i>Upjohn Co.</i>				
	Streptomycin <i>Pfizer, Inc.</i>	1 ¹	(1)	(1)	
	<i>Upjohn Co.</i>				
	Streptozocin <i>Pfanstiehl Laboratories, Inc.</i>	(I)	(¹)	(¹)	
	<i>Upjohn Co.</i>				
	Thiostrepton <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Tobramyctn <i>Eli Lilly Industries, Inc.,</i>	(1)	(¹)	(¹)	
	Tylosin <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	Vancomycin <i>Abbott Laboratories</i>	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29412000 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>Eli Lilly & Co.</i>				
	<i>Eli Lilly Industries, Inc.,</i>				
	Residual Total	1,313	813	91,279	\$112.28
294130	Tetracyclines and their derivatives; salts thereof	(¹)	(¹)	(¹)	
29413000	Tetracyclines and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	Chlortetracycline (animal feed grade)		(¹)		
	<i>Pfizer, Inc.</i>				
	Oxytetracycline (animal feed grade)	(¹)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
294150	Erythromycin and their derivatives; salts thereof	(¹)	(¹)	(¹)	
29415000	Erythromycin and their derivatives; salts thereof	(¹)	(¹)	(¹)	
	Clarithromycin	(¹)		(¹)	
	<i>Abbott Laboratories</i>				
	Erythromycin	(1)		(1)	
	<i>Abbott Laboratories</i>				
	<i>Upjohn Co.</i>				
	Erythromycin stearate	(1)	(¹)	(¹)	
	<i>Upjohn Co.</i>				
	Residual Total	(¹)	(1)	(1)	
294190	Antibiotics, nesi	1,316	(¹)	(¹)	
29419010	Natural antibiotics, nesi	1,209	533	228,762	429.01
	Amphotericin B	(¹)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Antibiotics, for medicinal use, all other	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	<i>Bristol Myers Squibb Co.</i>				
	<i>Merck & Co., Inc.</i>				
	Cefaclor			(1)	
	<i>Eli Lilly & Co.</i>				
	Cefamandole	(¹)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Cefazolin, sodium	(¹)		(¹)	
	<i>Eli Lilly & Co.</i>				
	Cefoxitin	(1)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Ceftazidime	(1)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Cephalexin	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Eli Lilly & Co.</i>				
	<i>Eli Lilly Industries, Inc.,</i>				
	Cephalothin, sodium	(¹)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Cephradine	(¹)		(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	Cyclosporine	(1)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	Gentamycin	(¹)	(1)	(¹)	
	<i>Schering Corp.</i>				
	Lincomycin (animal feed grade)	(¹)	(¹)		
	<i>Upjohn Co.</i>				
	Lincomycin (medicinal grade)	(¹)	(¹)	(1)	
	<i>Abbott Laboratories</i>				
	<i>Upjohn Co.</i>				
	Neomycin (animal feed grade)		(¹)	(¹)	
	<i>Pfizer, Inc.</i>				
	<i>Upjohn Co.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29419010 — Continued					
<i>Chemical description/Manufacturer— Continued</i>					
	Neomycin (medicinal grade) <i>Upjohn Co.</i>		(1)	1)	
	Polymyxin B <i>Pfizer, Inc.</i>	(1)	(1)	(1)	
	Sisomycin <i>Schering Corp.</i>	(1)	(1)	(1)	
	Residual Total	1,209	533	228,762	\$429.01
29419030	Antibiotics, nesi, aromatic or modified aromatic, other than natural		(1)	(1)	
	Ceftiofur <i>Upjohn Co.</i>	(1)	(1)	(1)	
	Cefuroxime <i>Eli Lilly & Co.</i>	(1)	(1)		
	Cefuroxime sodium <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)			
29419050	Antibiotics nesi, other than aromatic or modified aromatic antibiotics	(1)	(1)	1)	
	Aztreonam <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Clindamycin <i>Abbott Laboratories</i> <i>Upjohn Co.</i>	(1)	(1)	(1)	
	Dirithromycin <i>Eli Lilly Industries, Inc.,</i>	(1)	(1)	(1)	
	Hetacillin <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Kanamycin <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
294190XX	HTS Level Residual Total	107		1)	
2941XX	HTS Level Residual Total	10,372	4,051	123,742	30.55
2942	Other organic compounds	(1)	(1)	(1)	
294200	Organic compounds, nesi	(1)	(1)	(1)	
29420005	Aromatic or modified aromatic drugs of other organic compounds, nesi		(1)	(1)	
	Cardiovascular agents, all other <i>Company not disclosed</i> <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	Leuprolide acetate <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29420010	Aromatic or modified aromatic organic compounds, nesi, described in additional U.S. note 3 of section VI	14,301	11,833	35,008	2.96
	Cyclic chemicals, all other	14,301	11,833	35,008	2.96
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Akcros Chemicals America</i>				
	<i>Akzo Chemicals, Inc.</i>				
	<i>Alliance Chemical, Inc.</i>				
	<i>Arizona Chemical Co.</i>				
	<i>Arsynco, Inc., Sub. of Aceto Corp.</i>				
	<i>Bristol Myers Squibb Co.</i>				
	<i>C.N. C. International</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				

See endnotss at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29420010 —Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Deep water Iodides, Inc.				
	Dexter Corp., Dexter Electronic Materials Div.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Elf Atochem North America, Inc.				
	Ethyl Corp.				
	Fragrance Resources, Inc.				
	High Point Chemical Corp.				
	ISP Chemicals, Inc.				
	Lonza, Inc.				
	Milliken & Co., Milliken Chemical Div.				
	Parish Chemical Co.				
	Pierce Chemical Co.				
	00 Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	SCM Glidco Organics Corp.				
	Salsbury Chemicals, Inc.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Shepherd Chemical Co.				
	SpecialtyChem Products Corp.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Upjohn Co.				
	Zeeland Chemical, Inc.				
29420020	Aromatic or modified aromatic organic compounds, nesi	(¹)	(¹)	(¹)	
	Aldadiene	(1)	(1)	(¹)	
	G.D. Searle & Co.			(¹)	
	1-Amino-9,10-dihydro-9,10-dioxo-4-p-toluenesulfonamido-2-anthracenesulfonic acid, sodium salt	(¹)		(1)	
	Miles, Inc., Dyes & Pigments Div.				
	N-(4-Amino-3-methoxy-1-anthraquinonyl)-p-toluenesulfonamide	(¹)	(¹)	(¹)	
	Miles, Inc., Dyes & Pigments Div.				
	N-Carboxy-N-methylantranilic anhydride	(1)	(1)	(1)	
	Company not disclosed				
	N ¹ -(6-Chloro-3-pyridazinyl)sulfanilamide	(¹)	(¹)	(1)	
	Olin Corp.				
	5-Ethanoxy-3-trichloromethyl-1,2,4-thiadiazole	(¹)	(¹)	(¹)	
	Olin Corp.				
	Ethisterone		(¹)	(¹)	
	G.D. Searle & Co.				
	Upjohn Co.				
	2-Hydroxymethylene-17a-ethinylandrost-17p-o1-4-en-3-one	(¹)	(¹)	(¹)	
	Sterling Drug, Inc. Warcelonetal				
	Nafcillin, sodium	(¹)	(¹)	(¹)	
	Smithkline Beecham Pharmaceuticals				
	Wyeth Laboratories, Inc., Wyeth Laboratories Div.				
	Noyobiocin, sodium		(¹)	(1)	
	Upjohn Co.				
	Tris(2-methyl-1-aziridinyphosphine oxide	(1)	(¹)	(¹)	
	Arsynco, Inc., Sub. of Aceto Corp.				
	Residual Total	(¹)	(¹)	(¹)	
29420050	Nonaromatic organic compounds, nest	67,186	(1)	(¹)	

See ondnates at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29420050 — Continued</i>					
	7-Aminocephalosporanic acid				
	Bristol Myers Squibb Co.		(1)	(1)	
	Calcium polycarbophil				
	B.I. Chemicals, Inc.				
	Hickson Danchem Corp.				
	Colestipol hydrochloride	(1)	(1)	11)	
	Upjohn Co.				
	Cyclic intermediates, all other	49,424	14,316	136,441	\$ 9.53
	BASF Corp, (Parsippany, NJ)				
	Bristol Myers Squibb Co.				
	Cape Industries				
	Ciba Geigy Corp.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Courtaulds Aerospace, Inc.				
	Cytec Industries				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Ethyl Corp.				
	Fairmount Chemical Co., Inc.				
	Great Lakes Chemical Corp.				
	Henkel Corp.				
	Hickson Danchem Corp.				
	High Point Chemical Corp.				
	Hilton Davis Chemical Co.				
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Huls America, Inc.				
	Lonza, Inc.				
	Lonza, Inc.				
	Lord Corp., Chemical Products Div.				
	Miles, Inc., Dyes & Pigments Div.				
	Morflex, Inc.				
	Olin Corp.				
	PMC Inc., PMC Specialities Group, Inc.				
	Parish Chemical Co.				
	Parke Davis Div. of Warner Lambert, Inc.				
	Pfister Chemical, Inc.				
	Pfizer Pharmaceuticals, Inc.				
	Pfizer, Inc.				
	Phillips 66 Co.				
	Pilot Chemical Co.				
	Poly Organix, Inc.				
	RSA Corp.				
	Reilly Industries, Inc.				
	Rohm & Haas Co.				
	Salsbury Chemicals, Inc.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Sloss Industries Corp.				
	Sterling Drug, Inc. (Barceloneta)				
	Sterling Drug, Inc., Sterling Organics Div.				
	Teledyne Ryan Aeronautical McCormick Selph Ordnance Prod.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Upjohn Co., Fine Chemicals				
	Warner Jenkinson Co.				
	Zeeland Chemical, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29420050 —Continued					
Chemical description/Manufacturer—Continued					
	Cyclohexanesulfamic acid, calcium salt (Calcium cyclamate) <i>Abbott Laboratories</i>	(¹)	(¹)	(¹)	
	Cyclohexanesulfamic acid (Cyclamic acid) <i>Abbott Laboratories</i>	(¹)	(¹)	(¹)	
	Cyclohexanesulfamic acid, sodium salt (Sodium cyclamate) <i>Abbott Laboratories</i>	(¹)	(¹)	(¹)	
	Ethylene glycol dimercaptoacetate <i>Hampshire Chemical Corp., Evans Chemetics</i>	(1)		(¹)	
	Hygromycin B <i>Eli Lilly & Co.</i>	(¹)	(¹)		
	Medicinal chemicals, all other <i>Abbott Laboratories</i> <i>Beckman Instruments, Inc.</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Miscellaneous acyclic chemicals, all other <i>Akzo Chemicals, Inc.</i> <i>CPS Chemical Co., Inc.</i> <i>Cargill, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Cytec Industries</i> <i>Deep water Iodides, Inc.</i> <i>Dynachem, Inc.</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Elf Atochem North America, Inc.</i> <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Fairmount Chemical Co., Inc.</i> <i>Fragrance Resources, Inc.</i> <i>Henkel Corp.</i> <i>Hickson Danchem Corp.</i> <i>High Point Chemical Corp.</i> <i>Lonza, Inc.</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>Parish Chemical Co.</i> <i>Pierce Chemical Co.</i> <i>Quaker Chemical Corp.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i> <i>SpecialtyChem Products Corp.</i> <i>Sybron Chemicals, Inc.</i> <i>Union Camp Corp., BBA Div.</i> <i>Uniroyal Chemical Co., Inc.</i> <i>Vanchem, Inc.</i> <i>WestPoint Stevens, Inc., Grifftex Chemicals</i>	10,370	10,652	31,036	\$ 2.91
	Oxidized Fischer-Tropsch wax <i>Sequa Chemicals, Inc.</i>	(¹)	(¹)		
	Oxo process bottoms <i>Chemical Exchange Industries, Inc.</i>	(1)	(¹)	(¹)	
	Povidone - iodine <i>ISP Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Tubocurarine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29420050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Abbott Laboratories</i>					
	Residual Total	7,392	(¹)		
29XX	HTS Level Residual Total	(1)	11,016	44,732	\$ 4.06
30	Pharmaceutical products	(1)	(1)	(¹)	
3001	Glands and other organs for organotherapeutic uses, dried, whether or not powdered; extracts of glands or other organs or of their secretions for organotherapeutic uses; heparin and its salts; other human or animal substances prepared for therapeutic or prophylactic uses, not elsewhere specified or included	(¹)	(¹)	(¹)	
300110	Glands and other organs for organotherapeutic uses, dried, whether or not powdered	(¹)	(¹)	(¹)	
30011000	Glands and other organs for organotherapeutic uses, dried, whether or not powdered	(¹)	(¹)	(¹)	
	Thyroid			(¹)	
<i>Armour Pharmaceutical Co.</i>					
	Residual Total	(¹)		(¹)	
300120	Extracts of glands or other organs or of their secretions for organotherapeutic uses	(¹)	(¹)	(¹)	
30012000	Extracts of glands or other organs or of their secretions for organotherapeutic uses	(¹)	(¹)	(¹)	
	Alprostadil	(¹)	(¹)	(¹)	
<i>Company not disclosed</i>					
	Dinoprostone	(¹)	(9)	(¹)	
	Upjohn Co.				
	Thyroglobulin	(¹)	(1)	(1)	
	Zeeland Chemical, Inc.				
	Residual Total	(9)	(1)	(1)	
300190	Heparin and its salts; other human or animal substances prepared for therapeutic or prophylactic uses, nesi	(¹)	(¹)		
30019000	Heparin and it's salts; other human or animal substances prepared for therapeutic or prophylactic uses, nesi		(¹)	(¹)	
	Albumin	(¹)	(¹)	(¹)	
<i>Scientific Protein Laboratories</i>					
	Benzalkonium heparin		(1)	(1)	
<i>Minnesota Mining & Manufacturing Co.</i>					
	Lithium heparin	(11)		(1)	
<i>Scientific Protein Laboratories</i>					
	Sodium heparin	(¹)		(¹)	
<i>Scientific Protein Laboratories</i>					
	Residual Total	(¹)	(1)	(1)	
3003	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packings for retail sale	(¹)	(¹)	(¹)	
300390	Medicaments nesi, not in dosage form or packed for retail sale	(¹)	(¹)	(¹)	
30039000	Medicaments nesi, not dosage form and not packed for retail	(¹)	(¹)	(¹)	
	Dimenhydrinate	(¹)		(¹)	
<i>Ganes Chemicals, Inc.</i>					
	Gold sodium thiomalate	(¹)	(¹)	(¹)	
<i>Johnson Matthey, Inc.</i>					
	Iron dextran			(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
FITS No. 30039000 —Continued					
Chemical description/Manufacturer—Continued					
<i>Abbott Laboratories</i>					
	Residual Total	(1)	(1)	(1)	
3004	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packings for retail sale	(1)	(1)	(1)	
300490	Certain medicaments put up in measured doses or in forms or packings for retail sale, nesi	PI	(1)	(1)	
	Aminobenzoic acid	(1)	(1)	(1)	
<i>Wyckoff Chemical Co., Inc.</i>					
	Residual Total	(1)	(1)	(1)	
3006	Pharmaceutical products specified in note 3 to this chapter	(1)	(1)	(1)	
300630	Opacifying preparations for X-ray examinations; diagnostic reagents designed to be administered to the patient	(1)	(1)	(1)	
30063050	Opacifying preparations for X-ray examinations; diagnostic reagents designed to be administered to the patient, nesi	(1)	(1)	(1)	
	Diagnostic agents, other than roentgenographic contrast media, all other	(1)	(1)	(1)	
<i>Pfizer, Inc.</i>					
	Residual Total	(1)	(1)	(1)	
30XX	HTS Level Residual Total	(1)	(1)	(1)	
31	Fertilizers	8,215,131	4,388,244	711,517	\$ 0.16
3102	Mineral or chemical fertilizers, nitrogenous	(1)	(1)	(1)	
310210	Wee, whether or not in aqueous solution	(1)	(1)	(1)	
31021000	Urea, whether or not in aqueous solution	In	(1)	(1)	
	Urea in feed compounds (100% Basis)	233,788	207,829	35,405	0.17
<i>BP Chemicals, Inc.</i>					
<i>Coastal Chem, Inc.</i>					
<i>Cominco Fertilizers, Inc.</i>					
<i>Terra International, Inc.</i>					
<i>Terra International, Inc.</i>					
<i>Triad Chemical</i>					
<i>Wil Gro Fertilizer, Inc.</i>					
	Urea in liquid fertilizer (100% Basis)	926,690	870,982	123,502	0.14
<i>Air Products & Chemicals, Inc.</i>					
<i>Arcadian Corp.</i>					
<i>BP Chemicals, Inc.</i>					
<i>CF Industries, Inc.</i>					
<i>Chevron Corp., Chevron Chemical Co.</i>					
<i>Farmland Industries, Inc.</i>					
<i>J.R. Simplot</i>					
<i>Mississippi Chemical Corp.</i>					
<i>Terra International, Inc.</i>					
<i>Terra International, Inc.</i>					
	Urea in plastics (100% Basis)	(1)	(1)	(1)	
<i>BP Chemicals, Inc.</i>					
<i>Borden Chemical & Plastics Delaware, L.P.</i>					
<i>Triad Chemical</i>					
	Urea in solid fertilizer (100% Basis)	2,855,200	2,412,035	399,777	0.17
<i>Arcadian Corp.</i>					
<i>BP Chemicals, Inc.</i>					
<i>Borden Chemical & Plastics Delaware, L.P.</i>					
<i>CF Industries, Inc.</i>					

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 31021000 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Cominco Fertilizers, Inc.</i>				
	<i>Farmland Industries, Inc.</i>				
	<i>Freeport McMoran Resource Partners, LP.</i>				
	<i>Terra International, Inc.</i>				
	<i>Triad Chemical</i>				
	<i>UNOCAL Corp.</i>				
	Urea, primary solution (Report on 100% urea-content basis)	4,030,950	(¹)	(¹)	\$
	<i>Arcadian Corp.</i>				
	<i>BP Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware, L.P.</i>				
	<i>CF Industries, Inc.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Cominco Fertilizers, Inc.</i>				
	<i>Farmland Industries, Inc.</i>				
	<i>Freeport McMoran Resource Partners, LP.</i>				
	<i>J.R. Simplot</i>				
	<i>Mississippi Chemical Corp.</i>				
	<i>Terra International, Inc.</i>				
	<i>Terra International, Inc.</i>				
	<i>Triad Chemical</i>				
	<i>UNOCAL Corp.</i>				
	<i>Wil Gro Fertilizer, Inc.</i>				
	Residual Total	(¹)	(¹)		
32	Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other coloring matter; paints and varnishes; putty and other mastics; inks	(¹)	(¹)	(¹)	
3202	Synthetic organic tanning substances; inorganic tanning substances; tanning preparations, whether or not containing natural tanning substances; enzymatic preparations for pre-tanning	(¹)	(¹)	(¹)	
320210	Synthetic organic tanning substances	(1)	(¹)	(¹)	
32021010	Aromatic or modified aromatic synthetic organic tanning substances	(¹)	(¹)	(¹)	
	Tannic acid, N.F.	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Chemicals Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
3204	Synthetic organic coloring matter, whether or not chemically defined; preparations based on synthetic organic coloring matter as specified in note 3 to this chapter; synthetic organic products of a kind used as fluorescent brightening agents or as luminophores, whether or not chemically defined	221,424	191,862	1,811,490	9.44
320411	Disperse dyes and preparations based thereon	(¹)	(¹)	(¹)	
32041110	Disperse blue 19 and other specified dispersed dyes and preparations based thereon			(1)	
	Disperse Blue 73	(1)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 79	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041110 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Disperse Blue 148 BASF Corp, (Parsippany, NJ)	(¹)		(¹)	
	Disperse Green 9 ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(¹)	I ¹)	
	Disperse Red 73 Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant)	(¹)	(¹)	(¹)	
	Disperse Red 278 ICI Americas, Inc., Specialty Chemicals Div.	(¹)	(¹)	(¹)	
	Disperse Violet 33 ICI Americas, Inc., Specialty Chemicals Div. Sandoz Chemicals Corp. (Martin Plant)		I ¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
32041120	Disperse dyes nest, and preparations based thereon described in additional U.S. note 3 to section VI	7,620	5,665	66,259	\$ 11.70
	Disperse Black 9 Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div. Fabricolor Manufacturing Corp.	(¹)	(1)	(1)	
	Disperse Blue 1 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Disperse Blue 3 Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div. Fabricolor Manufacturing Corp.	(¹)		(¹)	
	Disperse Blue 14 Crompton & Knowles Corp.	(¹)			
	Disperse Blue 27 Eastman Kodak Co., Tennessee Eastman Co. Div.	(¹)	(¹)	(1)	
	Disperse Blue 60 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Disperse Blue 62 Eastman Kodak Co., Tennessee Eastman Co. Div.	(¹)	(¹)	(¹)	
	Disperse Blue 64 Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(¹)	(¹)	
	Disperse Blue 102 Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)		
	Disperse Blue 118 Eastman Kodak Co., Tennessee Eastman Co. Div.			(¹)	
	Disperse Blue 359 Crompton & Know/es Corp.	(1)	(¹)	(¹)	
	Disperse Brown 1 Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant) Synalloy Corp., Blackman Uhler Chemical Div.	241	244	2,358	9.67
	Disperse Brown 26 Crompton & Knowles Corp.	(1)		(1)	
	Disperse Orange 3 Crompton & Know/es Corp.	(1)	(1)	(1)	
	Disperse Orange 25 and 25:1 Crompton & Knowles Corp.		(¹)	(¹)	
	Disperse Orange 29 Crompton & Knowles Corp.		(¹)	(¹)	
	Disperse Orange 30 Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly)	826	699	4,847	6.93

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041120 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	Disperse Orange 37	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Orange 41		(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Orange 44 and 44:1	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Orange 89	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 1	(¹)	(1)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 4	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 13	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 17			(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 22	(¹)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Disperse Red 30	(¹)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 50	(¹)	(¹)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 55	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Disperse Red 60	(1)	(1)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Disperse Red 65	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 86	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 88	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 91	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Disperse Red 117	(¹)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 135	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 136	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 137	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 145	(1)		(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 159	(1)	(¹)		
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Disperse Red 167 and 167:1	233	363	2,240	\$ 6.18
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 177	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041120 —Continued</i>					
<i>Chemical description/Manufacturer--Continued</i>					
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 179	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Violet 1	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Violet 17	(1)	(1)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Yellow 3	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Yellow 23	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Yellow 34	(¹)	(¹)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Yellow 54	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Disperse Yellow 64	(1)		(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Disperse Yellow 77	(¹)	(¹)	(¹)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Disperse Yellow 86	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Yellow 88	(¹)	(¹)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Yellow 108		(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Yellow 114	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Disperse Yellow 238	(¹)	(1)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Yellow 239	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	6,321	4,359	56,814	\$ 13.03
32041150	Disperse dyes and preparations based thereon, nesi	4,340	4,414	28,445	6.44
	Disperse black dyes, all other	(¹)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Disperse Blue 175	(¹)	(1)	(1)	
	<i>Crompton & Know/es Corp.</i>				
	Disperse Blue 281	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 291	(¹)	(¹)		
	<i>Crompton & Know/es Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 333	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Disperse Blue 337	(¹)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse blue dyes, all other	(¹)	366	2,985	8.17
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	Disperse Brown 18	(¹)		(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Brown 22	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

FITS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041150 — Continued</i>					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Orange 73	(¹)	(¹)	(¹)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	Disperse Orange 138		(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Orange 153	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 74	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 153	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 263	(¹)	(¹)	(¹)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Disperse Red 273	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 274	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 305	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 307	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 311	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Disperse Red 325	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 333	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 338	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 339	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 340	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 345	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse red dyes, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Disperse Violet 36	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Violet 60	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse violet dyes, all other	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse yellow dyes, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Residual Total	4,340	4,048	25,459	\$ 6.29
320411XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
320412	Acid dyes, whether or not premetallized, and preparations based thereon; mordant dyes and preparations based thereon	(¹)	(¹)	(¹)	
32041210	Acid black 31 and other specified acid and mordant dyes and preparations based thereon	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041210 —Continued					
	Acid Brown 188 <i>Crompton & Knowles Corp.</i>	(¹)	(²)	(³)	
	Acid Brown 189 <i>Crompton & Knowles Corp.</i>	(¹)	(²)	(³)	
	Residual Total	(¹)	(²)	(³)	
32041220	Acid black 61 and other specified acid and mordant dyes and preparations based thereon	(¹)	(²)	(³)	
	Acid Black 63 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Black 194 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid black dyes, all other <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Blue 193 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Brown 50 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Brown 147 <i>Crompton & Knowles Corp.</i>	(¹)	(²)	(³)	
	Acid Brown 159 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Brown 160 <i>BASF Corp, (Parsippany, NJ)</i>			(³)	
	Acid Brown 161 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(²)	(³)	
	Acid Brown 165 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)		(³)	
	Acid Brown 239 <i>Crompton & Knowles Corp.</i>	(¹)	(²)		
	Acid Orange 89 <i>BASF Corp, (Parsippany, NJ)</i>		(²)	(³)	
	Acid Red 226 <i>BASF Corp, (Parsippany, NJ)</i>		(²)		
	Acid Red 227 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)		(³)	
	Acid Yellow 127 <i>Crompton & Knowles Corp.</i>	(¹)	(²)		
	Acid Yellow 135 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)		(³)	
	Acid yellow 137 <i>Crompton & Knowles Corp.</i>	(¹)	(²)	(³)	
	Acid Yellow 199 <i>Crompton & Knowles Corp.</i>	(¹)			
	Residual Total		(²)		
32041240	Synthetic acid and mordant dyes and preparations based thereon, described in additional U.S. note 3 to section VI				
	Acid Black 1 <i>Crompton & Knowles Corp.</i>	4,453	4,331 (¹)	49,829	\$ 11.51
	Acid Black 2 <i>C Lever Co., Inc.</i> <i>Crompton & Knowles Corp.</i>	(¹)		(³)	
	Acid Black 52 <i>Crompton & Knowles Corp.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(¹)		(³)	
	Acid Black 60 <i>Crompton & Knowles Corp.</i>	(¹)	(²)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 —Continued					
Chemical description/Manufacturer—Continued					
	Acid Black 92 <i>Fabricolor Manufacturing Corp.</i>	(¹)	(¹)	(¹)	
	Acid Black 107 <i>Crompton & Know/es Corp.</i>	(1)	(¹)	(1)	
	Acid Black 172 <i>Crompton & Know/es Corp.</i>	(1)	(1)	(¹)	
	Acid Black 210 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Acid Blue 9 <i>BASF Corp, (Parsippany, NJ)</i> <i>Hilton Davis Chemical Co.</i> <i>Warner Jenkinson Co.</i>	(¹)	(¹)		
	Acid Blue 15 <i>BASF Corp, (Parsippany, NJ)</i>	(1)	(1)	(1)	
	Acid Blue 25 <i>Miles, Inc., Dyes & Pigments Div.</i>	(¹)	(¹)	(¹)	
	Acid Blue 40 <i>Crompton & Know/es Corp.</i>	(¹)	(¹)	(¹)	
	Acid Blue 41 <i>Crompton & Know/es Corp.</i>	(¹)	(¹)	(1)	
	Acid Blue 62 <i>Crompton & Know/es Corp.</i>	(1)	(¹)	(¹)	
	Acid Blue 90 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	Acid Blue 92 <i>Fabricolor Manufacturing Corp.</i>		(1)	(1)	
	Acid Blue 113 <i>Crompton & Know/es Corp.</i>	(¹)	(¹)	(¹)	
	Acid Blue 145 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Acid Blue 231 <i>Crompton & Know/es Corp.</i>	(1)	(¹)	(¹)	
	Acid Blue 298 <i>Crompton & Know/es Corp.</i>	(¹)	(1)	(1)	
	Acid Brown 14 <i>Crompton & Know/es Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(¹)	(1)	(1)	
	Acid Brown 19 <i>Crompton & Know/es Corp.</i>	(¹)	(¹)	(¹)	
	Acid Brown 96 <i>Fabricolor Manufacturing Corp.</i>	(¹)	(1)	(1)	
	Acid Brown 97 <i>BASF Corp, (Parsippany, NJ)</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Acid Brown 98 <i>Fabricolor Manufacturing Corp.</i>	(¹)	(¹)	(¹)	
	Acid Brown 439 <i>Crompton & Know/es Corp.</i>	(1)	(1)	(1)	
	Acid Green 1 <i>C Lever Co., Inc.</i>	(1)	(1)	(1)	
	Acid Green 16 <i>C Lever Co., Inc.</i>	(¹)	(1)	(1)	
	Acid Green 20 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Acid Green 25 <i>Crompton & Know/es Corp.</i>	(1)	(¹)	(¹)	
	Acid Orange 7 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 8	(1)	(1)	(1)	
	BASF Corp. , (Parsippany, NJ)				
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 10	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 24	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Orange 60	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 64	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 116	(1)	(1)		
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 128	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 152	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 156	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 4		(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Red 14	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 73	(1)	(1)	(1)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Acid Red 87	(1)	(1)	(1)	
	<i>Hilton Davis Chemical Co.</i>				
	Acid Red 182	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Acid Red 266	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Red 296		(1)	(1)	
	BASF Corp. , (Parsippany, NJ)				
	Acid Red 337	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Acid Red 384	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 388	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Violet 7	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Violet 12		(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Violet 17	(1)	(1)	(1)	
	<i>Hilton Davis Chemical Co.</i>				
	Acid Violet 49	(1)		(1)	
	<i>Hilton Davis Chemical Co.</i>				
	Acid Yellow 17	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	Acid Yellow 19	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 23		100	80	1,035 \$ 12.98

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp, (Parsippany, NJ)				
	C Lever Co., Inc.				
	Hilton Davis Chemical Co.				
	Warner Jenkinson Co.				
	Acid Yellow 34	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Yellow 42	(1)	(1)	(1)	
	Fabricolor Manufacturing Corp.				
	Acid Yellow 49	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Yellow 59	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Acid Yellow 65	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Yellow 73	(1)	(1)	(1)	
	Hilton Davis Chemical Co.				
	Acid Yellow 151	(1)	(1)		
	Crompton & Knowles Corp.				
	Acid Yellow 159	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Yellow 200	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Yellow 216	(1)	(1)	(1)	
	Miles, Inc., Dyes & Pigments Div.				
	Acid Yellow 219	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Residual Total	4,353	4,251	48,793	\$ 11.48
32041250	Synthetic acid and mordant dyes and preparations based thereon, nesi			(1)	
	Acid Blue 281	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Blue 324	794	725	15,271	21.07
	Crompton & Knowles Corp.				
	Miles, Inc., Dyes & Pigments Div.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Acid blue dyes, all other	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Warner Jenkinson Co.				
	Acid Brown 264		(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Acid brown dyes, all other	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Acid green dyes, all other		(1)	(1)	
	Crompton & Knowles Corp.				
	Warner Jenkinson Co.				
	Acid orange dyes, all other	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Acid Red 400	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Red 410	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Red 418	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Red 419	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid red dyes, all other	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
<i>HTS No. 32041250 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 5	(1)	(1)		
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Acid Yellow 239	(1)	(1)	(1)	
	<i>Day Glo Color Corp.</i>				
	Acid yellow dyes, all other	(1)		(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	(1)	(1)	(1)	
320413	Basic dyes and preparations based thereon	(1)	(1)	(1)	
32041310	Basic black 7 and other specified basic dyes and preparations based thereon	(1)	(1)	(1)	
	Basic Blue 41	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Red 29	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Red 46	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	(1)	(1)	(1)	
32041325	Basic blue 3; basic red 14; and basic yellow 1, 11, 13; and preparations based thereon	(1)	(1)	(1)	
	Basic Blue 3	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	Basic Red 14	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Basic Yellow 11	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	(1)		(1)	
32041330	Basic dyes nesi, and preparations based thereon, described in additional U.S. note 3 to section VI	2,575	2,600	28,885	\$ 11.11
	Basic Blue 1	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Blue 7	(1)	(1)	(1)	
	<i>Dye Specialties, Inc.</i>				
	Basic Blue 12	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Basic Blue 21	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Blue 60	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Blue 77	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Blue 94 and 94:1	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Blue 152	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Brown 1	(1)	(1)	(1)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Basic Brown 4	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Basic Green 4	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Basic Orange 1	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	Basic Orange 2	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041330 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp, (Parsippany, NJ) Crompton & Knowles Corp. Passaic Color & Chemical Co., Division of Royce Assoc.				
	Basic Orange 21 Crompton & Knowles Corp. Miles, Inc., Dyes & Pigments Div.	(¹)	(¹)	(¹)	
	Basic Red 11 Sandoz Chemicals Corp. (Martin Plant)		(¹)	(¹)	
	Basic Red 12 Crompton & Know/es Corp. Miles, Inc., Dyes & Pigments Div.	(1)	(¹)	(1)	
	Basic Red 15 BASF Corp, (Parsippany, NJ) Crompton & Know/es Corp.	(¹)	(¹)	(¹)	
	Basic Red 17 Crompton & Knowles Corp.		(1)	(1)	
	Basic Red 49 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Basic Red 73 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Basic Violet 1 BASF Corp, (Parsippany, NJ) Dye Specialties, Inc.	(¹)	(¹)	(¹)	
	Basic Violet 3 BASF Corp, (Parsippany, NJ) Crompton & Knowles Corp. Dye Specialties, Inc.	459	369	2,706	\$ 7.34
	Basic Violet 4 BASF Corp, (Parsippany, NJ) Dye Specialties, Inc.	(¹)		(¹)	
	Basic Violet 10 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Basic violet 11 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	VI	
	Basic Violet 16 Crompton & Knowles Corp. Miles, Inc., Dyes & Pigments Div.	(¹)		(¹)	
	Basic Violet 35 BASF Corp, (Parsippany, NJ)	(¹)		(¹)	
	Basic Yellow 15 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Basic Yellow 28 BASF Corp, (Parsippany, NJ) Miles, Inc., Dyes & Pigments Div.	(t)		(¹)	
	Basic Yellow 29 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Basic Yellow 40 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Basic Yellow 51 BASF Corp, (Parsippany, NJ)	(¹)	(1)	(1)	
	Basic Yellow 58 Miles, Inc., Dyes & Pigments Div.	(¹)	(¹)	(¹)	
	Basic Yellow 78 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Basic Yellow 79 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Basic Yellow 83 Crompton & Know/es Corp.	(¹)		(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041330 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Basic Yellow 94	(1)	(1)		
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Residual Total	2,116	2,231	26,030	\$ 11.66
32041350	Basic dyes and preparations based thereon, nest	(1)	(1)	(1)	
	Basic black dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic Blue 140		(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Basic Blue 162	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic blue dyes, all other		(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Hilton Davis Chemical Co.</i>				
	Basic brown dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic Red 104	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic red dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic violet dyes, all other	(1)		(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic Yellow 96	(1)	(1)	(1)	
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Basic yellow dyes, all other	(1)	(1)		
	<i>Alliance Chemical, Inc.</i>				
	<i>BASF Corp. (Parsippany, NJ)</i>				
	Residual Total	(1)	(1)	(1)	
320414	Direct dyes and preparations based thereon	(1)	(1)	(1)	
32041410	Direct black 62 and other specified basic dyes and preparations based thereon	(1)	(1)	(1)	
	Direct Black 91	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 108	(1)	(1)		
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 160	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	(1)	(1)	(1)	
32041420	Direct black 51 and other specified basic dyes and preparations based thereon	(1)	(1)	(1)	
	Direct Orange 118		(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Red 9	(1)	(1)	(1)	
	<i>Crompton & Know/es Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Yellow 133	(1)		(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Residual Total		(1)	(1)	
32041425	Direct blue 86; direct red 83; direct yellow 28 dyes; and preparations based thereon	(1)	(1)	(1)	
	Direct Blue 86	390	416	2,913	7.00
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Know/es Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Red 83	(1)	(1)	(1)	
	<i>Crompton & Know/es Corp.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041425 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Residual Total	(¹)		(¹)	
32041430	Direct dyes nest, and preparations based thereon, described in additional U.S. note 3 to section VI	13,551	12,948	142,620	\$ 11.02
	Direct Black 22	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Black 38		(¹)		
	<i>Ciba Geigy Corp.</i>				
	Direct Black 80	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Black 163	(1)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Blue 14	(¹)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 15	(1)	(1)	(¹)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Blue 25	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 75	(1)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Blue 76	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 80	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 98	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 100	(¹)	(¹)		
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 120, 120:1, 120:2, and 120:3	(¹)		(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 189		(1)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 191	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 199	749	680	4,519	6.65
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Blue 218	1,128	1,120	8,462	7.56
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Blue 279		(¹)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Brown 44	(¹)	(¹)	(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Orange 26	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041430 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Direct Orange 34 <i>Fabricolor Manufacturing Corp.</i>	(¹)		(1)	
	Direct Orange 39 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)		
	Direct Orange 72 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)		
	Direct Orange 102 <i>BASF Corp, (Parsippany, NJ)</i> <i>Ciba Geigy Corp.</i> <i>Crompton & Knowles Corp.</i> <i>Miles, Inc., Dyes & Pigments Div.</i>	206	266	1,510	\$ 5.67
	Direct Red 16 <i>Ciba Geigy Corp.</i> <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	39	37	414	11.08
	Direct Red 24 <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(¹)		(¹)	
	Direct Red 26 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Direct Red 72 <i>Crompton & Knowles Corp.</i>	(¹)	(1)	(1)	
	Direct Red 73 <i>Crompton & Knowles Corp.</i>	(¹)	(1)	(1)	
	Direct Red 80 <i>Ciba Geigy Corp.</i> <i>Crompton & Knowles Corp.</i>	(¹)	(1)	(1)	
	Direct Red 81 <i>Ciba Geigy Corp.</i> <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(¹)	(¹)	(¹)	
	Direct Red 212 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Direct Red 224 <i>Crompton & Knowles Corp.</i>	(¹)	(1)	(1)	
	Direct Red 227 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Direct Red 236 <i>BASF Corp, (Parsippany, NJ)</i> <i>Ciba Geigy Corp.</i> <i>Miles, Inc., Dyes & Pigments Div.</i>	679	761	4,077	5.36
	Direct Red 238 <i>Miles, Inc., Dyes & Pigments Div.</i>		(¹)	(¹)	
	Direct Red 239 <i>BASF Corp, (Parsippany, NJ)</i> <i>Crompton & Knowles Corp.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>		(¹)	(¹)	
	Direct Violet 9 <i>Ciba Geigy Corp.</i>	(¹)	(¹)	(¹)	
	Direct Violet 66 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Direct Yellow 4 <i>BASF Corp, (Parsippany, NJ)</i> <i>C Lever Co., Inc.</i> <i>Ciba Geigy Corp.</i> <i>Crompton & Know/es Corp.</i> <i>Miles, Inc., Dyes & Pigments Div.</i>	182	229	844	3.68
	Direct Yellow 5		(1)	(1)	

See ondriotos at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales		Average unit value	
		Production	Quantity		Value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041430 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Direct Yellow 6	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	Direct Yellow 7	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Direct Yellow 11	3,136	3,138	7,786	\$ 2.48
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Yellow 44	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	Direct Yellow 50	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Yellow 84	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Direct Yellow 105	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Yellow 106	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Yellow 107	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Yellow 118	(1)	(1)	(9)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Yellow 127	479	480	3,229	6.73
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Yellow 131	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Yellow 132	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Yellow 137	(1)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Yellow 147	739	742	4,924	6.63
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Yellow 157	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	6,214	5,493	103,959	18.93
32041450	Direct dyes and preparations based thereon, nesl	7,675	7,545	45,294	6.00
	Direct Black 165	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Black 170	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Black 179	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct black dyes, all other	636	633	4,562	7.20
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Know/es Corp.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041450 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Blue 273	(¹)	(I)	(I)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Blue 281	(¹)	(I)	(I)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 283	II	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 286	(I)	(I)	(I)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 290	(¹)	(I)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Direct blue dyes, all other	(I)	(¹)	(I)	
	BASF Corp, (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Miles, Inc., Dyes & Pigments Div.				
	Direct Brown 232	(I)	(I)	(I)	
	<i>Crompton & Knowles Corp.</i>				
	Direct brown dyes, all other	(I)	(¹)	(I)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct green dyes, all other	(I)	(¹)	(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct orange dyes, all other	(¹)	(I)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Ciba Geigy Corp.				
	Direct Red 254	2,818	2,730	7,224	\$ 2.65
	BASF Corp, (Parsippany, NJ)				
	C Lever Co., Inc.				
	Ciba Geigy Corp.				
	Crompton & Knowles Corp.				
	Miles, Inc., Dyes & Pigments Div.				
	Direct red dyes, all other	(I)	(I)	(I)	
	BASF Corp, (Parsippany, NJ)				
	<i>Crompton & Knowles Corp.</i>				
	Direct Violet 35	(I)	(I)	(I)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Violet 99	(I)	III	(I)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Violet 195	(I)	(I)	(I)	
	<i>Crompton & Knowles Corp.</i>				
	Direct violet dyes, all other	(¹)	(I)	(I)	
	BASF Corp, (Parsippany, NJ)				
	Direct Yellow 119	(¹)	(I)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	Direct Yellow 148	(I)	19	(I)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct yellow 166	(I)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Direct yellow dyes, all other	19	(I)	(I)	
	BASF Corp, (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Miles, Inc., Dyes & Pigments Div.				
	Residual Total	4,221	4,181	33,507	8.01
320415	Vat dyes (including those usable in that state as pigments) and preparations based thereon	(¹)	(¹)	(I)	
32041510	Vat blue 1 (synthetic indigo) dye, "Colour Index No. 73000" and preparations based thereon	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041510 —Continued					
	Vat Blue 1, 20% Buffalo Color Corp.	(1)	(1)	(7)	
	Residual Total	(1)	(1)	(1)	
32041520	Vat brown 3; vat orange 2,7; and vat violet 9, 13 dyes and preparations based thereon	230	222	3,546	\$ 15.99
	Vat Orange 2, 12% BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Vat Orange 7, 11% Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Vat Violet 13, 6-1/4% BASF Corp, (Parsippany, NJ) Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Residual Total	230	222	3,546	15.99
32041530	Solubilized vat blue 5 and specified solubilized vat dyes and preparations based thereon	(1)	(I)	(1)	
	Vat Blue 16, 16% BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Vat Blue 66 BASF Corp, (Parsippany, NJ)	(1)	(1)	19	
	Vat Red 10, 18% BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Vat Red 15, 10% Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041540	Vat dyes (incl. those usable as pigments) and preparations based thereon, described in add. U.S. note 3 to sec. VI	(1)	(1)	(1)	
	Vat Black 22, 19% Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Vat Black 27, 12-1/2% BASF Corp, (Parsippany, NJ)	(1)	(I)	(1)	
	Vat Blue 6, 8-1/3% BASF Corp, (Parsippany, NJ)	(9)	(1)	(1)	
	Vat Blue 43 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Vat Green 1, 6% BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Vat Green 3, 10% BASF Corp, (Parsippany, NJ) Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Vat Orange 9, 12% BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041550	Vat dyes (including those usable as pigments) and preparations based thereon, nesl	PI	(1)	(1)	
	Vat brown dyes, all other Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Vat Green 7 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Vat green dyes, all other Crompton & Knowles Corp.	(1)	(1)	(1)	
	Vat red dyes, all other Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(I)	(1)	
	Residual Total	(1)	(1)	(1)	
320415XX	HTS Level Residual Total	(1)	(1)	(1)	
320416	Reactive dyes and preparations based thereon	(1)	In	(1)	
32041610	Reactive black 1; blue 1, 2, 4; orange 1; red 1, 2, 3, 5, 6; and yellow 1; and preparations based thereon	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041610 —Continued					
	Reactive Orange 1 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(1)	
	Reactive Red 2 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)		
	Residual Total	(¹)	(¹)	(¹)	
32041620	Specified reactive dye mixtures and preparations based thereon	(¹)	2,081	31,208	\$ 14.99
	Reactive Blue 7 <i>Crompton & Knowles Corp.</i>	(¹)			
	Reactive Blue 19 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(1)	(1)	
	Reactive Blue 21 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	Reactive Blue 38 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	Reactive Blue 41 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(¹)	(1)	(1)	
	Reactive Green 19 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(1)	(1)	
	Reactive Orange 20 <i>Crompton & Knowles Corp.</i>		(1)	(1)	
	Reactive Orange 72 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(¹)	
	Reactive Orange 84 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Reactive Red 49 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(1)	(1)	
	Reactive Yellow 15 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Reactive Yellow 37 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>		(¹)	(¹)	
	Reactive Yellow 42 <i>Hoechst Celanese Corp., Sou Tex Works</i>		(¹)		
	Reactive Yellow 135 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	2,081	31,208	14.99
32041630	Reactive dyes and preparations based thereon nesl, described in additional U.S. note 3 to section VI		2,140	17,530	8.19
	Reactive Black 5 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Reactive Blue 3 <i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Reactive Blue 71 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	Reactive Brown 1 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(1)	(1)	
	Reactive Brown 17 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Reactive Orange 4 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Reactive Orange 12 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Reactive Orange 16 <i>Crompton & Knowles Corp.</i>		(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041630 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Reactive Red 11	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Red 31	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Red 43	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Reactive Red 58	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Red 94	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Red 243	(1)	(1)	11)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive Yellow 18	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Yellow 86	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Yellow 160	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Residual Total	(1)	2,140	17,530	\$ 8.19
32041650	Synthetic reactive dyes and preparations based thereon, nesl	(1)	(1)		
	Reactive black dyes, all other		(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Blue 214	(1)		(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive blue dyes, all other	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Orange 86	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive orange dyes, all other	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Red 120	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive Red 180	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive red dyes, all other	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive violet dyes, all other	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Yellow 165	(1)	(1)		
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive yellow dyes, all other	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Residual Total	(1)	(1)	(1)	
320417	Pigments and preparations based thereon	(1)		(1)	
32041710	Pigment black 1 and other specified pigments and preparations based thereon		595	582	38.11
	Pigment Orange 34		55	61	25.85
	<i>BASF Corp. (Parsippany, NJ)</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Roma Color, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041710 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Pigment Red 112 <i>Cookson Pigments, Inc.</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(1)	
	Pigment Red 146 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Indol Color Co.</i>	(¹)	(1)	(¹)	
	Pigment Red 169 <i>Max Marx Color Corp.</i>	(1)			
	Pigment Red 170 <i>CDR Pigments & Dispersions</i> <i>Cookson Pigments, Inc.</i> <i>Galaxie Chemical Corp.</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Sun Chemical Corp., Pigments Div.</i>	(¹)	(1)	(1)	
	Pigment Red 188 <i>Miles, Inc., Dyes & Pigments Div.</i>	(¹)	(¹)	(¹)	
	Pigment Red 48:3, (strontium) <i>Engelhard Corp.</i> <i>Sun Chemical Corp., Pigments Div.</i>	(¹)	(1)	(1)	
	Pigment Yellow 97 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	Residual Total	540	521	20,601	\$ 39.54
32041720	Copper phthalocyanine (IPhthalocyanato(2-)(copper) not ready for use as a pigment (Phthalocyaninato(2-))Copper <i>PCI, Inc.</i> <i>Phthalchem, Inc.</i>	(1) (1)	(1) (1)	(1) (¹)	
	Residual Total	(¹)	(¹)	(1)	
32041730	Synthetic pigments and preparations based thereon nest, described in additional U.S. note 3 to section VI	56,107	41,570	700,387	16.85
	(Basic Yellow 2), fugitive <i>Max Marx Color Corp.</i>	(¹)	(¹)		
	Pigment Blue 19 <i>PMC Inc., PMC Specialities, Group, Inc.</i>	(¹)	(¹)	(¹)	
	Pigment Blue 25 <i>Galaxie Chemical Corp.</i>	(1)	(1)	(¹)	
	Pigment Blue 61 <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)		
	Pigment Blue 62 <i>Max Marx Color Corp.</i>	(1)	(1)	(1)	
	Pigment Blue 15, (a form) <i>BASF Corp, (Parsippany, NJ)</i> <i>Ciba Geigy Corp.</i> <i>Cookson Pigments, Inc.</i> <i>Engelhard Corp.</i> <i>Sun Chemical Corp., Pigments Div.</i>	183	163	2,619	16.10
	Pigment Blue 15:1, (a form) <i>BASF Corp, (Parsippany, NJ)</i> <i>Gibe Geigy Corp.</i> <i>Cookson Pigments, Inc.</i> <i>Hilton Davis Chemical Co.</i> <i>Miles, Inc., Dyes & Pigments Div.</i> <i>Sun Chemical Corp., Pigments Div.</i>	544	586	14,645	24.98
	Pigment Blue 15:2, (a form) <i>Ciba Geigy Corp.</i> <i>Cookson Pigments, Inc.</i> <i>Hilton Davis Chemical Co.</i>	252	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
Chemical description/Manufacturer—Continued					
	Sun Chemical Corp., Pigments Div.				
	Pigment Blue 15:3, (ft form)	9,959	7,435	83,316	\$ 11.21
	Allegheny Chemical Corp.				
	Apollo Colors, Inc.				
	BASF Corp, (Parsippany, NJ)				
	Barker Fine Color, Inc.				
	CDR Pigments & Dispersions				
	CPS Corp.				
	Cookson Pigments, Inc.				
	Daicolor Pope, Inc.				
	Industrial Color, Inc.				
	Magruder Color Co., Inc.				
	Spectrachem Corp.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Blue 15:4, (ft form)	(¹)	838	12,192	14.55
	Ciba Geigy Corp.				
	Cookson Pigments, Inc.				
	Daicolor Pope, Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Blue 1, (PMA)		(¹)		
	Hilton Davis Chemical Co.				
	Magruder Color Co., Inc.				
	Uhlich Color Co., Inc.				
	Pigment Blue 2, (PMA)	(¹)	(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Blue 14, (PMA)		(¹)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Uhlich Color Co., Inc.				
	Pigment Green 1, (PMA)	(¹)		(¹)	
	Max Marx Color Corp.				
	Pigment Green 2, (PMA)	(¹)	(¹)	(¹)	
	Max Marx Color Corp.				
	Pigment Green 4, (PMA)	(¹)	(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Green 2, (PTA)	(¹)	(¹)	(¹)	
	Max Marx Color Corp.				
	Pigment Orange 1	(¹)		(¹)	
	Max Marx Color Corp.				
	Pigment Orange 2		(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Orange 5	526	364	4,536	12.47
	Engelhard Corp.				
	Hilton Davis Chemical Co.				
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Pfister Chemical, Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Orange 13	69	59	1,569	26.68
	BASF Corp, (Parsippany, NJ)				
	Engelhard Corp.				
	Indol Color Co.				
	Roma Color, Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Orange 15	(¹)	(¹)	(¹)	
	Indol Color Co.				
	Pigment Orange 16	383	364	6,113	16.81
	Engelhard Corp.				
	Galaxie Chemical Corp.				
	Indol Color Co.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
			1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
Chemical description/Manufacturer—Continued					
	Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Orange 46	338	305	3,984	\$ 13.07
	Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Hilton Davis Chemical Co. Indol Color Co. Sun Chemical Corp., Pigments Div.				
	Pigment Orange 48	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Pigment Orange 49	(1)		(1)	
	Ciba Geigy Corp.				
	Uhlich Color Co., Inc.				
	Pigment Red 2	21	(1)	(1)	
	Engelhard Corp. Galaxie Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Pigment Red 3	190	223	3,192	14.30
	BASF Corp, (Parsippany, NJ) Engelhard Corp. Hilton Davis Chemical Co. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.				
	Pigment Red 4	72	61	846	13.76
	BASF Corp, (Parsippany, NJ) Engelhard Corp. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.				
	Pigment Red 5	(1)	(1)		
	Engelhard Corp. Galaxie Chemical Corp.				
	Pigment Red 17	10	11	275	25.17
	Indol Color Co. Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Red 22	271	257	4,865	18.95
	Apollo Colors, Inc. Cookson Pigments, Inc. Engelhard Corp. Galaxie Chemical Corp. Indol Color Co. Max Marx Color Corp. Roma Color, Inc. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.				
	Pigment Red 23	147	132	3,596	27.20
	Cookson Pigments, Inc. E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Engelhard Corp. Fabric ^o lor Manufacturing Corp. Galaxie Chemical Corp. Inch), Color Co. Roma Color, Inc. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continuos/					
<i>Chemical description/Manufacturer—Continued</i>					
	Pigment Red 31 Ga/axie Chemical Corp. Hilton Davis Chemical Co. Indol Color Co. Roma Color, Inc.	8	(¹)	(¹)	
	Pigment Red 38 Engelhard Corp. Hoechst Celanese Corp., Spicialty Chem Group, Coventry Sun Chemical Corp., Pigments Div.	70	69	1,891	\$ 27.51
	Pigment Red 57 Magruder Color Co., Inc.		(¹)	(¹)	
	Pigment Red 63 Engelhard Corp.		(¹)	(¹)	
	Pigment Red 122 Cookson Pigments, Inc. Miles, Inc., Dyes & Pigments Div. Sun Chemical Corp., Pigments Div.	(¹)	320	19,690	61.55
	Pigment Red 123 Miles, Inc., Dyes & Pigments Div.		(¹)	(¹)	
	Pigment Red 147 Engelhard Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry		(¹)	(¹)	
	Pigment Red 179 Miles, Inc., Dyes & Pigments Div. Sun Chemical Corp., Pigments Div.	(¹)	(¹)	(¹)	
	Pigment Red 190 Miles, Inc., Dyes & Pigments Div.	(¹)	(¹)	(¹)	
	Pigment Red 200 BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions	(¹)	(¹)	(¹)	
	Pigment Red 202 Ciba Geigy Corp. Cookson Pigments, Inc. Miles, Inc., Dyes & Pigments Div. Sun Chemical Corp., Pigments Div.	(¹)	(¹)	(¹)	
	Pigment Red 206 Ciba Geigy Corp.	(¹)	(¹)	(¹)	
	Pigment Red 207 Gibe Geigy Corp.	(¹)	(¹)	(¹)	
	Pigment Red 209 Sun Chemical Corp., Pigments Div.	(¹)	(¹)	(¹)	
	Pigment Red 210 Indol Color Co. Sun Chemical Corp., Pigments Div.		(¹)	(¹)	
	Pigment Red 224 Miles, Inc., Dyes & Pigments Div.		(¹)	(¹)	
	Pigment Red 48:1, (barium) Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Cookson Pigments, Inc. Engelhard Corp. Hilton Davis Chemical Co. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	588	467	7,175	15.36
	Pigment Red 49:1, (barium)	(¹)	957	8,769	9.17

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
	Chemical description/Manufacturer—Continued				
	BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Hilton Davis Chemical Co. Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	1,386	1,298	15,053	\$ 11.60
	Pigment Red 53:1, (barium) Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Engelhard Corp. Fabricolor Manufacturing Corp. Hilton Davis Chemical Co. Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	1,144	1,073	14,653	13.66
	Pigment Red 48:2, (calcium) BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Cookson Pigments, Inc. Engelhard Corp. Hilton Davis Chemical Co. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	619	672	8,802	13.11
	Pigment Red 49:2, (calcium) BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Hilton Davis Chemical Co. Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	475	428	7,999	18.70
	Pigment Red 52:1, (calcium) Apollo Colors, Inc. CDR Pigments & Dispersions Engelhard Corp. Magruder Color Co., Inc. Max Marx Color Corp. Sun Chemical Corp., Pigments Div. Uhlich Color Co., Inc.	(1)	(1)	(1)	
	Pigment Red 54, (calcium) Fabricolor Manufacturing Corp.				
	Pigment Red 57:1, (calcium) Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions CPS Corp. Daicolor Pope, Inc. Engelhard Corp. Industrial Color, Inc. Magruder Color Co., Inc.	9,165	5,728	70,004	12.22

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Max Marx Color Corp.				
	Sun Chemical Corp., Pigments Div.				
	Uhlich Color Co., Inc.				
	Pigment Red 1, (light)	(¹)	(¹)	(¹)	
	Engelhard Corp.				
	Pigment Red 48:4, (manganese)	64		(¹)	
	Cookson Pigments, Inc.				
	Engelhard Corp.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Red 52:2, (manganese)	(¹)	(¹)		
	BASF Corp, (Parsippany, NJ)				
	Engelhard Corp.				
	Uhlich Color Co., Inc.				
	Pigment Red 81, (PMA)	201	196	6,832	\$ 34.85
	Magruder Color Co., Inc.				
	Max Marx Color Corp.				
	Sun Chemical Corp., Pigments Div.				
	Uhlich Color Co., Inc.				
	Pigment Red 81, (PTA)	(¹)	(¹)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Magruder Color Co., Inc.				
	Max Marx Color Corp.				
	Uhlich Color Co., Inc.				
	Pigment Violet 19	1,118	1,064	62,676	58.91
	Ciba Geigy Corp.				
	Cookson Pigments, Inc.				
	Miles, Inc., Dyes & Pigments Div.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Violet 23	343	(¹)	(¹)	
	Barker Fine Color, Inc.				
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	R M Industries, Inc.				
	Spectrachem Corp.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Violet 27	(¹)	(¹)	(¹)	
	Max Marx Color Corp.				
	Pigment Violet 1, (fugitive)	(¹)	(¹)	(¹)	
	Sun Chemical Corp., Pigments Div.				
	Uhlich Color Co., Inc.				
	Pigment Violet 3, (fugitive)	(¹)	(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Violet 1, (PMA)	(¹)	(¹)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Magruder Color Co., Inc.				
	Max Marx Color Corp.				
	Uhlich Color Co., Inc.				
	Pigment Violet 3, (PMA)	315		(¹)	
	BASF Corp, (Parsippany, NJ)				
	Magruder Color Co., Inc.				
	Max Marx Color Corp.				
	Uhlich Color Co., Inc.				
	Pigment Violet 1, (PTA)	(¹)	(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Violet 3, (PTA)	(¹)	(¹)	(¹)	
	Uhlich Color Co., Inc.				
	Pigment Yellow 1	73	127	1,160	9.10
	BASF Corp, (Parsippany, NJ)				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Engelhard Corp. Max Marx Color Corp. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 3	83	74	998	\$ 1 3.5 8
	Cookson Pigments, Inc. Engelhard Corp. Keystone Color Works, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 5	(¹)	(¹)	(¹)	
	Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 12	10,658	6,507	77,598	11.92
	Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Daicolor Pope, Inc. Engelhard Corp. Hilton Davis Chemical Co. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 13	391	343	5,066	14.77
	Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Fabricolor Manufacturing Corp. Ga/axle Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 14	2,853	2,676	30,773	11.50
	BASF Corp, (Parsippany, NJ) CDR Pigments & Dispersions Engelhard Corp. Fabricolor Manufacturing Corp. Ga/axle Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 17	244	247	3,805	15.39
	Apollo Colors, Inc. BASF Corp, (Parsippany, NJ) Engelhard Corp. Fabricolor Manufacturing Corp. Ga/axle Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.				
	Pigment Yellow 60	(¹)	(¹)		
	Engelhard Corp.				
	Pigment Yellow 65	(¹)	148	2,726	18.39

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041730 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Cookson Pigments, Inc. Engelhard Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Max Marx Color Corp. Sun Chemical Corp., Pigments Div.</i>				
	Pigment Yellow 73 <i>Engelhard Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Sun Chemical Corp., Pigments Div.</i>	(¹)	(¹)	(¹)	
	Pigment Yellow 74 <i>BASF Corp, (Parsippany, NJ) Cookson Pigments, Inc. Engelhard Corp. Hilton Davis Chemical Co. Hoechst Celanese Corp., Specialty Chem Group, Coventry Roma Color, Inc. Sun Chemical Corp., Pigments Div.</i>	633	654	11,784	S 18.02
	Pigment Yellow 75 <i>Engelhard Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Sun Chemical Corp., Pigments Div.</i>	I)	(¹)	(¹)	
	Pigment Yellow 83 <i>BASF Corp, (Parsippany, NJ) Engelhard Corp. Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.</i>	636	615	15,082	24.52
	Pigment Yellow 139 <i>Miles, Inc., Dyes & Pigments Div.</i>	(¹)		(¹)	
	Residual Total	12,076	6,754	185,872	27.52
32041750	Synthetic pigments and preparations based thereon, nesi	3,038	2,501	65,720	26.27
	Acetoacetarylide yellows, all others <i>Cookson Pigments, Inc. Keystone Color Works, Inc.</i>		(¹)	(I)	
	Naphthol reds, all other <i>Company not disclosed Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Hilton Davis Chemical Co. Roma Color, Inc. Synalloy Corp., Blackman Uhler Chemical Div.</i>	368	372	9,922	26.64
	Phthalocyaninetetrasulfonyl chloride, copper derivative <i>Miles, Inc., Dyes & Pigments Div.</i>			(¹)	
	Pigment Black 7 BASF Corp, (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Pigment black toners, all other <i>Uhlich Color Co., Inc.</i>	(I)	(¹)	(¹)	
	Pigment blue toners, all other <i>Fabricolor Manufacturing Corp.</i>			(t)	
	Pigment Green 7 <i>Allegheny Chemical Corp. BASF Corp, (Parsippany, NJ)</i>	1,691	1,545	35,930	23.26

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041750 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Barker Fine Color, Inc.</i>				
	<i>Delcolor Pope, Inc.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Magruder Color Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Green 36	PI	(¹)	(¹)	
	<i>Allegheny Chemical Corp.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment green toners, all other	(1)	(¹)	(¹)	
	<i>Uhlich Color Co., Inc.</i>				
	Pigment Orange 38	(1)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment orange toners, all other	(1)	(1)	(¹)	
	<i>Galaxie Chemical Corp.</i>				
	Pigment Red 177	(1)	(¹)	(¹)	
	<i>Cookson Pigments, Inc.</i>				
	Pigment Red 194	(1)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Pigment Red 245	(¹)	(1)	(1)	
	<i>Indol Color Co.</i>				
	Pigment Red 63:1, calcium	(¹)	(¹)	PI	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment red toners, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Ga/axle Chemical Corp.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Uhlich Color Co., Inc.</i>				
	Pigment Violet 29	(¹)	(¹)	(¹)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment violet toners, all other	(¹)	(1)	(1)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>SyneHoy Corp., Blackman Uhler Chemical Div.</i>				
	<i>Uhlich Color Co., Inc.</i>				
	Pigment Yellow 62	(¹)	(¹)	(¹)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Yellow 119	(I)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Pigment Yellow 152	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Pigment Yellow 176	(1)	(¹)	(¹)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment yellow toners, all other	(I)	(1)	(1)	
	<i>Engelhard Corp.</i>				
	Residual Total	980	584	18,015	\$ 30.83
320419	Synthetic organic coloring matter, including mixtures of coloring matter of two or more of the subheadings 3204.11 to 3204.19	(¹)	III	(¹)	
32041911	Solvent black 2 and other specified solvent dyes and preparations based thereon	(¹)	(I)	(¹)	
	Solvent orange dyes, all other	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Solvent Red 23	(1)	(¹)	(¹)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Red 27	(1)	(1)	(¹)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Yellow 160	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041911 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Sulfur Black 1		(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur Black 2	(¹)		(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Residual Total	(¹)	(¹)	(¹)	
32041915	Solvent dyes and preparations based thereon, described in additional U.S. note 3 to section VI	5,279	3,794	44,599	\$ 11.75
	Solvent Black 7	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Orient Chemical Corp.</i>				
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Black 13	(¹)	(¹)	(¹)	
	<i>Crompton & Know/es Corp.</i>				
	Solvent Black 26	(¹)		(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Solvent Blue 3	(¹)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	Solvent Blue 5	(¹)	(¹)	(¹)	
	<i>Dye Specialties, Inc.</i>				
	Solvent Blue 23	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Solvent Blue 35	(1)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Solvent Blue 36	(¹)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Solvent Blue 38	(¹)	(¹)	(¹)	
	<i>Gillette Chemical Co.</i>				
	Solvent Blue 59	(¹)	(¹)	(¹)	
	<i>Miles, Inc., Dyes & Pigments Div.</i>				
	<i>Morton International, Inc.,</i>				
	Solvent Blue 98	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Morton International, Inc.,</i>				
	Solvent Blue 99	(1)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Solvent Blue 100	(1)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Solvent Blue 101	(1)	(¹)	(¹)	
	<i>Morton International, Inc.,</i>				
	Solvent Brown 12	(¹)	(1)	(1)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Brown 20	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Morton International, Inc.,</i>				
	Solvent Brown 22		(¹)	(¹)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Brown 38	(1)		(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Solvent Green 3	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Morton International, Inc.,</i>				
	Solvent Orange 3	(¹)	(1)	(1)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Solvent Orange 7	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 32041915 —Continued					
Chemical description/Manufacturer—Continued					
	Solvent Orange 20	(1)	(I)	(¹)	
	BASF Corp. (Parsippany, NJ)				
	Fabricolor Manufacturing Corp.				
	Solvent Orange 23	(¹)	(I)	(¹)	
	Crompton & Knowles Corp.				
	Solvent Orange 60	(1)	(I)	(¹)	
	Color Chem International Corp.				
	Morton International, Inc.,				
	Solvent Red 1	(I)		(¹)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Red 24	(¹)	(I)	(¹)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Red 26	(¹)		(I)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Red 49	(I)	VI	(I)	
	BASF Corp. (Parsippany, NJ)				
	Solvent Red 68	(¹)		(¹)	
	Crompton & Knowles Corp.				
	Morton International, Inc.,				
	Solvent Red 80	(I)	(¹)	(¹)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Red 111	(¹)	(¹)	(I)	
	Morton International, Inc.,				
	Solvent Red 135	(¹)	(¹)	(¹)	
	Morton International, Inc.,				
	Solvent Red 164	(I)	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	Morton International, Inc.,				
	Solvent Red 166	(1)	(1)	(I)	
	Morton International, Inc.,				
	Solvent Red 168	(I)	(¹)	(I)	
	Morton International, Inc.,				
	Solvent Violet 8	(¹)	(I)	(I)	
	BASF Corp. (Parsippany, NJ)				
	Dye Specialties, Inc.				
	Solvent Violet 9	(I)		(¹)	
	Dye Specialties, Inc.				
	Solvent violet 11	(¹)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Solvent Violet 13	(¹)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Solvent Violet 14	(¹)	(¹)	(I)	
	Morton International, Inc.,				
	Solvent Yellow 3	(¹)	(I)	(II)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Yellow 13	(¹)	(I)	(¹)	
	BASF Corp. (Parsippany, NJ)				
	Fabricolor Manufacturing Corp.				
	Solvent Yellow 14	(I)	(I)	(¹)	
	Crompton & Knowles Corp.				
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Yellow 16	(¹)	(¹)	(¹)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Solvent Yellow 18	(¹)		(¹)	
	Company not disclosed				
	Crompton & Knowles Corp.				
	Solvent Yellow 33	(¹)		(I)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041915 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Color Chem International Corp. Morton International, Inc.,				
	Solvent Yellow 40 Crompton & Knowles Corp.	(¹)	(¹)		
	Solvent Yellow 42 Crompton & Knowles Corp.	(1)	(¹)	(¹)	
	Solvent Yellow 56 Passaic Color & Chemical Co., Division of Royce Assoc.	(¹)	(¹)	(¹)	
	Solvent Yellow 72 Color Chem International Corp. Febricolor Manufacturing Corp. Passaic Color & Chemical Co., Division of Royce Assoc. United Color Manufacturing, Inc.	(¹)		70	1,267 \$ 18.13
	Solvent Yellow 107 United Color Manufacturing, Inc.	(¹)	(I)	(¹)	
	Residual Total	5,279	3,724	43,332	11.63
32041919	Solvent dyes and preparations based thereon, nesi			(¹)	
	Solubilized Sulfur Black 1 Sandoz Chemicals Corp. (Martin Plant)	(¹)	(I)	(¹)	
	Solubilized Sulfur Black 2 Sandoz Chemicals Corp. (Mt. Holly)	(¹)	(¹)		
	Solvent Yellow 96 Morton International, Inc.,	(¹)		(¹)	
	Residual Total	(I)	(¹)	(¹)	
32041930	Sulfur black, "Colour Index Nos. 53185, 53190 and 53195" and preparation based thereon	(¹)		(¹)	
	Leuco Sulfur Black 1 Sandoz Chemicals Corp. (Mt. Holly)	(¹)	(¹)	(I)	
	Leuco Sulfur Black 2 Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly)	(¹)	(¹)	(¹)	
	Residual Total	(¹)			
32041940	Synthetic organic coloring matter and preparations based thereon, nesi, described in additional U.S. note 3 to section VI	10,185	9,985	111,936	11.21
	Azoic Black 4 Synalloy Corp., Blackman Uhler Chemical Div.	(¹)	(¹)	(¹)	
	Azoic Blue 3 Synalloy Corp., Blackman Uhler Chemical Div.	(¹)	(1)	(1)	
	Azoic Blue 6 Crompton & Knowles Corp.		(¹)	(1)	
	Azoic Brown 7 Synalloy Corp., Blackman Uhler Chemical Div.	(¹)	(¹)	(¹)	
	Azoic Brown 9 Synalloy Corp., Blackman Uhler Chemical Div.	(¹)		(¹)	
	Azoic Diazo Component 13, base Alliance Chemical, Inc.	(¹)	(1)	(1)	
	Azoic Red 1 Synalloy Corp., Blackman Uhler Chemical Div.	(1)	(I)	(¹)	
	Azoic Red 2 Synalloy Corp., Blackman Uhler Chemical Div.	(¹)	(¹)	(¹)	
	Azoic Red 6 Synalloy Corp., Blackman Uhler Chemical Div.	(1)	(¹)	(¹)	
	Azoic Violet 1 Synalloy Corp., Blackman Uhler Chemical Div.	(1)		(I)	
	Azoic Yellow 1 Synalloy Corp., Blackman Uhler Chemical Div.	(1)	(¹)	(¹)	
	Drug and Cosmetic Green 5	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041940 —Continued</i>					
<i>Chemical descriptionManufacturer—Continued</i>					
	<i>Crompton & Knowles Corp.</i>				
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Green 8 <i>Hilton Davis Chemical Co.</i>	(¹)		(¹)	
	Drug and Cosmetic Orange 4 <i>Crompton & Knowles Corp.</i>	13	(¹)	(¹)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Orange 5 <i>Warner Jenkinson Co.</i>	(¹)	(¹)	(¹)	
	Drug and Cosmetic Red 6 <i>Hilton Davis Chemical Co.</i>	(¹)		59	1,501
	<i>Sun Chemical Corp., Pigments Div.</i>				\$ 25.31
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 7 <i>Hilton Davis Chemical Co.</i>	182	(1)	(¹)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 17 <i>Warner Jenkinson Co.</i>	(1)	(¹)	(1)	
	Drug and Cosmetic Red 21 <i>Sun Chemical Corp., Pigments Div.</i>	(¹)	(¹)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 22 <i>Warner Jenkinson Co.</i>		(1)	(1)	
	Drug and Cosmetic Red 27 <i>Hilton Davis Chemical Co.</i>	49		38	1,673
	<i>Sun Chemical Corp., Pigments Div.</i>				43.91
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 28 <i>Sun Chemical Corp., Pigments Div.</i>	(1)	(1)	(1)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 30 <i>Sun Chemical Corp., Pigments Div.</i>	(¹)	(1)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 33 <i>Crompton & Knowles Corp.</i>	(¹)		(¹)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Co.</i>				
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 34 <i>Sun Chemical Corp., Pigments Div.</i>	(¹)		(1)	
	Drug and Cosmetic Red 36 <i>Sun Chemical Corp., Pigments Div.</i>	(1)	(1)	(1)	
	<i>Warner Jenkinson Co.</i>				
	Drug And Cosmetic Red 57:1 <i>Sun Chemical Corp., Pigments Div.</i>	(¹)		(¹)	
	Drug And Cosmetic Red 101 <i>Sun Chemical Corp., Pigments Div.</i>	(¹)	(¹)	(¹)	
	Drug and Cosmetic Yellow 5 <i>Hilton Davis Chemical Co.</i>		(1)	(1)	
	Drug and Cosmetic Yellow 6 <i>Hilton Davis Chemical Co.</i>	(¹)	(1)	(¹)	
	Drug and Cosmetic Yellow 8 <i>Warner Jenkinson Co.</i>	(¹)	(¹)	(¹)	
	Drug and Cosmetic Yellow 10 <i>Hilton Davis Chemical Co.</i>	(¹)	(1)	(1)	
	<i>Warner Jenkinson Co.</i>				

See endnotes stand of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041940 —Continued					
Chemical description/Manufacturer—Continued					
	All other dyes		(¹)		
	<i>Morton International, Inc., Reilly Industries, Inc. Sandoz Chemicals Corp. (Mt. Holly)</i>				
	External Drug and Cosmetic Orange 3	(1)	(1)		
	<i>Crompton & Knowles Corp. Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Blue 1	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp. Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Blue 2	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp. Hilton Davis Chemical Co. Warner Jenkinson Co.</i>				
	Food, drug, and cosmetic dyes, all other	(1)	(¹)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Green 3	(¹)	(¹)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Red 2	(¹)	(¹)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Red 3	(¹)	(¹)	(¹)	
	<i>Hilton Davis Chemical Co. Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Red 4	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Food, Drug, and Cosmetic Red 40	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp. Hilton Davis Chemical Co. Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Yellow 5	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp. Warner Jenkinson Co.</i>				
	Food, Drug, and Cosmetic Yellow 6	1,307	(¹)	(¹)	
	<i>Crompton & Knowles Corp. Hilton Davis Chemical Co. Warner Jenkinson Co.</i>				
	Leuco Sulfur Blue 7	(¹)	(1)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Blue 11	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Brown 1, 1:1	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Brown 3		(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Brown 37		(1)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Green 2	(¹)	(1)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Green 16	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Mordant Brown 1		(¹)	(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Brown 70	(¹)	(1)	(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Orange 1	(1)	(¹)	(¹)	
	<i>Fabricolor Manufacturing Corp. Fabricolor Manufacturing Corp.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041940 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Mordant Orange 6 <i>Fabricolor Manufacturing Corp.</i>	(¹)	(1)	(1)	
	Solvent Black 46 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Black 49 <i>Morton International, Inc.,</i>	(1)	(1)		
	Solvent Blue 102 <i>Morton International, Inc.,</i>	(¹)	(1)	(1)	
	Solvent Blue 128 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Blue 129 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Brown 52 <i>Morton International, Inc.,</i>		(¹)	(¹)	
	Solvent Orange 77 <i>Morton International, Inc.,</i>	(1)		(1)	
	Solvent Orange 97 <i>Morton International, Inc.,</i>	(1)	(¹)	(¹)	
	Solvent Red 169 <i>Morton International, Inc.,</i>	(¹)	(1)	(1)	
	Solvent Red 172 <i>Morton International, Inc.,</i>	(¹)	(1)	(1)	
	Solvent Red 175 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Red 179 <i>Color Chem International Corp.</i>	(¹)	(¹)	(¹)	
	Solvent Red 207 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Red 208 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Violet 38 <i>Morton International, Inc.,</i>	(¹)		(¹)	
	Solvent Yellow 93 <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 94 <i>Hilton Davis Chemical Co.</i>	(1)	(1)	(1)	
	Solvent Yellow 135 <i>Company not disclosed</i>	(¹)	(¹)	(1)	
	Solvent Yellow 143 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Yellow 161 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 163 <i>Color Chem International Corp.</i>	(1)		(1)	
	Sulfur Black 11, 11:1 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(¹)	
	Sulfur Blue 7 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)		
	Sulfur Brown 37 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(¹)	
	Sulfur Red 10 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(¹)	(¹)	
	Residual Total	8,631	9,879	91,516	\$ 9.26
	32041950 Synthetic organic coloring matter and preparations based thereon nesi, including mixtures of items from subheading 320411 to 320419	1,986	2,844	17,177	6.04
	Azoic Black 48 <i>Crompton & Know/es Corp.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041950 —Continued					
Chemical description/Manufacturer—Continued					
	Azoic black compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)		
	Azoic Blue 20 <i>Crompton & Knowles Corp.</i>		(1)	(1)	
	Azoic Coupling Component 2 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Coupling Component 4 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Coupling Component 12 <i>Alliance Chemical, Inc.</i>			(1)	
	Azoic Coupling Component 14 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Coupling Component 17 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Coupling Component 18 <i>Alliance Chemical, Inc.</i>			(1)	
	Azoic Coupling Component 20 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Coupling Component 34 <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Diazo Component 3, base <i>Alliance Chemical, Inc.</i>		(1)		
	Azoic Diazo Component 32, base <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Diazo Component 1, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 3, salt <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Diazo Component 5, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 8, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 9, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 10, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 12, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 13, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic Diazo Component 42, salt <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic diazo components, salt, all other <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Azoic Red 32 <i>Crompton & Knowles Corp.</i>		(1)	(1)	
	Azoic red compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Azoic violet compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>		(1)	(1)	
	Leuco Sulfur Black 18 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>		(1)		
	Leuco Sulfur Brown 96 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>			(1)	
	Leuco Sulfur Green 35 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	

See endnotes at and of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Leuco Sulfur Green 36 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Leuco Sulfur Red 14 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Leuco Sulfur Yellow 22 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Mordant Orange 3	(1)	(1)	(1)	
	Solubilized Sulfur Green 11 Sandoz Chemicals Corp. (Martin Plant)	(1)	V)	(1)	
	Solvent Black 47 Morton International, Inc.,	(1)	(1)	(1)	
	Solvent black dyes, all other Crompton & Knowles Corp.	(1)	(1)	(1)	
	Solvent yellow dyes, all other Company nor disclosed Crompton & Knowles Corp. Morton International, Inc.,	(1)	(1)	(1)	
	Sulfur black dyes, all other Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Sulfur Brown 96 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Sulfur green dyes, all other Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Sulfur orange dyes, all other Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Sulfur yellow dyes, all other Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Residual Total	1,989	2,847	17,209	\$ 6.04
320420	Synthetic organic products of a kind used as fluorescent brightening agents	(1)	(1)	(1)	
32042050	Synthetic organic products of a kind used as fluorescent brightening agents, other than fluorescent brightening agent 32	(1)	(1)	(1)	
	Fluorescent Brightener 22 Ciba Geigy Corp.	(1)	(1)	(1)	
	Fluorescent Brightener 24 Miles, Inc., Dyes & Pigments Div.	(1)	(1)	(1)	
	Fluorescent Brightener 28 Ciba Geigy Corp. Miles, Inc., Dyes & Pigments Div.	(1)	(1)	(1)	
	Fluorescent Brightener 61 BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Fluorescent Brightener 71 Miles, Inc., Dyes & Pigments Div.	(1)	(1)	(1)	
	Fluorescent Brightener 102 Ciba Geigy Corp.	(1)	(1)	(1)	
	Fluorescent Brightener 128 Ciba Geigy Corp.	(1)	(1)	(1)	
	Fluorescent Brightener 130 BASF Corp, (Parsippany, NJ)	(1)	(1)	(1)	
	Fluorescent Brightener 134 Ciba Geigy Corp.	(1)	(1)	(1)	
	Fluorescent Brightener 205 Miles, Inc., Dyes & Pigments Div.	(1)	(1)	(1)	
	Fluorescent Brightener 230 Sandoz Chemicals Corp. (Martin Plant)	(1)	(1)	(1)	
	Fluorescent Brightener 231 Sandoz Chemicals Corp. (Martin Plant)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32042050 — Continued					
Chemical description/Manufacturer—Continued					
	Fluorescent Brightener 231	(1)		(1)	
	Fluorescent Brightener 289	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Fluorescent Brightener 290	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Fluorescent Brightener 290	(1)	(1)	(1)	
	Fluorescent Brightener 315	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Fluorescent Brightener 326	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Fluorescent Brightener 339	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Fluorescent Brighteners, all other	(1)		(1)	
	Ciba Geigy Corp.				
	Crompton & Knowles Corp.				
	Miles, Inc., Dyes & Pigments Div.				
	Residual Total	(1)	(1)	(1)	
320420XX	HTS Level Residual Total	(1)	(1)	(1)	
3204XX	HTS Level Residual Total	78,938	59,871		\$
3205	Color lakes; preparations based on color lakes as specified in note 3 to this chapter	(1)	(1)	(1)	
320500	Color lakes; preparations based on color lakes as specified in note 3 to this chapter	(1)	(1)	(1)	
32050040	Color lakes and preparations based thereon, described in additional U.S. note 3 to section VI (Basic Blue 14, PMA)		(1)	(1)	
	C Lever Co., Inc.		(1)		
	(Basic Red 81, PMA)	(1)	(1)	(1)	
	C Lever Co., Inc.				
	Pigment Black 7	(1)	(1)	(1)	
	Miles, Inc., Dyes & Pigments Div.				
	Residual Total	(1)	(1)	(1)	
32050050	Color lakes and preparations based thereon, nesl (Acid Red 26)	124	127	2,658	20.88
	Keystone Color Works, Inc.				
	(Acid Yellow 23)	(1)	(1)	(1)	
	Max Marx Color Corp.				
	(Basic Green 1, PMA)	(1)	(1)	(1)	
	C Lever Co., Inc.				
	Pigment Orange 17	(1)	(1)	(1)	
	Keystone Color Works, Inc.				
	Pigment Red 60:1	(1)	(1)	(1)	
	Engelhard Corp.				
	Max Marx Color Corp.				
	Pigment Red 83	25		(1)	
	Engelhard Corp.				
	Max Marx Color Corp.				
	Uhlich Color Co., Inc.				
	Pigment Violet 5:1	(1)	(1)	(1)	
	Engelhard Corp.				
	Max Marx Color Corp.				
	Uhlich Color Co., Inc.				
	Residual Total	99	127	2,658	20.88
33	Essential oils and resinoids; perfumery, cosmetic or toilet preparations	(1)	(1)	(1)	
3302	Mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of a kind used as raw materials in industry	(1)		(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
330210	Mixtures of odoriferous substances, of a kind used in the food or drink industries	(¹)	(¹)	(¹)	
33021010	Mixtures of odoriferous substances, mixtures with a basis of these substances, used in the food or drink industries, not containing alcohol	(¹)	(¹)	(¹)	
	Synthetic sweetener material, all other	(1)	(¹)	(¹)	
	<i>NutraSweet Co.</i>				
	Residual Total	(¹)	(¹)	(¹)	
33021020	Mixtures of or with a basis of odoriferous substances, used in the food or drink industries, not over 20 percent alcohol by weight	(¹)	(¹)	(¹)	
	All other acyclic flavor and perfume materials	(1)	(1)		
	<i>Company not disclosed</i>				
	<i>Grindsted Products, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	All other benzenoid or naphthalenoid chemicals	(¹)		(¹)	
	<i>Firmenich, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	All other terpenoid, heterocyclic, or alicyclic flavor and perfume chemicals		(1)	(1)	
	<i>Firmenich, Inc.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Glidco Organics Corp.</i>				
	<i>Union Camp Corp., BBA Div.</i>				
	a,a,5-Trimethyl-5-vinyl-furfuryl alcohol and tetrahydro-2,2,6-trimethyl-6-vinyl-3-ol	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Residual Total	(¹)	(1)	(1)	
330290	Mixtures of odoriferous substances of a kind used as raw materials in industries, nest	(¹)	(¹)	(¹)	
33029010	Mixtures of or with a basis of odoriferous substances, used in other than the food or drink industries, none or n/o 10% alcohol by weight	(¹)	(¹)	(¹)	
	Pseudo linalyl acetate (Neobergamate)		(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total			(¹)	
34	Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial waxes, prepared waxes, polishing or scouring preparations, candles and similar articles, modelling pastes, "dental waxes" and dental preparations with a basis of plaster	(¹)	1,047,151	1,455,920	\$ 1.39
3402	Organic surface-active agents (other than soap): surface-active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap, other than those of heading 3401	2,143,606	975,737	1,344,469	1.38
340211	Anionic surface-active agents	(¹)		(¹)	
34021110	Aromatic or modified aromatic anionic organic surface-active agents (other than soap)		(¹)	(¹)	
	Mixed alkyl phenol sulfate, ethoxylated, triethanolamine salt		(¹)	(¹)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Naphthalenesulfonates, all other	(1)	(¹)	(¹)	
	<i>C. P. Hall Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021110 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Henkel Corp.				
	Witco Corp.				
	Phenol, ethoxylated and phosphated	513	838	2,161	S 2.58
	<i>Ethox Chemicals, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>PeIron Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(1)	(¹)	(¹)	
34021150 Nonaromatic anionic organic surface-active agents (other than soap)					
	Alcohols and phenols, alkoxyated and phosphated or polyphosphated, all other	1,026,355	291,641	290,599	1.00
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Virkler Co.</i>				
	Alcohols and phenols, sulfated, all other	(1)	(¹)		
	<i>Lonza, Inc.</i>				
	Amine salts of fatty, rosin, and tall oil acids, all other	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Westvaco Corp.</i>				
	Anionic surface-active agents, all other	217		(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Eastern Color & Chemical Co.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Benzene-, cumene-, toluene-, and xylenesulfonates, all other	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Capric acid, diethanolamine condensate (Ratio= 1/1)		(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	5lor 61-Carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, reaction products with castor oil	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	Carboxylic acids, all other	204		(1)	
	<i>Burlington Industries</i>				
	<i>Kenrich Petrochemicals, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Westvaco Corp.</i>				
	Carboxylic acids with amide, ester or ether linkage, other	(1)	(1)	(1)	
	<i>Hampshire Chemical Corp., Hampshire Chemicals</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Virkler Co.</i>				
	Castor oil acids, potassium salt	(1)	(1)	(¹)	
	<i>Calgon Corp., Calgon Vestal Laboratories Div.</i>				
	Castor oil acids, sodium salt	(¹)	(1)	(¹)	
	<i>Dexter Chemical Corp.</i>				
	Castor oil, sulfated, sodium salt	1,686	1,743	3,010	1.73
	<i>Arol Chemical Products Co., Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Atlas Refinery, Inc.				
	Dexter Chemical Corp.				
	Emkay Chemical Co.				
	Grant Industries, Inc.				
	Henkel Corp.				
	High Point Chemical Corp.				
	ICI Americas, Inc., Specialty Chemicals Div.				
	Leatex Chemical Co.				
	Marlowe Van Loan Corp.				
	Reilly Whiteman, Inc.				
	Salem Oil & Grease Co.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Whittemore Wright Co., Inc.				
	Coconut oil acids, diethanolamine salt	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	Coconut oil acids, ethanolamine salt	(¹)			
	SBS Products, Inc.				
	Coconut oil acids-ethanolamine salt, sulfated, potassium salt	(¹)	(1)	(1)	
	Exxon Chemical Americas				
	Coconut oil acids, potassium salt	(¹)	(¹)	(¹)	
	Calgon Corp., Calgon Vestal Laboratories Div.				
	Essential Industries, Inc.				
	Huntington Laboratories, Inc.				
	JTM Products, Inc.				
	NAMICO, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Coconut oil acids, sodium salt	77,087	4,727	5,346	\$ 1.13
	Andrew Jergens Co.				
	Colgate Palmolive Co.				
	Dial Corp.				
	Exxon Chemical Americas				
	Hewitt Soap Co., Inc.				
	High Point Chemical Corp.				
	Lever Brothers Co				
	NAMICO, Inc.				
	Original Bradford Soap Works, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Coconut oil acids, 2-sulfoethyl ester, sodium salt	(¹)		(¹)	
	Finetex, Inc.				
	Lever Brothers Co				
	Rhone Poulenc, Inc.				
	Coconut oil acids, triethanolamine salt	(1)	(¹)	(¹)	
	Henkel Corp.				
	N-(Coconut oil acyl)-N-methyltaurine, sodium salt	(1)	(¹)	(¹)	
	Finetex, Inc.				
	Rhone Poulenc, Inc.				
	N-(Coconut oil acyl)sarcosine, sodium salt	(1)	(1)		
	Exxon Chemical Americas				
	Hampshire Chemical Corp., Hampshire Chemicals				
	N-[(Coconut oil alkyl)amino]butyric acid, sodium salt	359	317	1,043	3.29
	Akzo Nobel, Inc				
	Jetco Chemicals, Inc.				
	PPG Industries, Inc.				
	Witco Corp.				
	N-(Coconut oil alkyl)sulfosuccinamic and disodium salt		(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 34021150 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>WestPoint Stevens, Inc., Grifftex Chemicals</i>				
	Coconut oil, sulfated, sodium salt <i>Climax Performance Materials Corp.</i>	(1)		(1)	
	<i>Whittemore Wright Co., Inc.</i>				
	Cod oil, sulfated, sodium salt <i>Salem Oil & Grease Co.</i>	(1)	(1)		
	Corn oil acids, potassium salt <i>Huntington Laboratories, Inc.</i>	(1)	(1)		
	Corn oil acids, sodium salt <i>NAMICO, Inc.</i>	(1)	(1)	(1)	
	Cottonseed oil, sulfated, sodium salt <i>Henkel Corp.</i>	(1)	(1)	(1)	
	Decyl and octyl phosphate <i>Ethox Chemicals, Inc.</i>	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Henkel Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Decyl and octyl sulfate, sodium salt <i>Stepan Co.</i>	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Dodecylbenzenesulfonic acid, (Mixed alkyl)amine salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	<i>PPG Industries, Inc.</i>				
	Dodecyloxypolyethyleneoxy)acetic acid, sodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Dodecyl and tetradecyl alcohols, ethoxylated and sulfated, ammonium salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Esters of sulfated oleic acid, all other <i>Henkel Corp.</i>	(1)	(1)	(1)	
	2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated <i>C.N. C. International</i>	(1)	(1)	(1)	
	2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated, sodium salt <i>C.N.C. International</i>	(1)	(1)	(1)	
	Grease, other than wool, sulfated, sodium salt <i>Whittemore Wright Co., Inc.</i>	(1)	(1)	(1)	
	Herring oil, sulfated <i>Salem Oil & Grease Co.</i>	(1)	(1)	(1)	
	Herring oil, sulfated, sodium salt <i>Atlas Refinery, Inc.</i>	(9)		(1)	
	<i>Salem Oil & Grease Co.</i>				
	<i>Whittemore Wright Co., Inc.</i>				
	Hydrogenated marine glycerides, sulfated, sodium salt <i>Reilly Whiteman, Inc.</i>	(1)	(1)	(1)	
	Isostearic acid, mixed isopropanolamines salt <i>Company not disclosed</i>	(1)		(1)	
	Lard, sulfated, sodium salt <i>Reilly Whiteman, Inc.</i>	(1)	(1)	(1)	
	<i>Stockhausen, Inc.</i>				
	<i>Whittemore Wright Co., Inc.</i>				
	Lauroyl lactylate, sodium salt <i>American Ingredients Co.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Lauryl alcohol, ethoxylated and phosphated <i>Rhone Poulenc, Inc.</i>	(1)	(1)		
	Ligninsulfates, all other <i>Westvaco Corp.</i>		(¹)	(¹)	
	Linear alcohols, sulfated, all other <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>		(¹)		
	N-Methyl-N-Itall oil acyl taurine, sodium salt <i>C.N.C. International Finetex, Inc. Rhone Poulenc, Inc. Westvaco Corp.</i>			28	129 \$ 4.57
	Mixed alkane sulfonic acid, sodium salt <i>Salem Oil & Grease Co. Stepan Co. Witco Corp.</i>	973	(1)	(1)	
	Mixed alkyl amphopropionate <i>Mona Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Mixed alkyl phoshate, sodium salt <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	Mixed alkyl phosphate <i>Company not disclosed E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Hoechst Celanese Corp., Sou Tex Works Mona Industries, Inc.</i>		(¹)		
	Mixed alkyl phosphate, alkylamine salt <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Mixed alkyl phosphate, diethanolamine salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(¹)	(¹)	
	Mixed alkyl phosphate, potassium salt <i>Quaker Chemical Corp.</i>	(1)	(¹)	(¹)	
	Mixed alkyl phosphate, triethanolamine salt <i>Company not disclosed</i>	(¹)			
	N-(Mixed alkylsulfonyl)glycine, sodium salt <i>Burlington Industries Hampshire Chemical Corp., Hampshire Chemicals</i>	(¹)	(¹)	(¹)	
	Mixed alpha-olefins and vegetable <i>Salem Oil & Grease Co.</i>		(1)	(1)	
	Mixed animal and vegetable oil, sulfated, sodium salt <i>Salem Oil & Grease Co.</i>		(1)	(1)	
	Mixed fish oils, sulfated, ammonium salt <i>Stockhausen, Inc.</i>	(¹)	(¹)	(1)	
	Mixed fish oils, sulfated, sodium salt <i>Reilly Whiteman, Inc. Salem Oil & Grease Co.</i>	(1)	(1)	(1)	
	Mixed linear alcohols, alkoxyated and phosphated, potassium salt <i>Piedmont Chemical Industries, Inc.</i>		(¹)	(1)	
	Mixed linear alcohols, ethoxylated and phosphated <i>BASF Corp. (Parsippany, NJ) C. H. Patrick & Co., Inc. Company not disclosed Croda, Inc. Essential Industries, Inc. Ethox Chemicals, Inc. Exxon Chemical Americas Ferro Corp., Keil Chemical Div. Gresco, Mfg., Inc.</i>	1,755	1,918	5,852	3.05

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Harcros Chemicals, Inc.				
	Hart Products Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Marlowe Van Loan Corp.				
	Mona Industries, Inc.				
	Reilly Whiteman, Inc.				
	Rhone Poulenc, Inc.				
	SSC Industries, Inc.				
	Witco Corp.				
	Mixed linear alcohols, ethoxylated and phosphated, sodium salt	(1)	(1)	(1)	
	C. H. Patrick & Co., Inc.				
	Mixed linear alcohols, ethoxylated and sulfated, ammonium salt	(1)	11,117	13,039	\$ 1.17
	Company not disclosed				
	Company not disclosed				
	Henkel Corp.				
	Jetco Chemicals, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Vista Chemical Co.				
	Witco Corp.				
	Mixed linear alcohols, ethoxylated and sulfated, sodium salt			(1)	
	Pilot Chemical Co.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Vista Chemical Co.				
	Witco Corp.				
	Mixed linear alcohols, sulfated, ammonium salt	(1)		(1)	
	Colgate Palmolive Co.				
	Company not disclosed				
	Henkel Corp.				
	Lonza, Inc.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Witco Corp.				
	Mixed linear alcohols, sulfated, diethanolamine salt	(1)	(1)	(1)	
	Witco Corp.				
	Mixed linear alcohols, sulfated, sodium salt	50,246	(1)	(1)	
	Colgate Palmolive Co.				
	Lonza, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Witco Corp.				
	Mixed linear alcohols, sulfated, triethanolamine salt	895	800	1,101	1.38
	Henkel Corp.				
	Lonza, Inc.				
	Witco Corp.				
	Mixed(secondary linear alcohol)polyethylene propionic acid, sodium salt	(1)	(1)		
	C. H. Patrick & Co., Inc.				
	Mixed vegetable fatty acids, potassium salt	(1)	(1)	(1)	
	Reilly Whiteman, Inc.				
	Mixed vegetable oils, sulfated, ammonium salt	(1)	(1)		

See endnotes at end of table.

Table 3 1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Reilly Whiteman, Inc.				
	Mixed vegetable oils, sulfated, sodium salt	(1)	(1)		
	Lonza, Inc.				
	Naphthenic acid, ethoxylated	(1)	(1)	(1)	
	Company not disclosed				
	Nonylphenol, ethoxylated and carbonated, sodium salt	(1)	(1)	(1)	
	Witco Corp.				
	Octadecylamine, ethoxylated and phosphated, sodium salt	(1)	(1)	(1)	
	Gresco, Mfg., Inc.				
	Octyl phosphate, alkylamine salt	(1)	(1)	(1)	
	Company not disclosed				
	Oleic acid, mixed isopropanolamine salt	(1)	(1)	(1)	
	Company not disclosed				
	Unitex Chemical Corp.				
	Palm kernel oil acids, potassium salt	(1)	(1)	(1)	
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Palm kernel oil acids, sodium salt	(1)	(1)		
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Palm oil acids, sodium salt	(1)	(1)	(1)	
	Dial Corp.				
	Hewitt Soap Co., Inc.				
	Original Bradford Soap Works, Inc.				
	Petroleum sulfonic acid, water soluble (Acid layer), sodium salt	(1)	(1)	(1)	
	Pilot Chemical Co.				
	Phosphated and polyphosphated alcohols, all other	165		(1)	
	Calgene Chemical, Inc.				
	Company not disclosed				
	Ethox Chemicals, Inc.				
	Kenrich Petrochemicals, Inc.				
	Mona Industries, Inc.				
	Phosphoric and polyphosphoric acid esters, all other	114	88	316	\$ 3.61
	C. H. Patrick & Co., Inc.				
	Exxon Chemical Americas				
	Lonza, Inc.				
	Olin Corp.				
	Witco Corp.				
	Polyhydric alcohol, ethoxylated and phosphated	254	254	817	3.22
	Ethox Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Witco Corp.				
	Poly(oxy-1,2-ethandiy1),w-(2-carboxy)-methyl-w-tridecyloxy, potassium salt		(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Poly(oxy-1,2-ethandiy1), co-12-carboxyethoxylul-hydroxy-a, a'-(iminodi-2, 1-ethandiy1) bis-,N-tallow alkyl derivs., potassium salt	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	Polypropylene glycol, phosphated	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Potassium and sodium salts of fatty, rosin, and tall oil acids, all other	(1)	(1)		
	Huntington Laboratories, Inc.				
	Lonza, Inc.				
	Uniroyal Chemical Co., Inc.				

Si. endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34027150 --Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Westvaco Corp.</i>				
	Rosin acids, potassium salt <i>Arizona Chemical Co.</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Rosin acids, sodium salt <i>Arizona Chemical Co.</i> <i>Company not disclosed</i> <i>Salem Oil & Grease Co.</i>	(¹)	(¹)	(¹)	
	Rosin acids, triethanolamine salt <i>Grant Industries, Inc.</i>	(1)	(¹)	(¹)	
	1-(Sodium carboxyethylene)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(tall oil fatty acids)-2-imidazolium hydroxide <i>Rhone Poulenc, Inc.</i>	(1)	(¹)	(¹)	
	1-(Sodium carboxymethyl)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(coconut oil fatty acids)-2-imidazolium lauryl sulfate <i>Rhone Poulenc, Inc.</i>		(¹)	(1)	
	Sodium tetradecyl sulfate <i>Johnson Matthey, Inc.</i>		(¹)	(¹)	
	Soybean oil, sulfated, sodium salt <i>Climax Performance Materials Corp.</i> <i>Henkel Corp.</i> <i>Whittemore Wright Co., Inc.</i>	(¹)	(¹)	(¹)	
	Stearoyl iso-lactylate <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Stearoyl iso-lactylate, sodium salt <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Stearoyl-2 lactylate, calcium salt <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Stearoyl lactylate, mixed sodium and calcium salt <i>American Ingredients Co.</i>	(¹)	(1)	(1)	
	Stearoyl lactylate, sodium salt <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Sulfated animal fats and oils, all other <i>Whittemore Wright Co., Inc.</i>	(¹)	(¹)	(¹)	
	Sulfated fish and marine fat oils, all other <i>Atlas Refinery, Inc.</i>	(¹)	(¹)	(1)	
	Sulfonic acids, all other <i>C.P. Hall Co.</i> <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	(¹)	(1)	(1)	
	Sulfonic acids having amide linkages, all other <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Sulfonic acids with ether linkages, all other <i>PPG Industries, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(¹)	(1)	(1)	
	Sulfosuccinic acid, (coconut oil alkyl) iminoisopropanol half-ester, sodium salt <i>Mona Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Sulfosuccinic acid esters, all other <i>Ca/gene Chemical, Inc.</i> <i>Cytec Industries</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)	(t)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Sulfosuccinic acid myristyl ester disodium monoethanolamine salt <i>Witco Corp.</i>	(1)	(1)	(1)	
	Sulfuric acid esters, all other <i>Henkel Corp.</i>	(1)	(1)	(1)	
	Synthetic fatty alcohol ester, sulfated, sodium salt <i>Salem Oil & Grease Co.</i>	(1)	(1)	(1)	
	Tall Oil Acids <i>Arizona Chemical Co.</i>	(1)	(1)	(1)	
	Tall oil acids, diethanolamine salt (Condensate) <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Tall oil acids, potassium salt <i>WestPoint Stevens, Inc., Griffitex Chemicals</i> <i>Essential Industries, Inc.</i> <i>Ferro Corp., Keil Chemical Div.</i> <i>Henkel Corp.</i> <i>Hickson Danchem Corp.</i> <i>Huntington Laboratories, Inc.</i> <i>JTM Products, Inc.</i> <i>Leatex Chemical Co.</i> <i>Murphy Phoenix Co.</i> <i>Quaker Chemical Corp.</i> <i>SBS Products, Inc.</i>	(1)	116	212	\$ 1.83
	Tall oil acids, sodium salt <i>Company not disclosed</i> <i>NAMICO, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Reilly Whiteman, Inc.</i>	1,390	331	220	0.66
	Tall oil acids, sulfated, sodium salt <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	(Tall oil.fatty acids), triethanolamine salt <i>Murphy Phoenix Co.</i>	(1)	(1)	(1)	
	Tall oil,sulfated, ammonia salt <i>Stockhausen, Inc.</i>	(1)	(1)	(1)	
	Tall oil, sulfated, sodium salt <i>Climax Performance Materials Corp.</i> <i>Stockhausen, Inc.</i> <i>Whittemore Wright Co., Inc.</i> <i>Witco Corp.</i>	331	(1)	(1)	
	Tallow acids, potassium salt <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(1)	(1)	(1)	
	Tallow acids, sodium salt <i>Andrew Jergens Co.</i> <i>Colgate Palmolive Co.</i> <i>Dial Corp.</i> <i>Hewitt Soap Co., Inc.</i> <i>Lever Brothers Co</i> <i>NAMICO, Inc.</i> <i>Original Bradford Soap Works, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	256,118	8,554	7,537	0.88
	Tallow acids, triethanolamine salt <i>Exxon Chemical Americas</i> <i>Grant Industries, Inc.</i> <i>Quaker Chemical Corp.</i> <i>SBS Products, Inc.</i>	(1)	(1)	(1)	
	(Tallow alkyl)amine <i>Akzo Nobel, Inc</i>	21,250	7,586	10,530	1.39

See endnotes at end of table.

Table 3 1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Enenco, Inc.				
	Jetco Chemicals, Inc.				
	Witco Corp.				
	Tallow, sulfated, sodium salt	182	244	216	\$ 0.89
	Atlas Refinery, Inc.				
	C.N.C. International				
	Emkay Chemical Co.				
	National Starch & Chemical Co.				
	Reilly Whiteman, Inc.				
	Salem Oil & Grease Co.				
	Whittemore Wright Co., Inc.				
	N-2(C-5 to C-17)alkylamido-N-carboxyethyl,N-2-hydroxyethyl, 3-amino-2-hydroxypropyl phosphate, disodium salt	(1)	(1)	(1)	
	Mona Industries, Inc.				
	Vegetable oils, sulfated, all other	(1)	(1)	(1)	
	Henkel Corp.				
	Reilly Whiteman, Inc.				
	Residual Total	610,584	235,580	185,620	0.79
340211XX	HIS Level Residual Total	(1)	(1)	(1)	
340212	Cationic surface-active agents	(1)	113,219	254,277	2.25
34021210	Aromatic or modified aromatic cationic organic surface-active agents (other than soap)	(1)	14,340	41,881	2.92
	Benzyl(cocoamidopropyl)dimethyl ammonium chloride	(1)	(1)	(1)	
	Company not disclosed				
	Benzyl(coconut oil alkyl)bis(2-hydroxyethyl) ammonium chloride	(1)	(1)	(1)	
	Akzo Nobel, Inc.				
	Company not disclosed				
	Rohm & Haas Co.				
	Benzyl(coconut oil alkyl)dimethylammonium chloride	467	480	1,350	2.81
	Akzo Nobel, Inc.				
	Company not disclosed				
	Enenco, Inc.				
	Exxon Chemical Americas				
	Gresco, Mfg., Inc.				
	Hart Products Corp.				
	Jetco Chemicals, Inc.				
	Witco Corp.				
	Benzyl-di(hydrogenated tallow alkyl)methylammonium chloride	(1)	(1)	(1)	
	Witco Corp.				
	Benzyl(dimethylmixed alkyl)ammonium chloride	8,580	4,348	18,236	4.19
	Company not disclosed				
	Company not disclosed				
	Huntington Laboratories, Inc.				
	Lonza, Inc.				
	PPG Industries, Inc.				
	Stepan Co.				
	Sybron Chemicals, Inc.				
	Benzyl(dimethyl(tallow alkyl)ammonium chloride	138	140	439	3.13
	Boehme tilatex., Inc.				
	Enenco, Inc.				
	Witco Corp.				
	Benzyl(hydrogenated tallow alkyl)dimethylammonium chloride	1,356	(1)	(1)	
	Akzo Nobel, Inc.				
	Enenco, Inc.				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification / chemical description / manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 34021210 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Witco Corp.</i>				
	1-Benzyl-1-(2-hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline	(1)	(1)		
	<i>Company not disclosed</i>				
	Benzyl-methyl-bis(hydrogenated tallow) ammonium chloride	(1)	(1)	(1)	
	<i>Enenco, Inc.</i>				
	Benzyl mixed alkyl pyridinium chloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Benzyl tallow alkyl bis(2-hydroxyethyl) ammonium chloride	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Di(C5-C6 alkyl)naphthalenesulfonic acid		(1)	(1)	
	<i>Company not disclosed</i>				
	(Ethylbenzyl)dimethyl(mixed alkyl) ammonium chloride	(1)	(1)	(1)	
	<i>Huntington Laboratories, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Stepan Co.</i>				
	N-Ethyl-N-(soybean oil alkyl)morpholinium ethyl sulfate	(1)	(1)	(1)	
	<i>Akzo Nobel, Inc</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	1-12-Hydroxyethyl-2-nor(coconut oil alkyl)-2-imidazoline	175	(1)	(1)	
	<i>Finetex, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	1-(2-Hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline	(1)		(1)	
	<i>Company not disclosed</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1-12-Hydroxyethyl-2-(tall oil alkyl)imidazoline, fatty acid salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Methyl-1-tallowamidoethyl-2-tallowimidazolium-methyl sulfate	(1)	(1)	(1)	
	<i>Croda, Inc.</i>				
	Naphthenic acids-polyalkylene polyamine condensate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>High Point Chemical Corp.</i>				
	Naphthenic acids-tall oil fatty acids-polyalkylene polyamine condensate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Neat's foot oil, sulfated, sodium salt		(1)	(1)	
	<i>Atlas Refinery, Inc.</i>				
	<i>Whittemore Wright Co., Inc.</i>				
	Rosin polyamidoimidazoline	(1)		(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Tall oil acids-polyalkylene polyamine condensate, salts, with dodecylbenzene sulfonic acid and/or tall oil fatty acids	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Tall oil imidazoline	(1)	(1)	(1)	
	<i>Harcros Chemicals, Inc.</i>				
	Residual Total	(t)	8,974	21,856	\$ 2.44
34021250	Nonaromatic cationic organic surface-active agents (other than soap)	237,277	98,879	212,397	2.15

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Sales		Average unit value	
		Production	Quantity		Value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
	Acetic acid, amides with polyalkylene polyamines, salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	N-Alkyl-aspartic acid, diester <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Alkyl-dimethylamine oxide <i>Hoechst Celanese Corp., Sou Tex Works</i>	(1)	(1)	(1)	
	Alkyl-dimethyl quaternary amine methylsulfate <i>Hoechst Celanese Corp., Sou Tex Works</i>	(1)	(1)	(1)	
	Amides from C-18 <i>Company not disclosed</i>	(1)	(1)	(1)	
	Amides from C-18 unsaturated fatty acid dimers and polyhexamethylenepolyamines <i>Company not disclosed</i>		(1)	(1)	
	Amides from C-18 unsaturated fatty acid dimers and polyhexamethylenepolyamines, ethoxylated <i>Company not disclosed</i>	(1)	(1)	(1)	
	Amine oxides and oxygen-containing amines (Except those having amine linkages), cyclic, all other <i>Company not disclosed</i> <i>Lonza, Inc.</i> <i>Westvaco Corp.</i>	1,472	11)	(1)	
	Amine oxides and oxygen-containing amines (Except those with amide linkages), acyclic, all other <i>Akzo Nobel, Inc</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>High Point Chemical Corp.</i> <i>Hilton Davis Chemical Co.</i> <i>Kenrich Petrochemicals, Inc.</i> <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Rhone Poulenc, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	2,759	8,413	\$ 3.05
	Amine salts (Not containing oxygen), all other <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	(2-Aminoethyl)ethyl(hydrogenated tallow alky1)12-hydroxyethyl)ammonium ethyl sulfate <i>Omega Chemicals, Inc.</i>	(1)		11	
	Bis(coconut oil alkyl)amine <i>Akzo Nobel, Inc</i>	(1)	(1)	(1)	
	Bis(coconut oil alkyl)dimethylammonium chloride <i>Akzo Nobel, Inc</i> <i>Exxon Chemical Americas</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	2,118	1,985	5,090	2.56
	Bis(hydrogenated tallow alkyl)amine <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Witco Corp.</i>	196	209	332	1.59
	Bis(hydrogenated tallow alkyl)dimethylammonium chloride <i>Akzo Nobel, Inc</i>	24,009	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	Bis(hydrogenated tallow alkyl) dimethylammoniummethyl sulfate	(1)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	<i>High Point Chemical Corp.</i>				
	N,N-Bis(2-hydroxyethyl)(coconut oil alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	Bis-2-hydroxyethyl-hydrogenated tallow-ethyl sulfate	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	N,N-Bis(2-hydroxyethyl)(tallow alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	N,N-Bis(1-hydroxyisopropyl)tallowalkylamine	(1)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	Bis(N-amidopropyl)-N,N-dimethyl-N-ethylammonium ethyl sulfate, dimer acid	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Bis(N,N1-ethylstearicarachidic/behenic)amide) cyanoethyl ethylammonium ethosulfate	(1)	(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	2-Butenediamide, (E-, N,n'-bis(2-14,5-dihydro-2-nortall oil alkyl)-iH-imidazol-1-yl)ethyl) derivatives		(1)	(1)	
	<i>Company not disclosed</i>				
	Carboxylic acid-diamine and polyamine condensates, all other	(1)		(1)	
	<i>Atlas Refinery, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	Carboxylic acid-diamine and polyamine condensates, alkoxyated, all other	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Cationic surface-active agents, all other	6,020	1,212	11,132	\$ 9.19
	<i>Burlington Industries</i>				
	<i>Company not disclosed</i>				
	<i>Cytec Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Virkler Co.</i>				
	C-,e Fatty acids, unsaturated compounds, with polyethylene-polyamines-tall oil fatty acid reaction products	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	3-Cocooamido-N,N-dimethyl propylamine oxide	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N-(Cocooamidopropyl N,N-acetic acid) ammonium salt	(1)		(1)	
	<i>Company not disclosed</i>				
	Cocooamidopropyl dimethyl amine oxide	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
Chemical description/Manufacturer—Continued					
	Coconut oil acids-diethylenetriamine condensate <i>Jetco Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Coconut oil acids-N,N-dimethyltrimethylenediamine condensate <i>Exxon Chemical Americas</i>		(¹)	(¹)	
	(Coconut oil alkyOamine <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	5,735	875	2,272	\$ 2.60
	(Coconut oil alkylIamine acetate <i>Company not disclosed</i> <i>Exxon Chemical Americas</i>		V)	(¹)	
	(Coconut oil alkyl)amine, ethoxylated <i>Akzo Nobel, Inc</i> <i>BASF Corp, (Parsippany, NJ)</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Karlshamns, USA</i> <i>PPG Industries, Inc.</i> <i>Witco Corp.</i>	1,856	1,161	2,471	2.13
	(Coconut oil alkyl)amine, ethoxylated, acetate <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(9	VI	(¹)	
	Coconut oil(alkyl)amine, ethoxylated and phosphated <i>Company not disclosed</i>	,9	(¹)	(¹)	
	(Coconut oil alkyl) bis(2-hydroxyethyl, ethoxylated)-methylammonium chloride <i>Exxon Chemical Americas</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	(1)	V)	19	
	(Coconut oil alkyl)-bis-(hydroxyethyl)methyl ethoxylated mono-12-carboxyethyl) ether methyl sulfate, potassium salt <i>Karlshamns, USA</i>	(¹)	(¹)	(¹)	
	N-(Coconut oil alkylItrimethylenediamine <i>Akzo Nobel, Inc</i> <i>Jetco Chemicals, Inc.</i>	I1	(¹)	V1	
	Diamines and polyamines, all other <i>Akzo Nobel, Inc</i> <i>Company not disclosed</i> <i>Scher Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(¹)	
	Dimeracidalkyl amine <i>Enenco, Inc.</i> <i>Witco Corp.</i>)	(¹)	(¹)	
	N-(DimeracidalkylItrimethylenediamine <i>Enenco, Inc.</i>	V1	(1)	V)	
	N,N-Dimethyl(coconut oil alkylIamine <i>Akzo Nobel, Inc</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	V)	(¹)	(¹)	
	N,N-Dimethyl(coconut oil alkylIamine oxide <i>Akzo Nobel, Inc</i>	VI	V1	V1	
	N,N-Dimethyl(hydrogenated tallow alkylIamine <i>Akzo Nobel, Inc</i> <i>Grant Industries, Inc.</i>	(¹)	V1	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
Chemical description/Manufacturer—Continued					
	N,N-Dimethyl(hydrogenated tallow alkyl)amine oxide <i>Akzo Nobel, Inc</i>	(¹)	(¹)	(¹)	
	N,N-Dimethyl(mixed alkyl)amine <i>Akzo Nobel, Inc</i> <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	N,N-Dimethyl(19-octadecenyl-alkyl)amine <i>Enenco, Inc.</i>		(1)	(1)	
	N,N-Dimethyl(soybean oil alkyl)amine <i>Akzo Nobel, Inc</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	N,N-Dimethyl(tallow alkyl)amine <i>Akzo Nobel, Inc</i>	(¹)	(¹)	(¹)	
	1,2-Ethanediamine, N-12-aminoethyl ethoxylated and propoxylated <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	1,2-Ethanediamine, n,n'-bis(2-aminoethyl- polymer with chloromethyl oxirane) <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	Ethyl dimethyl(mixed alkyl) ammonium ethyl sulfate <i>Dexter Chemical Corp.</i> <i>Lonza, Inc.</i>	(1)	(¹)	(¹)	
	Ethylenediamine, alkoxyated <i>Company not disclosed</i>	(1)	(1)		
	(Hydrogenated tallow alkyl)amine <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	3,005	1,235	1,970	\$ 1.60
	(Hydrogenated tallow alkyl)amine, ethoxylated <i>Akzo Nobel, Inc</i> <i>Ethox Chemicals, Inc.</i> <i>Exxon Chemical Americas</i> <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>		(¹)	(¹)	
	Hydrogenated tallow diethylenetriamine condensate <i>Reilly Whiteman, Inc.</i>	(1)	(¹)	(¹)	
	1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nortallow oil alkyl derivatives, acetates <i>Company not disclosed</i>	(1)		(1)	
	2-Imidazole-1-12-aminoethyl-2-(tallow oil alkyl), ethoxylated <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	N,N'-11minodi-2,1-ethanediamine bis-tallow oil fatty amides <i>Company not disclosed</i>	(¹)	(¹)	(1)	
	Lignin amine <i>Akzo Nobel, Inc</i>	(¹)	(¹)	(¹)	
	Maleic anhydride, polypropylene glycol copolymer <i>Piedmont Chemical Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Methyl-bis(alkylamidoethyl-2-hydroxyethyl) ammonium methyl sulfate <i>Sequa Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	N-Methylbis(coconut oil alkyl)amine <i>Akzo Nobel, Inc</i> <i>Jetco Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	N-Methylbis(hydrogenated tallow alkyl)amine	(1)	474	571	1.21

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
HTS No. 34021250 —Continued					
Chemical description/Manufacturer—Continued					
	Akzo Nobel, Inc				
	Enenco, Inc.				
	Witco Corp.				
	Methyl-ditallowimidazolium methosulf ate	(I)	(I)	(I)	
	Karlshamns, USA				
	Methyl(hydrogenated tallow alkyl)diethylamine condensate, polyethoxylated, methyl sulfate	(I)	(I)	(I)	
	Karlshamns, USA				
	Methyltallowdiethylenetriamine condensate, polyethoxylated, methyl sulfate	(I)			
	Karlshamns, USA				
	Methyltallowdiethylenetriamine condensate, polypropoxylated, methyl sulfate	(I)	(¹)	(I)	
	Karlshamns, USA				
	(Mixed alkyl)amine	(I)	(¹)	(I)	
	Akzo Nobel, Inc				
	(Mixed alkyl)amine, ethoxylated	330	(I)	(I)	
	Akzo Nobel, Inc				
	Company not disclosed				
	Croda, Inc.				
	ICI Americas, Inc., Specialty Chemicals Div.				
	(Mixed alkyl)amine phosphate	(I)	(I)	(I)	
	Company not disclosed				
	N-(Mixed alkyl)polyethylenepolyamine	(I)	(I)	(I)	
	Morton International, Inc., Specialty Chemicals Products				
	Mixed fatty acid amide with diethylene triamine/ethyl sulfate	(¹)	(¹)	(¹)	
	Houghton International, Inc.				
	Mixed fatty acids-alkylenediamine condensate, polyethoxylate	(I)	(I)	(I)	
	Witco Corp.				
	Mixed fatty acids-polyalkylenepolyamine condensate	(I)	(I)	(I)	
	Omega Chemicals, Inc.				
	Mustard seed oil fatty acids diethylenetriamine, phosphate salt	(¹)	(¹)	(¹)	
	Reilly Whiteman, Inc.				
	Oleic acid-N,N-dimethyltrimethylenediamine condensate	(¹)	(I)	(I)	
	Morton International, Inc., Specialty Chemicals Products				
	Oxygen-containing quaternary ammonium salts (Except those having amide linkages), all other	2,431	1,624	4,524	S 2.79
	Company not disclosed				
	Company not disclosed				
	Ethox Chemicals, Inc.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Karlshamns, USA				
	Lonza, Inc.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Pelargonic acid,tetraethylenepentamine condensate	(¹)	(I)	(I)	
	Ethox Chemicals, Inc.				
	Omega Chemicals, Inc.				
	Polyalicyclene polyamines and salts and quats	(I)	(I)	(¹)	
	Company not disclosed				
	Polyalkylene polyamine, ethoxylated	(¹)	(I)	(¹)	
	BASF Corp, (Parsippany, NJ)				
	Polyamine/tall oil imidazoline	(I)	(I)	(t)	
	Witco Corp.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 — Continued					
Chemical description/Manufacturer—Continued					
	Polyethoxy methylstearyl ammonium chloride <i>Witco Corp.</i>	(¹)	(¹)		
	Polyethylene imine, dimethyl sulfate <i>Hoechst Celanese Corp., Sou Tex Works</i>	(1)	(¹)	(¹)	
	Poly(oxyethanyl, 2-diyl)-di-12-12-bis(2-aminoethyl)methylamiumethyl- <i>Karlshamns, USA</i>	(¹)	(1)	(1)	
	Polypropoxy diethylmethyl ammonium chloride <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Primary monoamines, all other <i>Enenco, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)	(1)	
	1-Propanamine, 3-(C12-C15 alkoxy derivatives) <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Quaternary ammonium salts having amide linkages, all other <i>Exxon Chemical Americas</i> <i>High Point Chemical Corp.</i> <i>Hilton Davis Chemical Co.</i> <i>Ino/ex Chemical Co.</i> <i>Lonza, Inc.</i>	2,702	2,473	4,134	\$ 1.67
	Quaternary ammonium salts, not containing oxygen, acyclic, all other <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Quaternary ammonium salts not containing oxygen, cyclic, all other <i>Akzo Nobel, Inc</i> <i>Company not disclosed</i> <i>Lonza, Inc.</i>	817	536	1,865	3.48
	Rosin amine, ethoxylated <i>Company not disclosed</i> <i>Hercules, Inc.</i>	(¹)	(¹)	(¹)	
	Secondary and tertiary monoamines, all other <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Ethyl Corp.</i> <i>Witco Corp.</i>	2,284	1,236	4,399	3.56
	(Soybean oil alkyl)amine <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	2,896	(¹)	(¹)	
	(Soybean oil alkyl)amine, ethoxylated <i>Akzo Nobel, Inc</i> <i>Company not disclosed</i> <i>Exxon Chemical Americas</i> <i>Jetco Chemicals, Inc.</i> <i>Karlshamns, USA</i>	395	414	1,291	3.12
	N-(Soybean oil alkyl)trimethylenediamine <i>Enenco, Inc.</i> <i>Witco Corp.</i>		(¹)	(¹)	
	Stearamidopropyldimethylceterylammonium tosylate and propylene glycol <i>ISP Van Dyk, Inc.</i>	(¹)	(¹)	(¹)	
	Stearic acid, diethanolamine condensate, methyl sulfate		(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 34021250 —Continued					
Chemical description/Manufacturer—Continued					
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	Stearic acid-diethylenetriamine condensate	(¹)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	<i>Omega Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	Stearic acid-diethylenetriamine condensate, ethyl sulfate	(¹)	(1)	(1)	
	<i>Gresco, Mfg., Inc.</i>				
	Stearic acid - ethylenediamine condensate	(¹)	(¹)	(¹)	
	<i>SSC Industries, Inc.</i>				
	Stearic acid-ethylenediamine condensate, monoethoxylated	(¹)	(¹)	(¹)	
	<i>Apollo Chemical Corp.</i>				
	<i>Dexter Chemical Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Soluol Chemical Co., Inc.</i>				
	Stearic acid mixed amine condensate	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Stearic acid-tetraethylenepentamine condensate	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Tall oil acids-diethylenetriamine condensate	(¹)		(¹)	
	<i>Henkel Corp.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Tall oil acids-polyalkylenepolyamine condensate	(¹)	(1)	(1)	
	<i>Akzo Nobel, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Westvaco Corp.</i>				
	(Tall oil alkyl)amine	(¹)	(1)	(1)	
	<i>Jetco Chemicals, Inc.</i>				
	Tall oil fatty acids, compound with polyethylenepolyamine-tall oil fatty acid reaction products	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Tallow acids, diethanolamine salt	(¹)	(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	<i>SBS Products, Inc.</i>				
	Tallow acids, ethanolamine salt		(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	(Tallow alkyl)amine, ethoxylated	4,173	4,038	8,906	\$ 2.21
	<i>Akzo Nobel, Inc.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Karlshamns, USA</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Witco Corp.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 — Continued					
	<i>Chemical description/Manufacturer—Continued</i>				
	(Tallow alkyl)amine, quaternized, ethoxylated <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tallow alkyl amine, sulfated, ethoxylated <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)dipropylenetriamine <i>Akzo Nobel, Inc</i> <i>Exxon Chemical Americas</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	543	856	1,879	\$ 2.19
	Tallow alkyl)ethoxylated, ethyl sulfate <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)trimethylenediamine <i>Akzo Nobel, Inc</i> <i>Exxon Chemical Americas</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	3,221	5,879	1.83
	N-(Tallow alkyl)trimethylenediamine acetate <i>Akzo Nobel, Inc</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)trimethylenediamine, ethoxylated <i>Akzo Nobel, Inc</i> <i>Company not disclosed</i> <i>Exxon Chemical Americas</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)trimethylenediamine oleate <i>Akzo Nobel, Inc</i>	(1)	(1)	(1)	
	N-Tallow alkyltripropylenetetra-amine <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tallow amine, ethoxylated, quarternary ammonium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>ISP Van Dyk, Inc.</i>	(1)	(1)	(1)	
	Tallow fatty acids-aminoethylethanolamine condensates <i>Omega Chemicals, Inc.</i>	(1)		(1)	
	N,N,N',N'-Tetrakis(2-Hydroxyethyl)ethylenediamine, propoxylated <i>Hoechst Celanese Corp., Sou Tex Works</i>	(1)		(1)	
	Trihydrogenated tallow ammonium chloride <i>Enenco, Inc.</i>	(1)	(1)	(1)	
	Trimethylmixed alkyl)ammonium chloride <i>Jetco Chemicals, Inc.</i> <i>Lanza, Inc.</i>	(1)	(1)	(1)	
	Trimethyl(soybean oil alkyl)ammonium chloride <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Trimethyl(tallow alkyl)ammonium chloride <i>Akzo Nobel, Inc</i> <i>Enenco, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Witco Corp.</i>	1,101	931	2,821	3.03
	Residual Total	175,193	73,638	138,858	1.89
340212XX	HTS Level Residual Total	(1)			
340213	Nonionic surface-active agents	(1)		(1)	
34021310	Aromatic or modified aromatic nonionic organic surface-active agents (other than soap)	19,590	15,242	40,444	2.65
	Alkylphenol-formaldehyde condensates, alkoxyated, all other <i>BASF Corp, (Parsippany, NJ)</i>	2,090	1,947	5,819	2.99

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021310 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Amylphenol-formaldehyde, alkoxyated	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	p-tert-Butylphenol-formaldehyde, alkoxyated	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Formaldehyde, dicyandiamide, ethylene sulfate polymers	(¹)	(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Mixed alkyl benzoate	(¹)	(¹)	(¹)	
	<i>Apollo Chemical Corp.</i>				
	(Mixed alkylphenol alkylenediaminealkanolamine formaldehyde		(¹)	(¹)	
	<i>Company not disclosed</i>				
	(Mixed alkyl)phenol epichlorohydrin-formaldehyde, alkoxyated	(¹)			
	<i>Company not disclosed</i>				
	(Mixed alkylphenol, ethoxyated	(¹)	(¹)	(¹)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	(Mixed alkylphenol-formaldehyde, alkoxyated	6,044		(¹)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, ethoxyated, benzyl ether	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Naphthalene sulfonic acid, polymer with formaldehyde and 4,4'-dihydroxydiphenyl sulfone	(¹)	(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Nonyl phenol, ethoxyated with mixed fatty acids	(¹)	(¹)	(¹)	
	<i>SSC Industries, Inc.</i>				
	Nonyl phenol ethoxylate, oleate	(1)	(1)	(¹)	
	<i>Houghton International, Inc.</i>				
	Nonylphenol-formaldehyde, alkoxyated	2,702	1,763	4,592	\$ 2.60
	BASF Corp, (Parsippany, NJ)				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Nonylphenoxy ethoxycocoate	(1)	(1)	(1)	
	<i>RPM American Emulsions Co., Inc.</i>				
	Phenols, ethoxyated, all other	(¹)	1,288	4,235	3.29
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	Polycarboxylic acid, alkylphenoxyalkoxylate	(¹)			
	<i>Company not disclosed</i>				
	Residual Total	8,754	10,244	25,799	2.52
	Carboxylic acid - alkanolamine condensates, all other	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Residual Total	(¹)	(1)	(1)	
	34021320 Nonaromatic nonionic organic surface-active agents (other than soap) of fatty substances of animal or vegetable origin	72,137	60,142	141,316	2.35

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
	Anhydrosorbitol triester of tall oil acids <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Butanol, propoxylated <i>High Point Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Castor oil acids, diethanolamine condensate (Ratio = 2/1) <i>Ardmore, Inc.</i> <i>National Starch & Chemical Co.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(¹)	
	Coconut oil acids, ethoxylated and propoxylated <i>Karlshamns, USA</i>	(¹)	(¹)	(¹)	
	Coconut oil alcohol, ethoxylated <i>Ethox Chemicals, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Coconut oil, ethoxylated <i>Karlshamns, USA</i> <i>Sybron Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Decyl and octyl alcohols, ethoxylated <i>Witco Corp.</i>	(¹)	(1)	(1)	
	Decyl and octyl alcohols, ethoxylated and propoxylated <i>PPG Industries, Inc.</i>	(1)	(1)	(1)	
	Diethylene glycol monoester of coconut oil acids <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Diethylene glycol monoester of tall oil acids <i>Buckman Laboratories, Inc.</i>	(¹)	(¹)	(¹)	
	Diethylene glycol monoester of tallow acids <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Diethylene glycol sesquiester of tall oil acids <i>Eastern Color & Chemical Co.</i>	(¹)	(¹)	(¹)	
	Ethoxylated anhydrosorbitol monotallate <i>Ethox Chemicals, Inc.</i>	(¹)	(¹)	(1)	
	Ethoxylated anhydrosorbitol triester of tall oil acids <i>Ca/gene Chemical, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	Ethoxylated 1,3-butylene glycol stearate <i>Hoechst Celanese Corp., Sou Tex Works</i>	(¹)	(¹)	(¹)	
	Ethoxylated glycerol and propylene glycol esters of coco fatty acids <i>Karlshamns, USA</i>	(¹)	(1)	(1)	
	Ethoxylated glycerol sesquiester of mixed fatty acids <i>Ca/gene Chemical, Inc.</i> <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Ethoxylated sorbitol beeswax ester <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(1)	
	Ethoxylated sorbitol hexaester of tall oil acids <i>Lonza, Inc.</i> <i>PPG Industries, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(¹)	(1)	(1)	
	Ethoxylated sorbitol lanolin ester <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(1)	(1)	
	Ethoxylated sorbitol tetraester of lauric and oleic acids <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320—Continued					
Chemical description/Manufacturer—Continued					
	Ethoxylated sorbitol tetraester of tall oil acids <i>Company not disclosed</i>	(1)	(1)	(1)	
	Fatty acids,C18 AND C18 - unsaturated, sulfonated, ethoxylated and propoxylated <i>Company not disclosed</i>	(1)	I)	(1)	
	Glycerine, alkoxyated <i>Company not disclosed</i>	(1)	(1)	(1)	
	Glycerol diester of lard acids <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Glycerol ester of mixed decanoic and octanoic acids <i>Inolex Chemical Co. Lonza, Inc.</i>	(1)	(1)	(1)	
	Glycerol mono- and diesters of mixed (c18 and c18 unsaturated) acids <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Glycerol mono- and diesters of mixed (c18-18 unsaturated)acids <i>Lonza, Inc.</i>	(1)		(1)	
	Glycerol mono-, di-, and triesters of hydrogenated tallow acids <i>Lonza, Inc.</i>	(1)		(1)	
	Glycerol monoester of C ₈ -C ₁₀ acids <i>Karlshamns, USA</i>		(1)	(1)	
	Glycerol monoester of cottonseed oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div. Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Glycerol monoester of hydrogenated cottonseed oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)		(1)	
	Glycerol monoester of hydrogenated lard acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)		(1)	
	Glycerol monoester of hydrogenated soybean oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of lard acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of mixed fatty acids, acetylated <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	P)	(1)	I)	
	Glycerol monoester of mixed vegetable oil acid <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Glycerol monoester of palm oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)		(1)	
	Glycerol monoester of safflower oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)		(1)	
	Glycerol monoester of tall oil acids <i>Calgene Chemical, Inc. Ferro Corp., Keil Chemical Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of tallow acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)		(1)	
	Glycerol sesquieser of hydrogenated tallow acids <i>Piedmont Chemical Industries, Inc.</i>	(1)	(1)	(1)	
	Glycerol triester of mixed fatty acids <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	Hydrogenated tallow glycerides diethylenediamine condensate <i>Leatex Chemical Co.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 34021320 —Continued</i>					
	Lanolin, ethoxylated Company not disclosed Croda, Inc. Ethox Chemicals, Inc. High Point Chemical Corp. Hoechst Celanese Corp., Sou Tex Works Karlshamns, USA	1,363	1,307	1,972	\$ 1.51
	Mixed alcohols, ethoxylated Company not disclosed Exxon Chemical Americas Harcros Chemicals, Inc. Milliken & Co., Milliken Chemical Div. Sandoz Chemicals Corp. (Martin Plant) Witco Corp.	1,135	951	1,503	1.58
	Mixed alkyl stearate SSC Industries, Inc.	(1)	(1)	(1)	
	Mixed fatty acids, alkyl ether, ethoxylated Company not disclosed	(1)	(1)	(1)	
	Mixed oleic, lauric, stearic, and palmitic hexaglycerol esters Karlshamns, USA	(1)	(1)	(1)	
	Mixed tall oil and rosin acids, ethoxylated Hoechst Celanese Corp., Sou Tex Works	(1)	(1)	(1)	
	Natural fats and oils, ethoxylated, all other BASF Corp, (Parsippany, NJ) Ethox Chemicals, Inc. Henkel Corp. Karlshamns, USA Lonza, Inc.	1,824	1,869	2,971	1.59
	Nonylphenol, hydroxyalkoxypolyether Dixie Chemical Co., Inc.		(1)	(1)	
	tert-Octylphenol-formaldehyde, ethoxylated Sterling Drug, Inc., Sterling Organics Div.	(1)	(1)	(1)	
	Oleic acid, N-octyl ester High Point Chemical Corp.	(1)	(1)	(1)	
	Pentaerythritol tetraoleate PPG Industries, Inc.	(1)	(1)		
	Polycarboxylic acid, alkylate Company not disclosed	(1)	(1)	(1)	
	Polyethylene glycol diester of coconut oil acids PPG Industries, Inc.	(1)	(1)	(1)	
	Polyethylene glycol diester of mixed liner acid/oleic acid Piedmont Chemical Industries, Inc.	(1)	(1)	(1)	
	Polyethylene glycol diester of tall oil acids Atlas Refinery, Inc. Boehme Filatex., Inc. C.N. C. International Company not disclosed Ethox Chemicals, Inc. Houghton International, Inc. Lonza, Inc. PPG Industries, Inc. Quaker Chemical Corp.	4,227	1,268	2,837	2.24
	Polyethylene glycol dilaurate Calgene Chemical, Inc. Ethox Chemicals, Inc. Houghton International, Inc.	373	339	784	2.31

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
Chemical description/Manufacturer—Continued					
	Lonza, Inc. PPG Industries, Inc. Stepan Co.				
	Polyethylene glycol dioleate	1,048	1,006	1,896	\$ 1.89
	C.P. Hall Co. Calgene Chemical, Inc. Company not disclosed Henkel Corp. High Point Chemical Corp. Houghton International, Inc. Lonza, Inc. Milliken & Co., Milliken Chemical Div. Omega Chemicals, Inc. PPG Industries, Inc. Quaker Chemical Corp. SSC Industries, Inc. Stepan Co.				
	Polyethylene glycol distearate	980	915	2,850	3.12
	C. H. Patrick & Co., Inc. Calgene Chemical, Inc. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Stepan Co.				
	Polyethylene glycol ester of mixed fatty acids	(¹)	(I)	(¹)	
	SSC Industries, Inc.				
	Polyethylene glycol (mixed ester) of tall oil acids	(I)	(¹)	(I)	
	Reilly Whiteman, Inc.				
	Polyethylene glycol monoester of capric and caprylic acids	(I)	(¹)	(I)	
	Eastern Color & Chemical Co.				
	Polyethylene glycol monoester of coconut oil acids	(¹)	(¹)	(¹)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Polyethylene glycol monoester of coconut oil acids, ethoxylated	(¹)	(I)	(I)	
	Karlshamns, USA				
	Polyethylene glycol monoester of tall oil acids	(¹)	(I)	(¹)	
	Buckman Laboratories, Inc. Houghton International, Inc.				
	Polyethylene glycol monolaurate	2,494	2,497	5,327	2.13
	Akcros Chemicals America C.P. Hall Co. Eastern Color & Chemical Co. Ethox Chemicals, Inc. Houghton International, Inc. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Stepan Co.				
	Polyethylene glycol mono-oleate	4,185		(¹)	
	Akcros Chemicals America Boehme Filatex., Inc. C.P. Hall Co. Calgene Chemical, Inc. Eastern Color & Chemical Co. Ethox Chemicals, Inc. Grant Industries, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Harcros Chemicals, Inc.				
	Henkel Corp.				
	Hilton Davis Chemical Co.				
	Hoechst Celanese Corp., Sou Tex Works				
	Houghton International, Inc.				
	Karlshamns, USA				
	Lonza, Inc.				
	Marlowe Van Loan Corp.				
	Morton International, Inc., Morton Chemical Div.				
	PPG Industries, Inc.				
	Virk/er Co.				
	Witco Corp.				
	Polyethylene glycol mono-oleate, ethoxylated	(¹)	(¹)	(¹)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Polyethylene glycol monopalmitate	(¹)	(¹)		
	Ethox Chemicals, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Rhone Poulenc, Inc.				
	Polyethylene glycol monotallate	(¹)	(¹)	(¹)	
	C.N. C. International				
	Lonza, Inc.				
	PPG Industries, Inc.				
	Polyethylene glycol, propoxylated	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	Polyethylene glycol sesquiesther of coconut oil acids	(¹)	(¹)	(¹)	
	Boehme Filetex., Inc.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Inolex Chemical Co.				
	Lonza, Inc.				
	Yorkshire Pat Chem, Inc.				
	Polyethylene glycol sesquiesther of tall oil acids	1,641	1,493	3,159	\$ 2.12
	Company not disclosed				
	ICI Americas, Inc., Specialty Chemicals Div.				
	Salem Oil & Grease Co.				
	Witco Corp.				
	Polyethylene glycol sesquiesther of tallow acids	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	Yorkshire Pat Chem, Inc.				
	Polyethylene glycol terephthalate	(1)	(1)		
	Piedmont Chemical Industries, Inc.				
	Polyglycerol distearate	(1)	(¹)	(1)	
	Lonza, Inc.				
	Polyglycerol mono-oleate	219	(¹)	(¹)	
	Calgene Chemical, Inc.				
	Lonza, Inc.				
	Witco Corp.				
	Polyglycerol monostearate	148	(¹)	(¹)	
	Karlshamns, USA				
	Lonza, Inc.				
	Omega Chemicals, Inc.				
	Polyglycerol tetraoleate	(¹)	(1)	(1)	
	PPG Industries, Inc.				
	Poly(mixed ethylene, propylene)glycol	4,699	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	Ethox Chemicals, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued ' 					
<i>Chemical description/Manufacturer—Continued</i>					
	Union Carbide Corp., Industrial Chemicals Div. Witco Corp.				
	Poly(oxy-1,2-ethanediy1 alpha-lcarboxymethyl)- omega-hydroxy-C12-15 alkyl ethers), sodium salt	(1)	(1)	(1)	
	Finetex, Inc.				
	Poly[oxy(methy1-1,2-ethanediy1)1, a-hydro- Company not disclosed	(1)	(1)	(1)	
	Polypropylene glycol, ethoxylated	2,145	3,469	.7,353	\$ 2.12
	Ca/gene Chemical, Inc. Company not disclosed Ethox Chemicals, Inc. Harcros Chemicals, Inc. Henkel Corp. PPG Industries, Inc. Rhone Poulenc, Inc. Witco Corp.				
	Polypropylene glycol, ethoxylated	(1)	(1)	(1)	
	Hoechst Celanese Corp., Sou Tex Works				
	Polypropylene glycol, monolaurate	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-, polymer with oxirane and methyloxirane	(1)	(1)	(1)	
	Company not disclosed				
	1,2-Propanediol dioctanoate/decanoate	(1)	(1)	(1)	
	Karlshamns, USA				
	Propylene glycol esters of hydrogenated palm oil	(1)	(1)	(1)	
	ISP Van Dyk, Inc.				
	Sorbitan monoisostearate	(1)	(1)	(1)	
	Croda, Inc.				
	Tall oil acids, ethoxylated	333		(1)	
	Ferro Corp., Keil Chemical Div. High Point Chemical Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Tall oil, refined, ethoxylated	(1)	(1)	(1)	
	Company not disclosed Rhone Poulenc, Inc.				
	Tallow alcohol, ethoxylated	2,368	2,344	5,722	2.44
	Ethox Chemicals, Inc. Exxon Chemical Americas Hoechst Celanese Corp., Sou Tex Works PPG Industries, Inc. Rhone Poulenc, Inc.				
	Triglycerides, ethoxylated	(1)	(1)	(1)	
	Croda, Inc.				
	Residual Total	42,955	38,470	104,673	2.72
	34021350 Nonaromatic nonionic organic surface-active agents (other than soap), other than of fatty substances of animal or vegetable origin	512,794	454,194	557,295	1.23
	Alkanolamine condensates, all other	(1)	(1)	(1)	
	Akzo Nobel, Inc. Company not disclosed Henkel Corp.				
	Allyl alcohol, alkoxylated	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	Amino-tris(methylene phophonic acid)	(1)	(1)	(4)	
	Jetco Chemicals, Inc.				
	Anhydrosorbitol esters, all other	(1)	(1)	(1)	
	Lonza, Inc.				

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	Anhydrosorbitol monoester of tall oil acids		(¹)	(¹)	
	<i>Company not disclosed</i>				
	Carboxylic acid amides, all other		(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	Carboxylic acid esters, all other	5,025	2,934	9,811	\$ 3.34
	<i>Atlas Refinery, Inc.</i>				
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>Ca/gene Chemical, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Houghton International, Inc.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	Castor oil, ethoxylated	9,947	7,230	12,612	1.74
	<i>Calgene Chemical, Inc.</i>				
	<i>Caschem, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Croda, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Heterene Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Karlshamns, USA</i>				
	<i>Lonza, Inc.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Witco Corp.</i>				
	Chemically defined linear alcohol, alkoxyated, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Croda, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Coconut oil acids, diethanolamine condensate, nes		(¹)	(¹)	
	<i>Hickson Danchem Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Mona Industries, Inc.</i>				
	Coconut oil acids, diethanolamine condensate (Ratio = 1/1)	9,586	8,023	12,770	1.59
	<i>Ardmore, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Gillette Chemical Co.</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Henkel Corp.</i>				

See endnote at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
Chemical description/Manufacturer—Continued					
	Heterene Chemical Corp.				
	Huntington Laboratories, Inc.				
	ISP Van Dyk, Inc.				
	Lonza, Inc.				
	Mona Industries, Inc.				
	PPG Industries, Inc.				
	Pilot Chemical Co.				
	Quaker Chemical Corp.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Witco Corp.				
	Coconut oil acids, diethanolamine condensate (Ratio = 2/1)	806	732	1,488	\$ 2.03
	Aro/ Chemical Products Co., Inc.				
	Burlington Industries				
	C.N.C. International				
	Eastern Color & Chemical Co.				
	Ethox Chemicals, Inc.				
	Hart Products Corp.				
	Henkel Corp.				
	Houghton International, Inc.				
	Huntington Laboratories, Inc.				
	Leatex Chemical Co.				
	Marlowe Van Loan Corp.				
	Mona Industries, Inc.				
	Reilly Whiteman, Inc.				
	Rhone Poulenc, Inc.				
	Ruetgers Nease Corp.				
	Witco Corp.				
	Coconut oil acids-ethanolamine condensate, ethoxylated	(I)	(I)	(I)	
	Alma, Inc.				
	Coconut oil acids, ethanolamine condensate (Ratio = 1/1)	(I)	(I)	(I)	
	Finetex, Inc.				
	Lonza, Inc.				
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	SSC Industries, Inc.				
	Stepan Co.				
	Coconut oil acids, ethanolamine condensate (Ratio = 2/1)	(I)	(I)	(I)	
	Essential Industries, Inc.				
	Exxon Chemical Americas				
	Heterene Chemical Corp.				
	Mona Industries, Inc.				
	Coconut oil acids and oleic acid, potassium salt	(I)	(I)	(I)	
	Hoechst Celanese Corp., Sou Tex Works				
	Coconut oil and tallow acids, diethanolamine condensate (Ratio = 2/1)	(I)	(I)	(I)	
	Exxon Chemical Americas				
	Mona Industries, Inc.				
	Scher Chemicals, Inc.				
	United Aniline Co.				
	Complex glycerol esters, all other	(I)	(I)	(I)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Henkel Corp.				
	Lonza, Inc.				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 34021350 —Continued					
	2,4-Didodecylbenzenesulfonic acid, ammonium salt Company not disclosed				
	Diethanolamine condensate, all other Arizona Chemical Co. Henkel Corp. Mona Industries, Inc. Reilly Whiteman, Inc.			(¹)	
	Diethanolamine condensates (Amine/acid = 2/1), all other Henkel Corp. Mona Industries, Inc. Rhone Poulenc, Inc.	(¹)	(¹)	(¹)	
	Diethanolamine condensates, amine/acid ratio = 1/1, all other Henkel Corp. Lonza, Inc. Mona Industries, Inc.	(1)	(1)	(¹)	
	Diethylene glycol esters, all other Henkel Corp.	1	(1)	(¹)	
	Dodecylbenzenesulfonic acid, monoethanolamine condensate Company not disclosed	(¹)	(1)	(¹)	
	Ethanolamine condensates, all other Sequa Chemicals, Inc.	(¹)	(¹)		
	Ethanolamine condensates, amine/acid ratio = 1/1, all other Henkel Corp. Lonza, Inc.	(1)		(1)	
	Ethanolamine condensates, amine/acid ratio = 2/1, all other Henkel Corp. High Point Chemical Corp.	(1)	(1)	(1)	
	Ethers and thioethers, all other Company not disclosed Ethox Chemicals, Inc. Henkel Corp. High Point Chemical Corp. Olin Corp. Rhone Poulenc, Inc.	3,307	4,099	7,136	\$ 1.74
	Ethoxylated anhydrosorbitol esters, all other Lonza, Inc.	(1)		(1)	
	Ethylene glycol esters, all other ISP Van Dyk, Inc.	(1)	(1)	(1)	
	Glycerol esters of chemically defined acids, all other C. P. Hall Co. Henkel Corp. ISP Van Dyk, Inc. Lonza, Inc.	671	651	1,754	2.69
	Glycerol esters of mixed acids, all other American Ingredients Co. Eastman Kodak Co., Tennessee Eastman Co. Div. Hilton Davis Chemical Co. Karlshamns, USA Lonza, Inc. WestPoint Stevens, Inc., Grifftex Chemicals	4,120	(¹)	(¹)	
	Hydrogenated castor oil, ethoxylated Ethox Chemicals, Inc.	1,007		(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Hydrogenated tallow acids, ethanolamine condensate (Ratio = 2/1)	(¹)	(¹)	(¹)	
	<i>WestPoint Stevens, Inc., Grifftex Chemicals</i>				
	Hydrogenated tallow amides, ethoxylated	(1)	(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Isonanoic acid, mono- and triethanolamine salt	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Isopropanolamine condensates, all other	(¹)	(¹)		
	<i>Calgene Chemical, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lard oil acids, diethanolamine condensate	(¹)	(¹)	(¹)	
	<i>Ferro Corp., Kei/ Chemical Div.</i>				
	Lard oil acids, diethanolamine condensate (Ratio= 1/1)	(¹)	(¹)	(¹)	
	<i>Quaker Chemical Corp.</i>				
	Lauric acid, alkanolamine condensate	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Heterene Chemical Corp.</i>				
	<i>Mona Industries, Inc.</i>				
	Lauric acid, diethanolamine condensate (Ratio = 1/1)	636	(¹)	(¹)	
	<i>Gillette Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Lauric acid, diethanolamine condensate (Ratio = 2/1)	(1)	(¹)	(¹)	
	<i>Croda, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	Lauric acid, ethanolamine condensate (Ratio = 1/1)			(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Lauric and myristic acid, diethanolamine condensate (Ratio = 1/1)		(1)	(1)	
	<i>Heterene Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lauric and myristic acids, alkanolamine condensate	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Lauric and myristic acids, diethanolamine condensate (Ratio = 2/1)	37	36	65	\$ 1.82
	<i>Croda, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lauric and myristic acids, ethanolamine condensate (Ratio = 1/1)	(¹)	(¹)		
	<i>Mona Industries, Inc.</i>				
	<i>Stepan Co.</i>				
	Linoleic acid, diethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Linoleic acid, diethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Linoleic acid dimers, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Methyl alcohol, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Mink amidopropyldimethylamine, isopropanolamine condensate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Mixed carboxylic acids, diethanolamine condensate		(1)	(1)	
	<i>PPG Industries, Inc.</i>				
	<i>SSC Industries, Inc.</i>				
	Mixed carboxylic acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>SSC Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	Mixed fatty acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Mixed fatty acids, diethanolamine condensate (Ratio= 1/1)	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Mixed linear alcohols, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>High Point Chemical Corp.</i>				
	Mixed linear alcohols, alkoxyated, all other	1,703	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Mixed linear alcohols, ethoxyated	365,683		(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Stepan Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, ethoxyated and propoxyated	12,378	10,837	20,496	\$ 1.89
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
Chemical description/Manufacturer—Continued					
	Ethox Chemicals, Inc.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Karlshamns, USA				
	Milliken & Co., Milliken Chemical Div.				
	Olin Corp.				
	PPG Industries, Inc.				
	Pelron Corp.				
	Rhone Poulenc, Inc.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Stepan Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Witco Corp.				
	Myristic acid, diethanolamine condensate (Ratio = 1/1)				
	Mona Industries, Inc.	(1)	(1)	(1)	
	Nonionic surface-active agents, all other	2,512	2,253	9,230	\$ 4.10
	BASF Corp. (Parsippany, NJ)				
	Burlington Industries				
	Company not disclosed				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Henkel Corp.				
	High Point Chemical Corp.				
	ICI Americas, Inc., Specialty Chemicals Div.				
	Kenrich Petrochemicals, Inc.				
	Lonza, Inc.				
	Milliken & Co., Milliken Chemical Div.				
	Mona Industries, Inc.				
	Piedmont Chemical Industries, Inc.				
	Rhone Poulenc, Inc.				
	Nonylphenol, ethoxylated, coconut oil esters				
	Reilly Whiteman, Inc.		(1)	(1)	
	Oleic acid, diethanolamine condensate (Ratio = 1/1)	670	19	43	2.28
	Hickson Danchem Corp.				
	Houghton International, Inc.				
	Quaker Chemical Corp.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Witco Corp.				
	Oleic acid, diethanolamine condensate (Ratio = 2/1)				
	Houghton International, inc.	(1)	(1)	(1)	
	Leatex Chemical Co.				
	Mona Industries, Inc.				
	PPG Industries, Inc.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Witco Corp.				
	Oleic acid-ethanolamine condensate, ethoxylated				
	Unichema North America	(1)	(1)	(1)	
	Palm kernel oil acids, diethanolamine condensate (Ratio= 1/1)				
	Karlshamns, USA	(1)	(1)	(1)	
	N,N,N',N'-Pentamethyl-N-(tallow alkyl) trimethylene-bisammonium chloride)				
	Akzo Nobel, Inc				
	Enenco, Inc.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 --Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Jetco Chemicals, Inc.</i>				
	Pheno1,4,4'-(1-methylethylidene)bis-polymer with				
	fchloromethyl oxirane	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Phosphate esters (triesters), mixed	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Polyepichlorhydrin		(1)	(1)	
	<i>Company not disclosed</i>				
	Polyethylene glycol esters of chemically defined acids, all other	1,042	368	689	\$ 1.87
	<i>Akcros Chemicals America</i>				
	<i>Akzo Nobel, Inc</i>				
	<i>C.N.C. International</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Polyethylene glycol esters of mixed acids, all other	(¹)	(¹)	(¹)	
	<i>C.N. C. International</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Houghton International, Inc.</i>				
	<i>Leatex Chemical Co.</i>				
	Polyethylene glycol monopelargonate	(1)	(¹)	(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>SSC Industries, Inc.</i>				
	Polyethylene glycol monostearate	3,101	2,266	5,295	2.34
	<i>C.N. C. International</i>				
	<i>Ca!gene Chemical, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Dexter Chemical Corp.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Gresco, Mfg., Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Hilton Davis Chemical Co.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>ISP Van Dyk, Inc.</i>				
	<i>Karlshamns, USA</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Reilly Whiteman, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Virk/er Co.</i>				
	Polyethylene glycol/polyethylene glycol bisphenol A polymer with terephthalic acid		(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Polyglycerol esters, all other	(¹)	(¹)	(¹)	
	<i>Karlshamns, USA</i>				
	<i>Lonza, Inc.</i>				
	Poly(oxy- 1,2-ethanediy1), -phenylmethyl-	(¹)	(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Propanediol esters, all other	212	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Karlshamns, USA</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 34021350 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Rapeseed acids, diethanolamine condensate (Ratio = 1/1)	(¹)	(¹)	(I)	
	<i>Houghton International, Inc.</i>				
	Soybean oil acids, diethanolamine condensate (Ratio = 1/1)	(¹)	(I)	(¹)	
	<i>Mona Industries, Inc.</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Soybean oil acids, diethanolamine condensate (Ratio = 2/1)	(I)	(¹)	(¹)	
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Stearic acid aminoethanolamine (amine acid ratio = 1.0/1.65)	(¹)	(¹)	(I)	
	<i>C. H. Patrick & Co., Inc.</i>				
	Stearic acid-N-aminoethyl ethanolamine condensate	(¹)	(I)	(I)	
	<i>Boehme Filatex., Inc.</i>				
	<i>High Point Chemical Corp.</i>				
	Stearic acid, diethanolamine condensate (Ratio = 1/1)	67	67	127	1.90
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Marlowe Van Loan Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Stearic acid, diethanolamine condensate (Ratio = 2/1)	(I)	(I)		
	<i>Lonza, Inc.</i>				
	<i>Omega Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Stearic acid, ethanolamine condensate (Ratio = 1/1)	(I)	(¹)	(I)	
	<i>Eastern Color & Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Stearic acid monoethanolamine condensate	(I)	(I)	(¹)	
	<i>ISP Van Dyk, Inc.</i>				
	<i>Witco Corp.</i>				
	Tall oil acids, diethanolamine condensate	309	(I)	(I)	
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>Witco Corp.</i>				
	Tall oil acids, diethanolamine condensate (Ratio = 2/1)	606	590	706	1.20
	<i>Burlington Industries</i>				
	<i>Company not disclosed</i>				
	<i>Eastern Color & Chemical Co.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Mona Industries, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Tall oil acids-dimethylamine condensate (Amine acid ratio = 1/1)	(¹)	(I)	(I)	
	<i>Buckman Laboratories, Inc.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Tall oil fatty acids, ethanolamine condensate (Ratio = 1/2) <i>Houghton International, Inc.</i>	(¹)	(¹)	(¹)	
	Tall oil fatty acids, ethanolamine condensate (Ratio = 1.5/1) <i>Houghton International, Inc.</i>	(¹)	(1)	(1)	
	Tall oil fatty acids, ethanolamine condensate (Ratio = 2.7/1) <i>Houghton International, Inc.</i>	(¹)	(1)	(1)	
	Tall oil fatty acids-triethanolamine condensate <i>Company not disclosed</i>	(¹)	(¹)		
	Tallow acids, diethanolamine condensate <i>Mona Industries, Inc.</i>	(¹)	(1)	(1)	
	Tallow acids, diethanolamine condensate (Ratio = 2/1) <i>ICI Americas, Inc., Specialty Chemicals Div. Mona Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Tallow acids, ethanolamine condensate (Ratio = 1.00/1.65) <i>Yorkshire Pat Chem, Inc.</i>	(¹)	(¹)		
	Tallow, n-3-(dimethylamino)propyl (amine/acid ratio = 1/3) <i>Yorkshire Pat Chem, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	89,369	412,572	123,050	\$ 0.30
340219	Surface-active agents, nesi	(¹)	(¹)	(¹)	
34021910	Aromatic or modified aromatic organic surface-active agents (other than soap) other than anionic, cationic or nonionic	(¹)	(¹)	(¹)	
	Cyclic amphoteric surface-active agents, all other <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Polypropylene glycol, alkoxyated, polymer with maleic anhydride, acrylic acid, and alkylphenol-formaldehyde resin, alkoxyated <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Polypropylene glycol glycerol triether, copolymer with epichlorhydrin bisphenol epoxy resin <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Residual Total		(¹)	(¹)	
34021950	Nonaromatic organic surface-active agents (other than soap) nesi	16,835	17,927	32,828	1.83
	Acyclic amphoteric surface-active agents, all other	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Bis(2-hydroxyethyl)tallowammonium ethanoate <i>Rhone Poulenc, Inc.</i>	(1)	(¹)	(¹)	
	1-Carboxyethyl-1-12-hydroxyethyl-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(¹)	(¹)	
	1-Carboxyethyl-1-12-hydroxyethyl-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	N-12-(Carboxymethylamino)ethyl-N-(2-hydroxyethyl)-coconut oil amide, sodium salt	(1)	(1)	(1)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021950 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Ethox Chemicals, Inc.</i> (Carboxymethyl) 3-(coconut oil amido)propyl dimethylammonium hydroxide, inner salt	10,481	9,998	13,588	\$ 1.36
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	1-Carboxymethyl-1-2-heptadecyl-1-(2-hydroxyethyl)-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt		(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Cocoamidoamphoglycinate	(1)		(1)	
	<i>Mona Industries, Inc.</i>				
	Cocoamidopropyl betaine	(1)	(1)	(1)	
	<i>Croda, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	N-Cocoamido-propyl-N,N-dimethylamine oxide	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	3-13-(Cocoamidopropyl)dimethylammonio-1-2-hydroxypropane sulfonate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Cocoamphocarboxyglycinate		(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Cocoamphocarboxypropionate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Cocoamphopropionate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	3-((Coconut oil alkylamidoethylene-(2-hydroxyethyl)aminolpropionic acid	(1)	(1)		
	<i>Rhone Poulenc, Inc.</i>				
	N-1(Coconut oil alkyl)amino)butyric acid	(1)		(1)	
	<i>Akzo Nobel, Inc.</i>				
	N,N-Dihydroxyethyl tallow glycinate	(1)		(1)	
	<i>Mona Industries, Inc.</i>				
	N-13-1Dimethylamino)propylIcocoamide	(1)	(1)	(1)	
	<i>High Point Chemical Corp.</i>				
	Glycerol, alkoxylated, toluene diisocyanate copolymer	(1)	(1)	(1)	
	<i>Company not disclosed</i>				

See endnotes at and of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021950 —Continued					
	1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-nor-coconut oil fatty acids-2-imidazolinium hydroxide <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	(Mixed alkyl)Sulfobetaine <i>Lonza, Inc.</i> <i>Scher Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)-3-iminodipropionic acid, disodium salt <i>Henkel Corp.</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Residual Total	6,354	7,929	16,512	\$ 2.08
3403	Lubricating preparations (including cutting-oil preparations, bolt or nut release preparations, entrust or anticorrosion preparations and mold release preparations, based on lubricants) and preparations of a kind used for the oil or grease treatment of textile materials, leather, furskins or other materials, but excluding preparations containing, as basic constituents, 70 percent or more by weight	(1)	(1)	(1)	
340319	Preparations, neat, containing petroleum oils or oils obtained from bituminous minerals	(1)	(1)	(1)	
34031900	HTS Level Residual Total	(1)	(1)	(1)	
	Poly-a-olefins <i>Chevron Corp., Chevron Chemical Co.</i> <i>Conoco, Inc.</i> <i>Ethyl Corp.</i> <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	
	Poly-a-olefins, sulfurized <i>BASF Corp, (Parsippany, NJ)</i> <i>Mobil Oil Corp., Chemical Products Div.</i>		(1)	(1)	
	Residual Total	(1)		(1)	
340319XX	HTS Level Residual Total	(1)		(1)	
3403XX	HIS Level Residual Total	(1)		(1)	
34XX	HTS Level Residual Total	(1)		(1)	
35	Albuminoidal substances; modified starches; glues; enzymes	(1)	(1)	(1)	
3505	Dextrins and other modified starches (for example, pregelatinized or esterified starches); glues based on starches, or on dextrins or other modified starches	(1)	(1)	(1)	
360510	Dextrins and other modified starches	(1)	(1)	(1)	
35051000	Dextrins and other modified starches	(1)	(1)	(1)	
	Sodium carboxymethyl amylose <i>Catawba Charlab, Inc.</i>		(1)	(1)	
	Residual Total	(1)	(1)	(1)	
3507	Enzymes; prepared enzymes not elsewhere specified or included	(1)	(1)	(1)	
350710	Rennet and concentrates thereof	(1)	(1)	(1)	
35071000	Rennet and concentrates thereof	(1)	(1)	(1)	
	Rennin <i>Pfizer, Inc.</i>	(1)	(1)		
	Residual Total		(1)	(1)	
350790	Enzymes; prepared enzymes nesl, excluding rennet and concentrates thereof	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales	Value	Average unit value
		1,000 Kilograms	Quantity 1,000 Kilograms	1,000 Dollars	Per kilogram
35079000 Enzymes; prepared enzymes nesi, excluding rennet and concentrates thereof					
	Amylases, all other	(1)	(I)	(I)	
	IBIS Limited Partnership	(1)	(I)	19	
	Bacterial amylase	19	(1)	(9)	
	Genencor International, Inc.				
	IBIS Limited Partnership				
	Novo Nordisk Biochem, Inc.				
	PMP Fermentation Products, Inc.				
	Cellulase	(1)	(I)	I'i	
	Genencor International, Inc.				
	Cholesterol esterase	(1)	(I)	(1)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Cholesterol oxidase	I')	(')	(9)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Glucoamylase	(1)	(I)	(1)	
	Genencor International, Inc.				
	IBIS Limited Partnership				
	Novo Nordisk Biochem, Inc.				
	Glucose isomerase	I'I	(1)	(9)	
	Company not disclosed				
	Glucose oxidase	(I)	I')	19	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	PMP Fermentation Products, Inc.				
	Glycerol kinase	i1)	PI	(I)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Hydrolytic enzyme mixtures	19	(1)	(1)	
	George A. Jeffreys & Co., Inc.				
	Other hydrolytic enzymes	(I)	PI	(1)	
	Company not disclosed				
	IBIS Limited Partnership				
	Lipase	(1)	(1)	(I)	
	Novo Nordisk Biochem, Inc.				
	Protease (bacterial)	I')	(1)	(1)	
	Genencor International, Inc.				
	Novo Nordisk Biochem, Inc.				
	Proteases, all other	(')	(1)	(1)	
	IBIS Limited Partnership				
	Scientific Protein Laboratories				
	Urease	(4	I')	11	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Uricase	I')	(1)	(1)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Residual Total	(1)	(1)	(1)	
	350790XX HTS Level Residual Total	II	(1)	(I)	
38	Miscellaneous chemical products	5,972,029	PI	(')	
3805	Gum, wood or sulfate turpentine and other terpenic oils produced by the distillation or other treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene; pine oiCONTAINING ALPHA-TERPINEOL AS THE MAIN CONSTITUENT	1,754	III	(1)	
380590	Terpenic oils, nesi, produced by treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene	1,754	(1)	(1)	
38059000	Terpenic oils, nesi, produced by treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene	1,754	(1)	(1)	
	Pine oil, natural, sulfate	1,754	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38059000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Arizona Chemical Co.				
	SCM Glidco Organics Corp.				
	Union Camp Corp., BBA Div.				
	Residual Total			(1)	
380590XX	HTS Level Residual Total		(1)	(1)	
3805XX	HIS Level Residual Total		(1)	(1)	
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums	(1)	(1)	(1)	
380610	Rosin	79,628	73,657	66,726	\$ 0.91
38061000	Rosin	79,628	73,657	66,726	0.91
	Modified rosin lunesterified)	79,628	73,657	66,726	0.91
	Akzo Coatings, Inc.				
	Arizona Chemical Co.				
	C. J. Osborn, Chemicals, Inc.				
	Guardsman Products, Inc.				
	Hercules, Inc.				
	Union Camp Corp., Chemical Div.				
	Westvaco Corp.				
380620	Salts of rosin or of resin acids	(1)	(1)	(1)	
38062000	Salts of rosin or of resin acids	(1)	(1)	(1)	
	Calcium resinate	(1)	(1)	(1)	
	Company not disclosed				
	Calcium zinc resinate	(1)	(1)	(1)	
	Arizona Chemical Co.				
	Rosin acid salts, all other	(1)	(1)	(1)	
	Arizona Chemical Co.				
	Georgia Pacific Corp., Resins Inc.				
	Westvaco Corp.				
	Residual Total	(1)	(1)	(1)	
380630	Ester gums	129,228	121,236	183,221	1.51
38063000	Ester gums	129,228	121,236	183,221	1.51
	Modified rosin esters	91,431	86,239	134,817	1.56
	Akzo Coatings, Inc.				
	Arizona Chemical Co.				
	Company not disclosed				
	Georgia Pacific Corp., Resins Inc.				
	Guardsman Products, Inc.				
	Hercules, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Lawter International, Inc.				
	Union Camp Corp., Chemical Div.				
	Westvaco Corp.				
	Rosin esters, unmodified (Ester gums)	37,797	34,997	48,404	1.38
	Akzo Coatings, Inc.				
	Arizona Chemical Co.				
	Hercules, Inc.				
	Union Camp Corp., Chemical Div.				
380690	Resin acids, derivatives of resin acids and rosin, rosin spirit and rosin oils, run gums, nesi	(1)	(1)	(1)	
38069000	Resin acids, derivatives of resin acids and rosin, rosin spirit and rosin oils, run gums, nesi	(1)	(1)	(1)	
	Rosin amines	(1)	(1)	(1)	
	Hercules, Inc.				
	Residual Total	(1)	(1)	(1)	
3806XX	HTS Level Residual Total	(1)	(1)	(1)	
3808	Insecticides, rodenticides, fungicides, herbicides, antispouting products and plantgrowth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur -treated bands, wicks and candles, and flypapers)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
380820	Fungicides, put up for retail sale or as preparations or articles	(1)	(1)		
38082050	Fungicides nesi, put up in forms or packing for retail sale or as preparations or articles	(1)	(1)	(1)	
	Acyclic fungicides, all other	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
380890	Rodenticides, put up for retail sale or as preparations or articles	(1)		(1)	
38089010	Pesticides, nesi, containing any aromatic or modified aromatic pesticides	(1)	(1)	(1)	
	4-14-(acetoxy)phenyl-2-butanone(cuelure)	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	Grandlure	(1)		(1)	
	<i>Company not disclosed</i>				
	Insect attractants, all other	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
3809	Finishing agents, dye carriers to accelerate the dyeing or fixing of dyestuffs and other products and preparations (for example, dressings and mordants), of a kind used in the textile, paper, leather or like industries, not elsewhere specified or included	34,808	32,331	61,786	\$ 1.91
380991	Finishing agents, dye carriers and like products used in dyeing or fixing of dyestuffs, etc., nesi, used in the textile industry	10,537	10,025	26,289	2.62
38099100	Finishing agents, dye carriers and like products, nesi, used in the textile industry	10,537	10,025	26,289	2.62
	N,N-bis-(2-Hydroxyethyl)octadecanamide	(1)	(1)	(1)	
	<i>C.N. C. International</i>				
	N,N-Dibenzylhydroxylamine	(1)		(1)	
	<i>C.N.C. International</i>				
	Dicyanodiamide formaldehyde ammonium chloride polymer	(1)	(1)	(1)	
	<i>C.N. C. International</i>				
	<i>Hickson Danchem Corp.</i>				
	Dimethyloldihydroxyethylene urea	2,466	(1)	(1)	
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>C.N.C. International</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>Synthron, Inc.</i>				
	Hydrogenated tallow fatty acid				
	aminoethylethanolamine condensation products			(1)	
	<i>C.N. C. International</i>				
	Melamine formaldehyde methanol polymer		(1)	(1)	
	<i>C.N.C. International</i>				
	Melamine stearyl alcohol polymer	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	Propoxylated starches	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	2,2',4,4'-Tetrahydroxybenzophenone		(1)		
	<i>BASF Corp, (Parsippany, NJ)</i>				
	Textile chemicals, other than surface active agents, all other	(1)	(1)	(1)	
	<i>BASF Corp, (Parsippany, NJ)</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 38099100 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>C.N. C. International</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	Tri(behenoyloxymethyl)trimethoxymethylmelamine <i>Synthron, Inc.</i>	(¹)	(¹)	(¹)	
	Urea polymers with formaldehyde and methanol <i>C.N.C. International</i>	(¹)	(¹)	(¹)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Residual Total	8,072	10,025	13,098	\$ 1.31
380999	Finishing agents, dye carriers and like products used in dyeing or fixing of dystuffs, etc., and preparations for industries, nesi	24,270	22,306	35,497	1.59
38099910	Finishing agents, dye carriers and other preparations used in other industries, nesi, more than 5% by weight aromatic (or mod.) substance(s)	(¹)	(¹)	(¹)	
	Lauryl alkyl dimethylamine acetate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Lauryl alkyl dimethylamine phosphate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	2-Naphthalenesulfonic acid, formaldehyde condensate and salt <i>Hampshire Chemical Corp., Hampshire Chemicals</i>	(¹)	(1)	(1)	
	1-Phenol-2-sulfonic acid, formaldehyde condensate (Phenol-formaldehyde, sulfonated) <i>BASF Corp, (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>				
	Tanning materials, synthetic, all other <i>BASF Corp, (Parsippany, NJ)</i>	(1)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
38099950	Finishing agents, dye carriers and other preparations used in other industries, nesi, less than 5% by weight aromatic (or mod.) substance(s)	(¹)	(¹)	(¹)	
	Polyoxyalkylated cyclic amines <i>Milliken & Co., Milliken Chemical Div.</i>	(¹)			
	Residual Total	(¹)	(¹)	(¹)	
380999XX	HTS Level Residual Total	24,270	22,306	35,497	1.59
3811	Antiknock preparations, oxidation inhibitors, gum inhibitors, viscosity improvers, anti-corrosive preparations and other prepared additives, for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils	520,551	510,087	915,608	1.80
381119	Antiknock preparations based on other than lead compounds	(¹)	(¹)	(¹)	
38111900	Antiknock preparations based on other than lead compounds	(¹)	(¹)	(1)	
	Gasoline additives, acyclic, all other <i>AMOCO Chemical Co.</i>	156,502	150,424	302,645	2.01
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Company not disclosed</i>				
	<i>Ethyl Corp.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Valero Refining & Marketing Co.</i>				
	Gasoline additives, cyclic, all other <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)		(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38111900 —Continued					
Chemical description/Manufacturer—Continued					
	Texaco Chemical Co.				
	UOP, Inc.				
	Vanderbilt Chemical Corp. (Murray, KY)				
	Residual Total	(1)		(1)	
381121	Additives for lubricating oils containing petroleum oils or oils obtained from bituminous minerals	331,091	(1)	(1)	
38112100	Additives for lubricating oils containing petroleum oils or oils obtained from bituminous minerals	331,091	(1)	(1)	
	Lubricating oil and grease additives, acyclic, all other	139,051	162,841	286,850	\$ 1.76
	Albright & Wilson, Americas, Inc.				
	Company not disclosed				
	Company not disclosed				
	Dow Corning Corp.				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Ethyl Corp.				
	Ferro Corp., Keil Chemical Div.				
	Henkel Corp.				
	Mobil Oil Corp., Chemical Products Div.				
	Quaker Chemical Corp.				
	Salsbury Chemicals, Inc.				
	Texaco Chemical Co.				
	Lubricating oil and grease additives, cyclic, all other	192,040	(1)	(1)	
	Ciba Geigy Corp.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Ethyl Corp.				
	Exxon Chemical Americas				
	Mobil Oil Corp., Chemical Products Div.				
	Residual Total		(1)	(1)	
381190	Prepared additives for mineral oils (incl. gasoline) or other liquids used for the same purposes as mineral oils, nisi	29,260	31,208	80,491	2.58
38119000	Prepared additives for mineral oils (incl. gasoline) or other liquids used for the same purposes as mineral oils, nisi	29,260	31,208	80,491	2.58
	N,N'-Di-sec-butyl-p-phenylenediamine	(1)	(1)	(1)	
	Ethyl Corp.				
	UOP, Inc.				
	Diesel fuel additives, acyclic, all other		(1)	(1)	
	Ethyl Corp.				
	Diesel fuel additives, cyclic, all other		(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Mobil Oil Corp., Chemical Products Div.				
	N,N'-Disalicylidene-1,2-propanediamine	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Ethyl Corp.				
	Ferro Corp., Keil Chemical Div.				
	Fuel additives, acyclic, all other	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Exxon Chemical Americas				
	Morton International, Inc., Morton Chemical Div.				
	Parish Chemical Co.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38119000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>UOP, Inc.</i>				
	Fuel additives, cyclic, all other	(¹)	(¹)	(¹)	
	<i>Ethyl Corp.</i>				
	Rust preventing additives	11	(¹)	(¹)	
	<i>Alox Corp.</i>				
	Residual Total	29,260	31,208	80,491	\$ 2.58
3812	Prepared rubber accelerators; compound plasticizers for rubber or plastics, not elsewhere specified or included; antioxidizing preparations and other compound stabilizers for rubber or plastics	(¹)	(¹)	(¹)	
381210	Prepared rubber accelerators	(¹)	(¹)	(¹)	
38121010	Prepared rubber accelerators containing any aromatic or modified aromatic rubber accelerator nesi		(1)	(1)	
	Accelerators, activators, and vulcanizing agents, cyclic, other	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Bisphenol, hindered	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	n-Butyraldehyde-aniline condensate	(¹)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Diarylenediamines, mixed	(¹)	(1)	(1)	
	<i>Goodyear Tire & Rubber Co.</i>				
	Residual Total	(1)	(1)	(1)	
38121050	Prepared rubber accelerators not containing any aromatic or modified aromatic rubber accelerator nesi	(¹)	151	2,460	16.26
	Accelerators, activators, and vulcanizing agents, acyclic, other	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Aldehyde and acetone-amine reaction products, cyclic, other	(1)	(1)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Aldehyde-amine reaction products, cyclic, other		(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Dialkyldithiocarbamic acid derivative	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Diethyldithiocarbamic acid, cadmium salt and bis (diethylthiocarbamoyl)disulfide, mixture		(1)	(¹)	
	<i>Company not disclosed</i>				
	Residual Total	(¹)	151	2,460	16.26
381220	Compound plasticizers for rubber or plastics				
38122010	Compound plasticizers for rubber or plastics containing any aromatic or modified aromatic plasticizer nesi		(¹)	(¹)	
	Diphenylamine-acetone condensate	(¹)		(¹)	
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
381230	Antioxidizing preparations and other compound stabilizers for rubber or plastics	28,967	23,272	89,962	3.87
38123040	Compound stabilizers for rubber or plastics containing any aromatic or modified aromatic antioxidant or other stabilizer, nesi	28,967	23,272	89,962	3.87
	Alkylaryl-p-phenylenediamines	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38123040 —Continued					
Chemical description/Manufacturer—Continued					
	Alkylaryl phosphites mixed <i>Ferro Corp., Bedford Chemical Div.</i> <i>General Electric Co., Plastics Div.</i>	(1)	(1)	(1)	
	Phenol, alkylated <i>B F Goodrich Co.</i> <i>Company not disclosed</i> <i>Cytec Industries</i> <i>Goodyear Tire & Rubber Co.</i>	(1)	(1)	(1)	
	Phenol, hindered <i>Goodyear Tire & Rubber Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Phenol, styrenated, mixtures <i>Company not disclosed</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Rubber-processing chemicals, cyclic, all other <i>Ferro Corp., Bedford Chemical Div.</i>	(1)	(1)	(1)	
	Waxes and paraffinic products <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(1)	(1)	(1)	
	Residual Total	28,967	23,272	89,962	\$ 3.87
3813	Preparations and charges for fire extinguishers; charged fire-extinguishing grenades	(1)	(1)	(1)	
381300	Preparations and charges for fire extinguishers; charged fire-extinguishing grenades	(1)	(1)	(1)	
38130050	Preparations and charges for fire-extinguishers; charged fire-extinguishing grenades; nesi Trimethoxyboroxine <i>Company not disclosed</i>	(1) (1)	(1) (1)	(1) (1)	
	Residual Total	(1)	(1)	(1)	
3814	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers	(1)	(1)	(1)	
381400	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers	(1)	(1)	(1)	
38140050	Organic composite solvents and thinners, nesi; prepared paint or varnish removers; nesi Polyglycols, ethylene glycol and glycol ether, mixed <i>Company not disclosed</i> <i>Hoechst Celanese Corp., Chemical Group, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1) (1)	(1) (1)	(1) (1)	
	Residual Total	(1)	(1)	(1)	
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included		(1)	(1)	
381590	Reaction initiators, reaction accelerators and catalytic preparations except supported catalysts	(1)	(1)	(1)	
38159050	Reaction initiators, reaction accelerators and catalytic preparations, nesi tert-Butyl peroxy-2-ethylhexanoate <i>Aztec Catalyst Co.</i> <i>Elf Atochem North America, Inc.</i> <i>Witco Corp.</i>	(1) (1)	(1) (1)	(1) (1)	
	tert-Butyl peroxyisobutyrate <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	tert-Butyl peroxyisovalate <i>Aztec Catalyst Co.</i> <i>Elf Atochem North America, Inc.</i>	3,305	2,867	12,071	4.21

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38159050 —Continued					
Chemical description/Manufacturer—Continued					
	Witco Corp.				
	N,N,N',N'-Tetramethy1-1,3-butanediamine	(¹)	(¹)	I)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Triethylaluminum	(¹)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Ethyl Corp.				
	Tri-n-hexyl aluminum	(¹)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Ethyl Corp.				
	Triisobutylaluminum	(¹)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Ethyl Corp.				
	Zinc 2-ethylhexanoate	801	233	822	\$ 3.52
	Akcros Chemicals America				
	Ferro Corp., Bedford Chemical Div.				
	Huls America, Inc.				
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Vanderbilt Chemical Corp. (Bethel, CT)				
	Witco Corp.				
	Residual Total	(¹)		(¹)	
3822	Composite diagnostic or laboratory reagents, other than those of heading 3002 or 3006	(¹)	(¹)	(¹)	
382200	Composite diagnostic or laboratory reagents, other than those of heading 3002 or 3006	(¹)		(¹)	
38220050	Composite diagnostic or laboratory reagents, nesi	(¹)	(¹)	(¹)	
	Biological stains	(¹)	(¹)	(¹)	
	Aldrich Chemical Co., Inc.				
	Chemical indicators		(¹)	(¹)	
	Aldrich Chemical Co., Inc.				
	Eastman Kodak Co.				
	GFS Chemicals, Inc.				
	Vanderbilt Chemical Corp. (Murray, KY)				
	Chemical reagents and fine chemicals	1,085	1,013	83,218	82.12
	Aldrich Chemical Co., Inc.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Eastman Kodak Co.				
	Exxon Chemical Americas				
	GFS Chemicals, Inc.				
	Parish Chemical Co.				
	Pfanstiehl Laboratories, Inc.				
	Pharmacia P L Biochemicals, Inc.				
	Pierce Chemical Co.				
	RSA Corp.				
	UOP, Inc.				
	Residual Total	I)		(¹)	
3823	Prepared binders for foundry molds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included; residual products of the chemical or allied industries, not elsewhere specified or included	5,098,059	2,566,865	1,376,337	0.54
382320	Naphthenic acids, their water-insoluble salts, and their esters, nesi	9,415	7,254	22,293	3.07
38232000	Naphthenic acids, their water insoluble salts, and their esters	9,415	7,254	22,293	3.07

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 38232000 —Continued</i>					
	Cadmium naphthenate <i>Akcros Chemicals America</i>		(¹)	(¹)	
	Calcium naphthenate <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(¹)	(¹)	(¹)	
	Chromium naphthenate <i>Mooney Chemicals, Inc.</i>	(¹)	(1)	(¹)	
	Cobalt naphthenate <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i> <i>Troy Chemical Corp.</i>	(¹)	(¹)	(1)	
	Iron naphthenate <i>HuIs America, Inc.</i> <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Lead naphthenate <i>Akcros Chemicals America</i> <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Manganese naphthenate <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(¹)	(¹)	(¹)	
	Naphthenate driers, mixed salts <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Naphthenic acid, acid number 150-199 <i>Merichem Co.</i>	(¹)	(¹)	(¹)	
	Naphthenic acid, acid number 200-224 <i>HEW, Inc.</i> <i>Merichem Co.</i>	(¹)	(¹)	(¹)	
	Paint dryers, naphthenic acid salts, all other <i>Mooney Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Rare earths naphthenate <i>Huls America, Inc.</i>	(¹)		(¹)	
	Vanadyl naphthenate <i>Shepherd Chemical Co.</i>		(¹)	(¹)	
	Zinc naphthenate <i>Huls America, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Troy Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	9,415	7,254	13,123	\$ 1.81
382390	Chemical products, preparations, or residuals of the chemical or allied industries, nes(5,088,643	2,559,611	1,354,044	0.53
38239045	Mixtures nesi, that are in whole or in part of hydrocarbons derived in whole or in part from petroleum, shale oil or natural gas	3,810,596	1,715,352	509,014	0.30
	Carbon black feedstock <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Hexenes, mixed <i>Exxon Chemical Americas</i>	(1)	(¹)	(¹)	
	Hydrocarbons, C ₄ , all other <i>Ethyl Corp.</i> <i>Mobil Oil Corp., Gas Liquids Dept.</i> <i>Texaco Chemical Co.</i>		29,554	5,605	0.19
	Hydrocarbons, cs, all other <i>Exxon Chemical Americas</i>	431,846	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239045 ---Continued					
Chemical description/Manufacturer—Continued					
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Hydrocarbons, C ₆ , all other	(1)	(1)		
	<i>Diamond Shamrock Refining Co., L.P.</i>				
	<i>Ethyl Corp.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Uno Ven Co.</i>				
	Hydrocarbons, C ₇ , all other	(1)		(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Phillips Puerto Rico Core, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Uno Ven Co.</i>				
	Hydrocarbons, C ₈ , all other	26,373	(1)	(1)	
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Uno Ven Co.</i>				
	Hydrocarbons, C ₉ and above, all other, including mixtures	496,046	(1)	(1)	
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Ethyl Corp.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Phillips 66 Co.</i>				
	<i>Vista Chemical Co.</i>				
	Hydrocarbons, C ₂ -C ₃ mixtures	(1)	(1)	(1)	
	<i>Citgo Petroleum Corp.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	Hydrocarbons, C ₃ -C ₆ mixtures	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	Hydrocarbons, C ₃ -C ₄ mixtures	(1)	(1)	(1)	
	<i>Oxy Petrochemicals, Inc.</i>				
	Hydrocarbons, C ₈ fraction	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	Hydrocarbons, C ₈ mixtures	(1)	(1)	(1)	
	<i>Phibro Refining</i>				
	Hydrocarbons, C ₈ mixtures	(1)	(1)	(1)	
	<i>Lyondell Petrochemical Co.</i>				
	Octenes, mixed	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	n-Paraffins, other	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Vista Chemical Co.</i>				
	n-Paraffins, C ₁₀ -C ₁₁	(1)	(1)	(1)	
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Uno Ven Co.</i>				
	n-Paraffins, C ₅ -C ₉		(1)	(1)	
	<i>Phibro Refining</i>				
	<i>Uno Ven Co.</i>				
	n-Paraffins, C ₃ -C ₁₃	207,743	(1)	(1)	
	<i>Phibro Refining</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Uno Ven Co.</i>				
	Pentenes, mixed	(1)	(1)	(1)	
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	<i>Phillips 66 Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 38239045 — Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Shell Oil Co.				
	Texaco Chemical Co.				
	Polyoxyethylenedimethylimino]ethylene (dimethylimino)ethylene dichloride]	(1)	(1)	(1)	
	Buckman Laboratories, Inc.				
	Residual Total	2,648,587	1,685,797	503,410	\$ 0.30
38239050	Chemical products, preparations, and residual products of the chemical or allied industries, nesi	1,278,048	844,259	845,029	1.00
	Acrylic monomers	(1)	(1)	(1)	
	BASF Corp, (Parsippany, NJ)				
	Alcohol mixtures, other	(1)	(1)		
	Exxon Chemical Americas				
	Henkel Corp.				
	Vista Chemical Co.				
	Alcohol mixtures, C-19 and C-20 only	(1)	(1)	(1)	
	Vista Chemical Co.				
	Alcohol mixtures, C-11 or lower only	34,112	43,577	39,987	0.92
	BASF Corp, (Parsippany, NJ)				
	Ethyl Corp.				
	Exxon Chemical Americas				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Vista Chemical Co.				
	Alcohol mixtures, C-12 through C-18 only	303,689	79,735	95,545	1.20
	Ethyl Corp.				
	Henkel Corp.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Shell Oil Co., Shell Chemical Co.				
	Vista Chemical Co.				
	Alcohols, monohydric, and their esters, C8 and higher	(1)	(1)	(1)	
	Eastman Kodak Co., Texas Eastman Co. Div.				
	t-Alkylamines, primary, mixed	(1)	(1)	(1)	
	Lonza, Inc.				
	Rohm & Haas Co.				
	Alkylphenol, calcium salt, sulfurized	(1)	(1)	(1)	
	Dixie Chemical Co., Inc.				
	Bacillus thuringiensis	(1)	(1)	(1)	
	Abbott Laboratories				
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	Sandoz Agro, Inc.				
	Blend of fatty and phosphate esters	(1)	(1)		
	Milliken & Co., Milliken Chemical Div.				
	Butanol residue stream	(1)	(1)	(1)	
	Poly Organix, Inc.				
	Butyl formcel	(1)	(1)	(1)	
	Hoechst Celanese Corp., Chemical Group, Inc.				
	Diisobutylene polysulfide	(1)	(1)	(1)	
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Di-tertiary nonylpolysulfide	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Quaker Chemical Corp.				
	Fatty acid polyamine condensate	(1)	(1)	(1)	
	Chevron Corp., Chevron Chemical Co.				
	Fatty acid residues	63,348	26,506	2,775	0.10
	Arizona Chemical Co.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239050 —Continued					
Chemical description/Manufacturer—Continued					
	Lonza, Inc. Synthetic Products Co. Unichema North America				
	Fatty alcohols, C ₈ -C ₃₀ Vista Chemical Co.	(¹)	(¹)	(¹)	
	Gluconic acid and salts, mixed PMP Fermentation Products, Inc.	(1)	(1)	(1)	
	Glycol residues Olin Corp.	(¹)	(¹)	(¹)	
	Hydrocarbon carboxylic acid derivatives (specify) Company not disclosed Company not disclosed Ferro Corp., Keil Chemical Div. Henkel Corp.	(¹)	(¹)	(¹)	
	Methyl formcel Hoechst Celanese Corp., Chemical Group, Inc. Huts America, Inc.	(¹)	(¹)	(¹)	
	Mixed alcohol borates Company not disclosed	(¹)	(¹)	(¹)	
	Mixed t-a-alkylcarboxylic acid salts Mooney Chemicals, Inc.	(¹)	(¹)	(¹)	
	Mixed dialkyl hydrogen phosphates, amine salts. Elco Corp. sub. of Detrex Chemical Industries, Inc.	(1)	(1)	(1)	
	Mixtures not specifically itemized, all other Arizona Chemical Co. Company not disclosed Eastman Kodak Co., Tennessee Eastman Co. Div. Elf Atochem North America, Inc. Exxon Chemical Americas Harcros Chemicals, Inc. Hoechst Celanese Corp., Chemical Group, Inc. Monsanto Co. Olin Corp. Oxy Petrochemicals, Inc. Union Camp Corp., BSA Div.	(¹)	(1)	(1)	
	Mixtures of alcohols, C ₁₂ and higher, other Exxon Chemical Americas Vista Chemical Co.	(1)	(¹)	(¹)	
	Oil-soluble petroleum sulfonate, all other E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Ethyl Corp. Monsanto Co. Texaco Chemical Co. Witco Corp.	(¹)	(1)	(1)	
	Oil-soluble petroleum sulfonate, barium salt Company not disclosed Ethyl Corp. Witco Corp.		(¹)	(¹)	
	Oil-soluble petroleum sulfonate, calcium salt Chevron Corp., Chevron Chemical Co. Company not disclosed Company not disclosed Ethyl Corp. Texaco Chemical Co. Witco Corp.	136,329	113,924	171,815	\$ 1.51
	Oil-soluble petroleum sulfonate, magnesium salt Company not disclosed	(¹)	(¹)	(¹)	
	Oil-soluble petroleum sulfonate, mixed salts	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Oil-soluble petroleum sulfonate, sodium salt <i>Pennzoil Products Co., Penreco Div. Witco Corp.</i>	(¹)	(¹)	(¹)	
	Oleamidopropyl betaine <i>Rhone Poulenc, Inc.</i>	(9)	(¹)	(¹)	
	Oxidized hydrocarbon mixture <i>A/ox Corp. Ferro Corp., Keil Chemical Div.</i>	(9)		(¹)	
	Pentaerythritol esters <i>Ferro Corp., Keil Chemical Div.</i>	(¹)	(¹)	(¹)	
	Pine oil, synthetic <i>Arizona Chemical Co. SCM Glidco Organics Corp. Union Camp Corp., BBA Div.</i>	17,244	16,928	18,575	\$ 1.10
	Polyamines <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Trimethylol propane ester <i>Henkel Corp.</i>	(1)	(¹)	(¹)	
	Very high molecular weight (>1000) hydrocarbons <i>Company not disclosed</i>	(¹)		(¹)	
	Residual Total	723,326	563,590	464,657	0.82
38XX	HTS Level Residual Total	4,730	(9)	(¹)	
39	Plastics and articles thereof	33,972,591	(9)		
3901	Polymers of ethylene, in primary forms	(¹)	(¹)	(¹)	
390110	Polyethylene having a specific gravity of less than 0.94	5,212,936	5,255,978	4,027,821	0.77
39011000	Polyethylene having a specific gravity of less than 0.94, in primary forms	5,212,936	5,255,978	4,027,821	0.77
	Specific gravity 0.940 and below	3,268,493	2,938,363	2,414,604	0.82
	<i>Allied Signal, Inc., Engineered Materials Sector Chevron Corp., Chevron Chemical Co. Dow Chemical Co. E.I. Dupont de Nemours & Co., Inc., Polymer Products Eastman Kodak Co., Tennessee Eastman Co. Div. Eastman Kodak Co., Texas Eastman Co. Div. Exxon Chemical Americas Lyondell Petrochemical Co. Mobil Oil Corp., Petrochemicals Div. National Starch & Chemical Co. Quantum Chemical Corp., USI Div. Rexene Corp. Sequa Chemicals, Inc. Union Carbide Corp., Industrial Chemicals Div. Westlake Corp.</i>				
	Specific gravity 0.940 and below, linear	1,944,443	2,317,615	1,613,217	0.70
	<i>Chevron Corp., Chevron Chemical Co. Dow Chemical Co. Exxon Chemical Americas Himont, USA, Inc. Mobil Oil Corp., Petrochemicals Div. Quantum Chemical Corp., USI Div. Solvay Polymers Inc. Union Carbide Corp., Industrial Chemicals Div. Westlake Corp.</i>				
390120	Polyethylene having a specific gravity of 0.94 or more	4,420,351	4,433,046	3,455,413	0.78
39012000	Polyethylene having a specific gravity of 0.94 or more, in primary forms	4,420,351	4,433,046	3,455,413	0.78

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 39012000 —Continued					
	Specific gravity over 0.940 <i>Chevron Corp., Chevron Chemical Co.</i> <i>Dow Chemical Co.</i> <i>Exxon Chemical Americas</i> <i>Fina Oil & Chemical Co.</i> <i>Himont, USA, Inc.</i> <i>Mobil Oil Corp., Petrochemicals Div.</i> <i>Occidental Chemical Corp., Polymers and Plastics Group</i> <i>Paxon Polymer Co., L.P.</i> <i>Phillips 66 Co.</i> <i>Quantum Chemical Corp., USI Div.</i> <i>Solvay Polymers Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	4,420,351	4,433,046	3,455,413	\$ 0.78
390130	Ethylene-vinyl acetate copolymers	203,034	186,700	201,805	1.08
39013000	Ethylene-vinyl acetate copolymers, in primary forms	203,034	186,700	201,805	1.08
	Ethylene-vinyl acetate (EVA) copolymer resins <i>Exxon Chemical Americas</i> <i>National Starch & Chemical Co.</i> <i>Quantum Chemical Corp., US/ Div.</i> <i>Reichhold Chemicals, Inc.</i>	203,034	186,700	201,805	1.08
390190	Polymers of ethylene, in primary forms, nesi	(¹)	(¹)	(¹)	
39019010	Polymers of ethylene, nesi, in primary forms, elastomeric	87,464	70,949	234,090	3.30
	Chlorosulfonated polyethylene (CSM) type <i>Dow Chemical Co.</i> <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(¹)	(¹)	
	Thermoplastic olefin elastomers <i>Advanced Elastomer Systems, L.P.</i> <i>Dow Chemical Co.</i>	(¹)			
	Residual Total	87,464	70,949	234,090	3.30
39019050	Polymers of ethylene, nesi, in primary forms, other than elastomeric	(¹)	(¹)	(¹)	
	Other ethylene copolymer resins <i>BASF Corp, (Parsippany, NJ)</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Dow Chemical Co.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Eva/ Company of America</i> <i>Exxon Chemical Americas</i> <i>Sequa Chemicals, Inc.</i> <i>Zeeland Chemical, Inc.</i>	116,333	102,287	196,978	1.93
	Expandable polyethylene beads <i>Kaneka Texas Corp.</i>		(1)	(1)	
	Residual Total		1 ¹)		
3902	Polymers of propylene or of other olefins, in primary forms	(¹)	(1)	(¹)	
390210	Polypropylene	3,243,811	3,157,891	2,026,426	0.64
39021000	Polypropylene, in primary forms	3,243,811	3,157,891	2,026,426	0.64
	Polypropylene resins <i>AMOCO Chemical Co.</i> <i>Aristech Chemical Corp.</i> <i>BASF Corp, (Parsippany, NJ)</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i> <i>Epsilon Products Co.</i>	3,243,811	3,157,891	2,026,426	0.64

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39021000 —Continued					
Chemical description/Manufacturer—Continued					
	Exxon Chemical Americas Fine Oil & Chemical Co. Himont, USA, Inc. Huntsman Chemical Corp. Phillips 66 Co. Quantum Chemical Corp., US/ Div. Rexene Corp. Shell Oil Co., Shell Chemical Co. Solvay Polymers Inc.				
390230	Propylene copolymers	(¹)	(¹)	(¹)	
39023000	Propylene copolymers, in primary forms	(¹)	(¹)	(¹)	
	Ethylene-propylene copolymer	(¹)	(¹)	(¹)	
	Texaco Chemical Co.				
	Expandable polypropylene beads	(¹)	(¹)	(¹)	
	Kaneka Texas Corp.				
	Propylene copolymers	508,112	488,658	322,629	\$ 0.66
	Epsilon Products Co. Exxon Chemical Americas Himont, USA, Inc. Lyondell Petrochemical Co. Milliken & Co., Milliken Chemical Div. Solvay Polymers Inc.				
	Residual Total	(1)	(1)	(¹)	
390290	Polymers of propylene or of other olefins, in primary forms, noel	(¹)	124,975	189,743	1.52
39029000	Polymers of propylene or of other olefins, nesl, in primary forms	(¹)	124,975	189,743	1.52
	Polybutadiene resins	(1)	(1)	(¹)	
	Conap, Inc. Elf Atochem North America, Inc. Lord Corp., Chemical Products Div. Ricon Resins, Inc.				
	Polybutylene type resins		(¹)	(¹)	
	AMOCO Chemical Co. Exxon Chemical Americas Shell Oil Co., Shell Chemical Co.				
	Residual Total	(1)	124,975		
390290XX	HTS Level Residual Total	(1)			
3902XX	HTS Level Residual Total	(¹)			
3903	Polymers of styrene, in primary forms	(¹)	(¹)	(¹)	
390311	Polystyrene, expandable	352,373	271,332	312,999	1.15
39031100	Polystyrene, expandable, in primary forms	352,373	271,332	312,999	1.15
	Expandable polystyrene beads	352,373	271,332	312,999	1.15
	Atlantic Richfield Co., ARCO Chemical Co. BASF Corp, (Parsippany, NJ) Dart Polymers, Inc., sub. of Dart Container Corp. Dow Chemical Co. Huntsman Chemical Corp. Scott Polymers, Inc.				
390319	Polystyrene, other than expandable	2,280,815	1,888,140	1,676,529	0.89
39031900	Polystyrene, other than expandable, in primary forms	2,280,815	1,888,140	1,676,529	0.89
	Rubber modified polystyrene	1,063,335	987,508	938,790	0.95
	AMOCO Chemical Co. American Polymers, Inc. BASF Corp, (Parsippany, NJ) Dart Polymers, Inc., sub. of Dart Container Corp. Dow Chemical Co.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39031900 —Continued					
Chemical description/Manufacturer—Continued					
	Fine Oil & Chemical Co. Huntsman Chemical Corp. Novacor Chemicals, Inc.				
	Straight polystyrene	1,217,480	900,632	737,740	\$ 0.82
	AMOCO Chemical Co. American Polymers, Inc. Atlantic Richfield Co., ARCO Chemical Co. BASF Corp, (Parsippany, NJ) Chevron Corp., Chevron Chemical Co. Dart Polymers, Inc., sub. of Dart Container Corp. Deltech Corp. Dow Chemical Co. Fine Oil & Chemical Co. Hercules, Inc. Huntsman Chemical Corp. Kama Corp. Novacor Chemicals, Inc. Packaging Corp. of America Scott Polymers, Inc.				
390320	Styrene-acrylonitrile(SAN) copolymers	(¹)	(¹)	(¹)	
39032000	Styrene-acrylonitrile (SAN) copolymers, in primary forms	(1)	(¹)	(¹)	
	Styrene-acrylonitrile copolymer resins (SAN) Dow Chemical Co. Hampshire Chemical Corp., Chem. & Polymers Monsanto Co. Zeneca, Inc., Resins Div.	(1)	(¹)		
390330	Acrylonitrile-butadiene-styrene(ABS) copolymers	644,532	591,192	1,045,827	1.77
39033000	Acrylonitrile-butadiene-styrene (ABS) copolymers, in primary forms	644,532	591,192	1,045,827	1.77
	Acrylonitrile-butadiene-styrene (ABS) terpolymer resins Diamond Polymers, Inc. Dow Chemical Co. General Electric Co., Plastics Div. Monsanto Co.	644,532	591,192	1,045,827	1.77
390390	Polymers of styrene, in primary forms, nesi	729,831	897,539	1,484,177	1.65
39039010	Methyl methacrylate-butadiene-styrene (MBS) copolymers, in primary forms	45,762	80,783	180,678	2.24
	Methyl methacrylate-butadiene styrene (MBS) resins CYRO Industries Kaneka Texas Corp. Rohm & Haas Co.	45,762	80,783	180,678	2.24
39039050	Polymers of styrene, nesi, in primary forms	684,069	816,756	1,303,499	1.60
	Acrylic-styrene-acrylonitrile Firestone Tire & Rubber Co., Synth. Rubber & Latex Co. General Electric Co., Plastics Div. Monsanto Co.	10,059	11,209	32,735	2.92
	a-Methyl styrene polymers AMOCO Chemical Co. Air Products & Chemicals, Inc. Cello Corp. Cook Composites and Polymers Co. S C Johnson & Son, Inc.	13,914	10,914	18,344	1.68
	Styrene-acrylate copolymers or terpolymers Alco Chemical Cello Corp.	(¹)	(1)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39039050 —Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	Lawter International, Inc.				
	Rhone Poulenc, Inc.				
	S C Johnson & Son, Inc.				
	Styrene-ally) alcohol copolymer resins	(1)	(1)	(1)	
	Hercules, Inc.				
	Monsanto Co.				
	Styrene block copolymers		(1)	(1)	
	Dexco Polymers				
	Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.				
	Shell Oil Co., Shell Chemical Co.				
	Styrene-butadiene latexes	206,416	359,165	381,834	\$ 1.06
	Dow Chemical Co.				
	Goodyear Tire & Rubber Co.				
	Hampshire Chemical Corp., Chem. & Polymers				
	Morton International, Inc., Morton Chemical Div.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Rohm & Haas Co.				
	Styrene copolymers, all other	127,733	140,544	211,730	1.51
	Air Products & Chemicals, Inc.				
	Allied Colloids, Inc.				
	Arizona Chemical Co.				
	Atlantic Richfield Co., ARCO Chemical Co.				
	Company not disclosed				
	Goodyear Tire & Rubber Co.				
	H.B. Fuller Co.				
	Hercules, Inc.				
	Lawter International, Inc.				
	Monsanto Co.				
	Phillips 66 Co.				
	Sequa Chemicals, Inc.				
	Sybron Chemicals, Inc.				
	Styrene latexes, all other	(1)	(1)	(1)	
	Ameripol Synpol Co., Div. of Gantrade Corp.				
	Anderson Development Co.				
	Hampshire Chemical Corp., Chem. & Polymers				
	Union Carbide Corp., Industrial Chemicals Div.				
	Styrene-maleic anhydride copolymer resins	40,725	39,557	89,867	2.27
	Atlantic Richfield Co., ARCO Chemical Co.				
	Company not disclosed				
	Dixie Chemical Co., Inc.				
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Elf Atochem North America, Inc.				
	Monsanto Co.				
	Styrene-methyl methacrylate copolymer resins	(1)	(1)	(1)	
	Anderson Development Co.				
	Novacor Chemicals, Inc.				
	Rohm & Haas Co.				
	Zeon Chemicals, Inc.				
	Styrene type plastics materials,all other		(1)	(1)	
	Ferro Corp., Keil Chemical Div.				
	ISP Chemicals, Inc.				
	Rohm & Haas Co.				
	Zeneca, Inc., Resins Div.				
	Residual Total	285,221	255,368	549,423	2.15
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary forms	4,458,862	4,167,043	3,616,309	0.87

See endnotes at end of table.

Table 3-1 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
390421	Polyvinyl chloride, mixed with other substances, nonplasticized	4,300,818	4,045,500	2,987,181	\$ 0.74
39042100	Polyvinyl chloride, mixed with other substances, nonplasticized, in primary forms	4,300,818	4,045,500	2,987,181	0.74
	Polyvinyl chloride homopolymer resins	4,300,818	4,045,500	2,987,181	0.74
	<i>B F Goodrich Co.</i>				
	<i>Borden Chemical & Plastics Delaware, L.P.</i>				
	<i>Certainfeed Corp.</i>				
	<i>Formosa Plastics Corp., Louisiana</i>				
	<i>Geon Co.</i>				
	<i>Georgia Gulf Corp., PVC Compound Div.</i>				
	<i>Georgia Gulf Corp., Plaquemine Div.</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Keysor Century Corp.</i>				
	<i>Occidental Chemical Corp., Polymers and Plastics Group</i>				
	<i>Shintech, Inc.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Vygen Corp.</i>				
	<i>Westlake Corp.</i>				
390440	Vinyl chloride copolymers nesi	91,734	70,374	134,719	1.91
39044000	Vinyl chloride copolymers nesi, in primary forms	91,734	70,374	134,719	1.91
	Polyvinyl chloride copolymer resins, all other	91,734	70,374	134,719	1.91
	<i>Borden Chemical & Plastics Delaware, L.P.</i>				
	<i>Geon Co.</i>				
	<i>Keysor Century Corp.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
390450	Vinylidene chloride polymers nesi	40,075	25,842	60,406	2.34
39045000	Vinylidene chloride polymers, in primary forms	40,075	25,842	60,406	2.34
	Latex type polyvinylidene chloride resins	40,075	25,842	60,406	2.34
	<i>B F Goodrich Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Hampshire Chemical Corp., Chem. & Polymers</i>				
	<i>Rohm & Haas Co.</i>				
390461	Polytetrafluoroethylene (PTFE)	(¹)	(¹)	(¹)	
39046100	Polytetrafluoroethylene IPTFE), in primary forms	(¹)	(¹)	(¹)	
	Polytetrafluoroethylene (PTFE)	(¹)	(¹)	(¹)	
	<i>Ausimont USA, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>IC! Americas, Inc. Fluoropolymers Div.</i>				
	Residual Total	(1)	(1)	(¹)	
390469	Fluoropolymers, nesi	13,873	14,412	275,332	19.10
39046950	Fluoropolymers, other than elastomeric and other than polytetrafluoroethylene, in primary forms	13,873	14,412	275,332	19.10
	Fluorocarbon resins, all other	13,873	14,412	275,332	19.10
	<i>Ausimont USA, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Elf Atochem North America, Inc.</i>				
390490	Polymers of vinyl chloride or of other halogenated olefins, in primary forms, nesi	(1)	(1)	(1)	
39049050	Polymers of vinyl chloride or of other halogenated olefins, nesi, in primary forms, other than elastomeric, in primary forms	(¹)	(¹)	(¹)	
	Chlorinated polyolefins, thermoplastic	(1)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total	(¹)	(¹)	(1)	
3904XX	HTS Level Residual Total	12,362	10,915	158,671	14.54
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
390519	Polymers of vinyl acetate, other than in aqueous dispersion	309,934	239,658	609,147	\$ 2.54
39051900	Polymers of vinyl acetate, other than in aqueous dispersion, in primary forms	309,934	239,658	609,147	2.54
	Polyvinyl acetate resins	309,934	239,658	609,147	2.54
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Franklin International, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>H.B. Fuller Co.</i>				
	<i>Hampshire Chemical Corp., Chem. & Polymers</i>				
	<i>McWhorter, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>National Starch & Chemical Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
390520	Polyvinyl alcohols, whether or not containing unhydrolyzed acetate groups	(¹)	(¹)	(¹)	
39052000	Polyvinyl alcohols, whether or not containing unhydrolyzed acetate groups, in primary forms	(¹)	(¹)	(¹)	
	Polyvinyl alcohol resins	(¹)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
390590	Polymers of vinyl acetate or esters, in primary forms or vinyl polymers in primary forms, nesi	273,177	278,408	386,195	1.39
39059010	Polymers of vinyl esters, in primary forms, cont. 50% or more of derivatives of vinyl acetate	(¹)	(¹)		
	Polyvinyl butyral resins	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	Vinyl acetate-acrylate copolymers	215,369	216,877	173,337	0.80
	<i>ADCO Chemical Co.</i>				
	<i>Franklin International, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>H.B. Fuller Co.</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>Insilco Corp., Sinclair Paint Co., Div.</i>				
	<i>Kelly Moore Paint Co., Inc.</i>				
	<i>National Casein Co.</i>				
	<i>National Casein of New Jersey</i>				
	<i>Para Chem Southern, Inc.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	1-Vinyl-2-pyrrolidinone--vinyl acetate copolymer	(¹)	(¹)	(¹)	
	<i>ISP Chemicals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
39059050	Polymers of vinyl esters, in primary forms; other vinyl polymers, in primary forms, nesi	(¹)	(¹)		
	2-Butenedioic, monoethyl ester, polymer with methoxyethene	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39059050 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Gillette Chemical Co.</i>				
	Crosslinked vinyl-phenol-isocyanate resins	482		(1)	
	<i>Phelps Dodge Magnet Wire Co.</i>				
	<i>Synthron, Inc.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
	Polyvinyl-0-sulfobenzal)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	1-Vinyl-2-pyrrolidinone--other copolymers		(1)	(1)	
	<i>ISP Chemicals, Inc.</i>				
	1-Vinyl-2-pyrrolidinone, copolymers with vinyl acetate	(1)	(1)		
	<i>Hickson Danchem Corp.</i>				
	1-Vinyl-2-pyrrolidinone-methylacrylic acid, dimethylamine ethyl ester, copolymer	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>ISP Chemicals, Inc.</i>				
	1-Vinyl-2-pyrrolidinone, polymers	(1)	(1)		
	<i>Hickson Danchem Corp.</i>				
	<i>ISP Chemicals, Inc.</i>				
	Vinyl resins, all other	10,242	(1)	(1)	
	<i>H.B. Fuller Co.</i>				
	<i>Hickson Danchem Corp.</i>				
	<i>P.D. George Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)		(1)	
3906	Acrylic polymers in primary forms	(1)		(1)	
390610	Polymethyl methacrylate	200,579	87,029	207,694	\$ 2.39
39061000	Polymethyl methacrylate, in primary forms	200,579	87,029	207,694	2.39
	Polymethyl methacrylate (PMMA)	200,579	87,029	207,694	2.39
	<i>Aristech Chemical Corp.</i>				
	<i>CYRO Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Automotive Products</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Esschem Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Jones Blair Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Plaskolite, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
390690	Acrylic polymers in primary forms, nesi	(1)	(1)	(1)	
39069020	Acrylic plastics polymers (except PMMA), in primary forms, nonelastomeric	(1)	(1)	(1)	
	Butyl acrylate ethyl acrylate copolymer resins		(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>B F Goodrich Co.</i>				
	<i>Guardsman Products, inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Zeneca, Inc., Resins Div.</i>				
	Other homopolymer resins of acrylic and/or methacrylic acidesters		(1)		

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales Quantity	Value	Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069020 —Continued					
Chemical description/Manufacturer—Continued					
	Cook Composites and Polymers Co. E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Esschem Inc. Rohm & Haas Co.				
	Styrene-acrylic copolymer	(1)	(1)	(1)	
	Guardsman Products, Inc. Thermosetting acrylate resins	55,387	50,792	100,387	\$ 1.98
	Air Products & Chemicals, Inc. Akzo Nobel Coatings, Inc. BASF Corp, (Parsippany, NJ) Ciba Geigy Corp. Cook Composites and Polymers Co. E.I. Dupont de Nemours & Co., Inc., Automotive Products Guardsman Products, Inc. Henkel Corp. McWhorter, Inc. Mobil Oil Corp., Chemical Products Div. PPG Industries, Inc. Para Chem Southern, Inc. Rhone Poulenc, Inc.				
	Residual Total	(1)	(1)	(1)	
39069050	Acrylic polymers (except plastics or elastomers), in primary forms, nest	1,211,705	648,034	1,516,145	2.34
	Acrylamide-2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer Company not disclosed	(1)	(1)	(1)	
	Acrylamide-acrylic acid copolymer, sodium salt Company not disclosed	(1)	(1)	(1)	
	Acrylamide-trimethylaminoethyl acrylate chloride polymer Company not disclosed	(1)	(1)	(1)	
	Acrylamide-trimethylaminoethyl methacrylate chloride Company not disclosed	(1)	(1)	(1)	
	Adipic acid-crosslinked polycrylamide Buckman Laboratories, Inc. CPS Chemical Co., Inc. Company not disclosed Exxon Chemical Americas Henkel Corp. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Ammonium polyacrylate Allied Colloids, Inc. Catawba Charlab, Inc. Company not disclosed Henkel Corp. Rhone Poulenc, Inc. Rohm & Haas Co. Yorkshire Pat Chem, Inc.	2,201	911	1,664	1.83
	Other copolymer resins of acrylic and/or methacrylic acid esters ADCO Chemical Co. Air Products & Chemicals, Inc. Allied Colloids, Inc. BASF Corp,(Parsippany, NJ) C. H. Patrick & Co., Inc. Cello Corp. Company not disclosed	388,984	426,957	1,072,581	2.51

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069050 —Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	Cook Composites and Polymers Co.				
	Dock Resins Corp.				
	Essential Industries, Inc.				
	Glidden Co.				
	H.B. Fuller Co.				
	Hickson Danchem Corp.				
	Kaneka Texas Corp.				
	Kelly Moore Paint Co., Inc.				
	Monsanto Co.				
	Morton International, Inc., Morton Chemical Div.				
	National Starch & Chemical Co.				
	PPG Industries, Inc.				
	Para Chem Southern, Inc.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Rohm & Haas Co.				
	Rohm Tech, Inc.				
	S C Johnson & Son, Inc.				
	Schenectady International, Inc.				
	Sequa Chemicals, Inc.				
	Surface Coatings, Inc.				
	Sybron Chemicals, Inc.				
	Synthron, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Zeneca, Inc., Resins Div.				
	Ethyl acrylate methacrylic acid copolymer	(1)	(1)	(1)	
	Alco Chemical				
	Polyacrylamide	(1)	(1)		
	Company not disclosed				
	Cytec Industries				
	Exxon Chemical Americas				
	Rhone Poulenc, Inc.				
	Sequa Chemicals, Inc.				
	Polyacrylamide copolymers, all other				
	Company not disclosed				
	Polyacrylate methacrylate copolymers			(1)	
	Company not disclosed				
	Rohm & Haas Co.				
	Polyacrylate poly(hydroxypropylacrylate) copolymer	P)	(1)	(1)	
	Company not disclosed				
	Polyacrylic acid	2,817	(1)	(1)	
	Buckman Laboratories, Inc.				
	Company not disclosed				
	Company not disclosed				
	Mayo Chemical Co., Inc.				
	Rohm & Haas Co.				
	Poly(acrylic acid, ethyl ester)	19		(1)	
	E.I. Dupont de Nemours & Co., Inc., Ed/Im Dept.				
	Polyacrylic acid salts, all other		27,765	65,215	\$ 2.35
	B F Goodrich Co.				
	Company not disclosed				
	Company not disclosed				
	Dow Chemical Co.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Rohm & Haas Co.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069050 —Continued					
Chemical description/Manufacturer—Continued					
	Stamford Chemicals, Inc.				
	Polyacrylonitrile and acrylonitrile copolymers		(¹)	(¹)	
	Buckman Laboratories, Inc.				
	Monsanto Co.				
	Polyacrylonitrile, hydrolyzed	1,182	996	3,586	\$ 3.60
	Buckman Laboratories, Inc.				
	Dixie Chemical Co., Inc.				
	Grain Processing Corp.				
	Rohm & Haas Co.				
	Polyacrylonitrile, starch hydrolyzed polymer	(¹)			
	Grain Processing Corp.				
	Polymers, water soluble, all other	20,963	18,158	27,838	1.53
	B F Goodrich Co.				
	Buckman Laboratories, Inc.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Henkel Corp.				
	Hickson Danchem Corp.				
	Houghton International, Inc.				
	Para Chem Southern, Inc.				
	Quaker Chemical Corp.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Stamford Chemicals, Inc.				
	Synthron, Inc.				
	Polymethacrylic acid, sodium salt		(¹)		
	Alco Chemical				
	Rhone Poulenc, Inc.				
	Sodium ammonium polyacrylate and copolymers	105,062	100,208	167,183	1.67
	Alco Chemical				
	B F Goodrich Co.				
	BASF Corp, (Parsippany, NJ)				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Rhone Poulenc, Inc.				
	Rohm & Haas Co.				
	Stamford Chemicals, Inc.				
	Sodium polyacrylate	2,357	(¹)	(¹)	
	Buckman Laboratories, Inc.				
	Houghton International, Inc.				
	Mayo Chemical Co., Inc.				
	Stamford Chemicals, Inc.				
	Synthron, Inc.				
	Sodium polyacrylate, grafted	(¹)	(¹)	(¹)	
	Company not disclosed				
	Residual Total	688,140	73,038	174,630	2.39
3907	Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyvinyl esters and other polyesters, in primary forms	(¹)	(¹)		
390710	Polyacetals in primary forms	(¹)	(¹)		
39071000	Polyacetals in primary forms	(¹)	(¹)	(¹)	
	Acetal resins		(¹)	(¹)	
	Cargill, Inc.				
	E.I. Dupont de Nemours & Co., Inc., Polymer Products				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39071000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Ultra form Co.				
	WestPoint Stevens, Inc., Grifftex Chemicals				
	Residual Total	(1)	(1)	(1)	
390720	Polyethers, other than polyacetals, in primary forms	(1)	(1)	(1)	
39072000	Polyethers, other than polyacetals, in primary forms	(1)		(1)	
	Glyoxal-formaldehyde resins	11,972	7,341	14,360	\$ 1.96
	Auralux Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	IVAX Industries				
	Mount Vernon Mills, Inc.				
	Sequa Chemicals, Inc.				
	Sybron Chemicals, Inc.				
	WestPoint Stevens, Inc., Grifftex Chemicals				
	Phenoxy (R) resin (other than for coating and adhesives)	(1)	(1)	(1)	
	Company not disclosed				
	Union Carbide Corp., Industrial Chemicals Div.				
	Poly(dibromophenylene oxide)	(1)	(1)	(1)	
	Great Lakes Chemical Corp.				
	Polyhexafluoropropylene oxide	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Polymethylvinyl ether monoethylmaleate	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	Polyphenylene oxide type resins	(1)		(1)	
	General Electric Co., Plastics Div.				
	Residual Total	(1)	(1)	(1)	
390730	Epoxide resins in primary forms	414,867	225,273	632,096	2.81
39073000	Epoxide resins in primary forms	414,867	225,273	632,096	2.81
	Epoxide resins, advanced	128,655	53,252	131,242	2.46
	Akzo Coatings, Inc.				
	BASF Corp. (Parsippany, NJ)				
	C. J. Osborn, Chemicals, Inc.				
	Cargill, Inc.				
	Ciba Geigy Corp.				
	Company not disclosed				
	Company not disclosed				
	Conap, Inc.				
	Cook Composites and Polymers Co.				
	Courtaulds Aerospace, Inc.				
	Dexter Corp., Dexter Packaging Products				
	Dock Resins Corp.				
	Dow Chemical Co.				
	General Electric Co., Electromaterials Div.				
	Glidden Co.				
	Guardsman Products, Inc.				
	Lilly Industries, Inc.				
	Mameco International, Inc.				
	Minnesota Mining & Manufacturing Co.				
	Morton International, Inc., Morton Chemical Div.				
	PPG Industries, Inc.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Smooth on, Inc.				
	Westinghouse Electric Corp., Electrical Materials Div.				
	Epoxide resins, unmodified	286,212	172,021	500,854	2.91
	Ashland Chemical, Inc. (Columbus, OH)				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39073000 —Continued					
Chemical description/Manufacturer—Continued					
	BASF Corp, (Parsippany, NJ)				
	Ciba Geigy Corp.				
	Company not disclosed				
	Cook Composites and Polymers Co.				
	Cosmic Plastics, Inc.				
	Dexter Corp., Aerospace Materials Div.				
	Dow Chemical Co.				
	Dynachem, Inc.				
	Guardsman Products, Inc.				
	Hexcel Corp., Hexcel Resin Products Division				
	Hickson Danchem Corp.				
	McWhorter, Inc.				
	P.D. George Co.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
390740	Polycarbonates in primary forms	432,760	314,022	1,014,899	\$ 3.23
39074000	Polycarbonates in primary forms	432,760	314,022	1,014,899	3.23
	Polycarbonate resins	432,760	314,022	1,014,899	3.23
	Cook Composites and Polymers Co.				
	Dow Chemical Co.				
	General Electric Co., Plastics Div.				
	Miles, Inc., Pittsburgh Div.				
	Sequa Chemicals, Inc.				
390750	Alkyd resins in primary forms	306,404	252,559	339,284	1.34
39075000	Alkyd resins in primary forms	306,404	252,559	339,284	1.34
	Acrylate-alkyd copolymer resins	4,635	1,724	4,556	2.64
	Akzo Nobel Coatings, Inc.				
	BASF Corp, (Parsippany, NJ)				
	Company not disclosed				
	Cook Composites and Polymers Co.				
	Delta Resins & Refractories, Inc.				
	McWhorter, Inc.				
	PPG Industries, Inc.				
	Alkyd copolymers, all other	8,054	9,389	23,266	2.48
	C. J. Osborn, Chemicals, Inc.				
	Cargill, Inc.				
	Dexter Corp., Dexter Packaging Products				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				
	Guardsman Products, Inc.				
	McWhorter, Inc.				
	Plastics Engineering Co.				
	Ranbar Technology, Inc.				
	Phthalic anhydride type alkyd resins	267,340	218,396	271,887	1.24
	ADCO Chemical Co.				
	Akzo Nobel Coatings, Inc.				
	BASF Corp, (Parsippany, NJ)				
	C. J. Osborn, Chemicals, Inc.				
	Capital Resin Corp.				
	Cargill, Inc.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Cook Composites and Polymers Co.				
	Dock Resins Corp.				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39075000 —Continued					
Chemical description/Manufacturer—Continued					
	Eastern Color & Chemical Co. Glidden Co. Guardsman Products, Inc. Hilton Davis Chemical Co. Jones Blair Co. Lilly Industries, Inc. M. A. Bruder & Sons, Inc. McWhorter, Inc. Minnesota Mining & Manufacturing Co. Niles Chemical Paint Co. P.D. George Co. PPG Industries, Inc. Quaker Chemical Corp. Ranbar Techology, Inc. Reichhold Chemicals, Inc. Rhone Poulenc, Inc. Riverdale Industries, Inc. Sybron Chemicals, Inc. Synray Corp.				
	Polybasic acid type alkyd resins	8,300	7,019	10,754	\$ 1.53
	Akzo Nobel Coatings, Inc. Akzo Resins & Vehicles BASF Corp, (Parsippany, NJ) C. J. Osborn, Chemicals, Inc. Company not disclosed Cook Composites and Polymers Co. Dock Resins Corp. Glidden Co. Guardsman Products, Inc. Insulating Materials, Inc. PPG Industries, Inc. Riverdale Industries, Inc. Schenectady International, Inc.				
	Styrenated-alkyds, or copolymer alkyds	5,019	2,922	6,614	2.26
	Akzo Nobel Coatings, Inc. C. J. Osborn, Chemicals, Inc. Company not disclosed Cook Composites and Polymers Co. Guardsman Products, Inc. McWhorter, Inc. Morton International, Inc., Morton Chemical Div. Schenectady International, Inc. Westinghouse Electric Corp., Electrical Materials Div.				
	Vinyl toluene alkyds	13,056	13,109	22,207	1.69
	Akzo Nobel Coatings, Inc. Cargill, Inc. Cook Composites and Polymers Co. Glidden Co. Guardsman Products, Inc. Insulating Materials, Inc. Jones Blair Co. McWhorter, Inc. Ranbar Techology, Inc.				
390760	Polyethylene terephthalate in primary forms	(1)	(1)	(1)	
39076000	Polyethylene terephthalate in primary forms	(1)	(1)	(1)	
	Polyethylene terephthalate for fiber	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept. Eastman Kodak Co., Tennessee Eastman Co. Div.				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification / chemical description / manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 39076000 —Continued					
Chemical description/Manufacturer--Continued					
	<i>Fiber Industries, Inc.</i>				
	<i>Firestone Tire & Rubber Co., Firestone Fibers & Textiles</i>				
	Polyethylene terephthalate (PET)	1,489,707	944,773	1,281,002	\$ 1.36
	<i>Allied Signal, Inc., Engineered Plastic Div.</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Fibers Industrial Div.</i>				
	<i>ICI Americas, Inc., Films Group Div.</i>				
	<i>Plastics Engineering Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Toray Plastics America, Inc., Lumirror Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
390791	Unsaturated polyesters, nesi, in primary forms	(¹)	(¹)	(¹)	
39079110	Unsaturated allyl resins	(¹)	(¹)	(¹)	
	Allyl resins	(¹)	1,077	4,383	4.07
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Cosmic Plastics, Inc.</i>				
	<i>Insulating Materials, Inc.</i>				
	Diallyl isophthalate	(¹)	(¹)	(¹)	
	<i>Cosmic Plastics, Inc.</i>				
	Poly(diallyldimethylammonium chloride)	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	<i>Company not disclosed</i>				
	Residual Total	(¹)	(¹)	(¹)	
39079150	Unsaturated polyesters, other than allyl resins in primary forms	613,249	562,863	751,012	1.33
	Polyester resins, unsaturated	613,249	562,863	751,012	1.33
	<i>Alpha Corp. of Tennessee</i>				
	<i>Aristech Chemical Corp.</i>				
	<i>Ashland Chemical, Inc. (Columbus, OH)</i>				
	<i>Cargill, Inc.</i>				
	<i>Cook Composites and Polymers Co.</i>				
	<i>Cosmic Plastics, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>Interplastic Corp.</i>				
	<i>Jones Blair Co.</i>				
	<i>Lawter International, Inc.</i>				
	<i>Minnesota Mining & Manufacturing Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Niles Chemical Paint Co.</i>				
	<i>Owens Corning Fiberglas Corp.</i>				
	<i>P.D. George Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Phelps Dodge Magnet Wire Co.</i>				
	<i>Pioneer Plastics Corp.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Schenectady International, Inc.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
390791XX	HIS Level Residual Total	(¹)	(¹)	(¹)	
390799	Polyesters nesi, saturated, in primary forms	443,130		(¹)	
39079900	Polyesters nesi, saturated, in primary forms	443,130	(¹)	(¹)	
	Complex linear polyesters and polymeric plasticizers, all other	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Hercules, Inc.</i>				
	<i>ISP Van Dyk, Inc.</i>				
	<i>Inolex Chemical Co.</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 39079900 —Continued					
Chemical description/Manufacturer—Continued					
	Mobil Oil Corp., Chemical Products Div. Scher Chemicals, Inc. Teknor Apex Co. Witco Corp.				
	Co-polyesters	I ¹⁾	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Polymer Products				
	Polybutylene terephthalate(PBT)	(¹⁾	(¹⁾		
	BASF Corp, (Parsippany, NJ) General Electric Co., Plastics Div.				
	Polyester resins, saturated, all other	346,863	270,779	857,447	3.17
	Akzo Nobel Coatings, Inc. Allied Signal, Inc., Engineered Materials Sector BASF Corp, (Parsippany, NJ) Bostik, Inc. Ciba Geigy Corp. Company not disclosed Cook Composites and Polymers Co. E.I. Dupont de Nemours & Co., Inc., Automotive Products E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept. E.I. Dupont de Nemours & Co., Inc., Polymer Products Eastman Kodak Co., Tennessee Eastman Co. Div. Elf Atochem North America, Inc. General Electric Co., Plastics Div. Glidden Co. Guardsman Products, Inc. ICI Americas, Inc., Specialty Chemicals Div. Insulating Materials, Inc. Jones Blair Co. McWhorter, Inc. P.D. George Co. PPG Industries, Inc. Schenectady International, Inc.				
	Residual Total	96,267		(¹⁾	
3908	Polyamides in primary forms	1,227,594		(1)	
390810	Polyamide-6, -11, -12, -6,6, -6,9, -6,10 or -6,12, in primary form	1,152,849	(¹⁾		
39081000	Polyamide-6, -11, -12, -6,6, -6,9, -6,10 or -6,12 in primary form	1,152,849		(¹⁾	
	Nylon 6/6	(1)		(1)	
	Company not disclosed E.I. Dupont de Nemours & Co., Inc., Fibers Dept. Monsanto Co.				
	Nylon 6 (Polymer for fiber, only)	(¹⁾	(¹⁾	(1)	
	Allied Signal, Inc., Engineered Materials Sector				
	Nylon type, polyamide resins	391,018	356,708	962,720	2.70
	Allied Signal, Inc., Engineered Materials Sector Allied Signal, Inc., Engineered Plastic Div. BASF Corp, (Parsippany, NJ) Be/ding Chemical Industries Bostik, Inc. Custom Resins, Inc. Day Glo Color Corp. E.I. Dupont de Nemours & Co., Inc., Polymer Products EMS American Grilon, Inc. Elf Atochem North America, Inc. Henkel Corp. Imitec, Inc. Monsanto Co.				

See endnotes at end of table.

Table 3-1 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39081000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Nylon Corp. of America P.D. George Co. Shakespeare Co., Monofilament Div.				
	Polymers for fibers, all other	(1)		(1)	
	Hoechst Celanese Corp., Fibers Industrial Div.				
	Residual Total	761,831	(1)		
390890	Polyamides in primary forms, noel	(1)	(1)	(1)	
39089000	Polyamides in primary forms, nesl	(1)	(1)	(1)	
	Dicyandiamide resins	627	620	1,021	\$ 1.65
	Sandoz Chemicals Corp. (Mt. Holly)				
	Sybron Chemicals, Inc.				
	Synthron, Inc.				
	Non-nylon type, polyamide resins	52,662	51,903	87,871	1.69
	Arizona Chemical Co.				
	Bostik, Inc.				
	Dexter Corp., Automotive Div.				
	Georgia Pacific Corp., Resins Inc.				
	Guardsman Products, Inc.				
	H.B. Fuller Co.				
	Henkel Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Houghton International, Inc.				
	Lawter International, Inc.				
	Sequa Chemicals, Inc.				
	Union Camp Corp., Chemical Div.				
	Poly-m-phenylene isophthalamide	(1)	(1)		
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept.				
	Poly-p-phenylene terephthalamide		(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept.				
	Residual Total	(1)		(1)	
390890XX	HTS Level Residual Total			(1)	
3908XX	HTS Level Residual Total		(1)	(1)	
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms	2,375,213	1,889,930	2,320,088	1.23
390910	Urea resins; thiourea resins, in primary forms	(1)	(1)	(1)	
39091000	Urea resins; thiourea resins	(1)	(1)	(1)	
	Copolyurethane urea	(1)		(1)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept.				
	Urea-formaldehyde resins	1,004,560	898,803	270,422	0.30
	Air Resources, Inc.				
	Akzo Nobel Coatings, Inc.				
	Auralux Corp.				
	Borden, Inc., Packaging & Industrial Products Div.				
	Capital Resin Corp.				
	Cargill, Inc.				
	Cytec Industries				
	Georgia Pacific Corp., Resins Inc.				
	Guardsman Products, Inc.				
	Minnesota Mining & Manufacturing Co.				
	Neste Resins Corp.				
	New Mexico Adhesives				
	Perstorp Compounds, Inc.				
	Pioneer Plastics Corp.				
	Plastics Manufacturing Co.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Sequa Chemicals, Inc.				
	Southeastern Adhesives Co.				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
HTS No. 39091000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Southern Resins, Inc.</i>				
	<i>Synthron, Inc.</i>				
	<i>Wright Chemical Corp.</i>				
	Urea, polymers with ethanedial	(¹)	(I)	(¹)	
	<i>Henkel Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
390920	Melamine resins in primary forms	177,978	138,700	299,506	\$ 2.16
39092000	Melamine resins	177,978	138,700	299,506	2.16
	Melamine-formaldehyde resins				
	<i>Akzo Nobel Coatings, Inc.</i>				
	<i>Auralux Corp.</i>				
	<i>Borden, Inc., Packaging & Industrial Products Div.</i>				
	<i>Capital Resin Corp.</i>				
	<i>Cargill, Inc.</i>				
	<i>Cook Composites and Polymers Co.</i>				
	<i>Cytec Industries</i>				
	<i>Day Glo Color Corp.</i>				
	<i>Dexter Corp., Dexter Packaging Products</i>				
	<i>Dock Resins Corp.</i>				
	<i>Georgia Pacific Corp., Resins Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Neste Resins Corp.</i>				
	<i>New Mexico Adhesives</i>				
	<i>P.D. George Co.</i>				
	<i>Perstorp Compounds, Inc.</i>				
	<i>Pioneer Plastics Corp.</i>				
	<i>Plastics Engineering Co.</i>				
	<i>Plastics Manufacturing Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Ruco Polymer Corp.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
390930	Amino-resins in primary forms, nesi	28,902	25,652	100,991	3.94
39093000	Amino-resins, nesi	28,902	25,652	100,991	3.94
	Amine polymers	(¹)	(¹)	(¹)	
	<i>Texaco Chemical Co.</i>				
	Dimethylamine epichlorohydrin copolymer	(I)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>				
	Polyamine polymethane phosphonic acid	(¹)	(I)	(I)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	Polyisocyanate	(¹)	(I)	(I)	
	<i>Rhone Poulenc, Inc.</i>				
	Polyisocyanate	(I)	(¹)	(¹)	
	<i>Mameco International, Inc.</i>				
	Poly(1,1'-(methylimino)bis(3-chloro-2 -propanol) teetramethylethylenediamine	(I)	(¹)	(¹)	
	<i>Buckman Laboratories, Inc.</i>				
	TPSA/polyamine condensates		(¹)	(¹)	
	<i>Company not disclosed</i>				
	Residual Total	28,902	25,652	100,991	3.94
390940	Phenolic resins in primary forms	(¹)	(¹)	(¹)	
39094000	Phenolic resins	(¹)	(¹)	(¹)	
	Alkylphenol formaldehyde condensate, alkoxylated	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Alkylphenol formaldehyde copolymer	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39094000 —Continued					
	Hydrindantin	(¹)	(¹)	(¹)	
	<i>Pierce Chemical Co.</i>				
	Phenol-formaldehyde resin (with lignite)	(¹)		(¹)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	Phenol-formaldehyde resin (with lignosite)	(¹)	(¹)	(¹)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	Phenolic and other tar acid resins	964,713	688,617	725,186	\$ 1.05
	<i>Air Resources, Inc.</i>				
	<i>Allied Signal Inc., Braking Systems</i>				
	<i>Ametek, Inc., Haveg Div.</i>				
	<i>Arizona Chemical Co.</i>				
	<i>Ashland Chemical, Inc. (Columbus, OH)</i>				
	<i>BTL Specialty Resin Corp.</i>				
	<i>Borden, Inc., Packaging & Industrial Products Div.</i>				
	<i>Capital Resin Corp.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Courtaulds Aerospace, Inc.</i>				
	<i>D. A. Stuart, Inc.</i>				
	<i>Delta Resins & Refractories, Inc.</i>				
	<i>Dexter Corp., Dexter Packaging Products</i>				
	<i>Dynachem, Inc.</i>				
	<i>Georgia Pacific Corp., Resins Inc.</i>				
	<i>Guardman Products, Inc.</i>				
	<i>Hercules, Inc.</i>				
	<i>Heresite Protective Coatings, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>INDSPEC Chemical Corp.</i>				
	<i>Lawter International, Inc.</i>				
	<i>Minnesota Mining & Manufacturing Co.</i>				
	<i>Neste Resins Corp.</i>				
	<i>Occidental Chemical Corp., Polymers and Plastics Group</i>				
	<i>Owens Corning Fiberglas Corp.</i>				
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	<i>Plaslok Corp.</i>				
	<i>Plastics Engineering Co.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Ruco Polymer Corp.</i>				
	<i>Schenectady International, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	<i>United Erie, Inc.</i>				
	<i>Valentine Sugars, Inc.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
390950	Polyurethanes in primary forms	183,002	121,069	530,635	4.38
39095010	Polyurethanes, elastomeric, in primary forms	147,461	103,088	481,589	4.67
	Polyurethane elastomers	96,725	76,338	336,584	4.41
	<i>ARNCO</i>				
	<i>Anderson Development Co.</i>				
	<i>BASF Corp, (Parsippany, NJ)</i>				
	<i>Bostik, Inc.</i>				
	<i>Caschem, Inc.</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Conap, Inc.</i>				
	<i>Courtaulds Aerospace, Inc.</i>				
	<i>Dennis Chemical Co.</i>				

See endnotes at end of table.

Table 3-1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39095010 —Continued					
Chemical description/Manufacturer—Continued					
	Dexter Corp., Dexter Electronic Materials Div.				
	Dexter Corp., Dexter Packaging Products				
	Hexcel Corp., Hexcel Resin Products Division				
	K.J. Quinn & Co., Inc.				
	Morton International, Inc., Morton Chemical Div.				
	P.D. George Co.				
	PPG Industries, Inc.				
	Reichhold Chemicals, Inc.				
	Ruco Polymer Corp.				
	Schenectady International, Inc.				
	Smooth on, Inc.				
	Soluol Chemical Co., Inc.				
	Stahl, USA				
	Synair Corp.				
	Synthron, Inc.				
	Uniroyal Chemical Co., Inc.				
	Thermoplastic polyurethane elastomers	50,737	26,750	145,005	\$ 5.42
	B F Goodrich Co.				
	BASF Corp, (Parsippany, NJ)				
	Dow Chemical Co.				
	Eagle Picher Industries, Inc., Orthane Div.				
	Rogers Corp.				
39095050	Polyurethanes, other than elastomeric or cements, in primary forms	35,540	17,981	49,046	2.73
	Polyurethane resins	35,540	17,981	49,046	2.73
	BASF Corp, (Parsippany, NJ)				
	Cargill, Inc.				
	Dow Chemical Co.				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				
	Glidden Co.				
	Hampshire Chemical Corp., Chem. & Polymers				
	Jones Blair Co.				
	Lord Corp., Chemical Products Div.				
	Olin Corp.				
	Phelps Dodge Magnet Wire Co.				
	Synair Corp.				
3910	Silicones in primary forms			(¹)	
391000	Silicones in primary forms		(1)	(1)	
39100000	Silicones in primary forms		(¹)		
	Polyoxyalkene silicones	(¹)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Silicone fluids	64,249	45,917	246,188	5.36
	Dow Corning Corp.				
	General Electric Co., Silicone Products Div.				
	NuSil Technology				
	Union Carbide Corp., Industrial Chemicals Div.				
	Wacker Silicones Corp.				
	Silicone greases	(¹)	(1)	(1)	
	General Electric Co., Silicone Products Div.				
	Wacker Silicones Corp.				
	Silicone resins	7,011	4,939	35,616	7.21
	C. J. Osborn, Chemicals, Inc.				
	Dow Corning Corp.				
	General Electric Co., Silicone Products Div.				
	Guardsman Products, Inc.				
	NuSil Technology				
	Pelron Corp.				
	Rhone Poulenc, Inc.				

See endnotes at end of table.

Table 3 1 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/ manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 39100000 -Continued					
	Residual Total	(¹)	(¹)		
3911.	Petroleum resins, coumarone-indene resins, polyterpenes, polysulfides, polysulfones and other products specified in note 3 to this chapter, not elsewhere specified or included, in primary forms	354,170	(¹)		
391110	Petroleum resins, coumarone, indene or coumarone-indorse resins and polyterpenes, in primary forms	201,935	196,256	205,576	1.05
39111000	Petroleum resins, coumarone, indene or coumarone-indene resins and polyterpenes, in primary forms	201,935	196,256	205,576	1.05
	Petroleum hydrocarbon resins	201,935	196,256	205,576	1.05
	<i>Arizona Chemical Co.</i>				
	<i>Chemfax, Inc.</i>				
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Hercules, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Lawter International, Inc.</i>				
391190	Polysulfides, polysulfones and certain other products, nesi, in primary forms	152,235			
3 91 1 9020	Thermoplastic nonelastomeric products in note 3 to Chap. 39, nesi, in primary forms, of or obtained from aromatic/mod. aromatic monomer units	54,520	48,873	251,152	5.14
	Polyimides and amide-imide polymers	11,245	7,567	123,019	16.26
	<i>E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.</i>				
	<i>General Electric Co., Plastics Div.</i>				
	<i>P.D. George Co.</i>				
	<i>Phelps Dodge Magnet Wire Co.</i>				
	<i>Schenectady International, Inc.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
	Polyphenylene sulfide resins	(¹)	(¹)	(¹)	
	<i>General Electric Co., Plastics Div.</i>				
	<i>Phillips 66 Co.</i>				
	Polyterpene resins	(¹)	(¹)	(¹)	
	<i>Arizona Chemical Co.</i>				
	<i>Hercules, Inc.</i>				
	Thermoplastic resins, benzenoid, all other	19,183	17,886	50,488	2.82
	<i>BP Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Courtaulds Aerospace, Inc.</i>				
	<i>Dock Resins Corp.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Imitec, Inc.</i>				
	<i>Lawter International, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Ruetgers Neese Corp.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	Residual Total	24,092	23,420	77,645	3.32
3 91 19030	Thermosetting, nonelastomeric products in note 3 to Chap. 39, nesi, in primary forms, of or obtained from aromatic/mod. aromatic monomer units	57,128	50,255	102,117	2.03
	Thermosetting resins, benzenoid, all other	57,128	50,255	102,117	2.03

See endnotes at end of table.

Table 3-1 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39119030 —Continued					
Chemical description/Manufacturer—Continued					
	Air Products & Chemicals, Inc.				
	Akzo Coatings, Inc.				
	Akzo Nobel Coatings, Inc.				
	Cargill, Inc.				
	Company not disclosed				
	Company not disclosed				
	Cytec Industries				
	Dexter Corp., Dexter Packaging Products				
	Glidden Co.				
	Guardsman Products, Inc.				
	Hercules, Inc.				
	Reichhold Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Ruco Polymer Corp.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Sequa Chemicals, Inc.				
	Sybron Chemicals, Inc.				
39119050	Nonelastomeric products specified in note 3 to Chap. 39, nesi	40,587	(¹)	(¹)	
	Acetone-formaldehyde resins	(¹)	(1)	(1)	
	Georgia Pacific Corp., Resins Inc.				
	N.B. Fuller Co.				
	Aliphatic hydrocarbon sulfides	(1)	(¹)	(¹)	
	Company not disclosed				
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Ferro Corp., Keil Chemical Div.				
	Furfuryl type resins	7,134	7,160	11,293	\$ 1.58
	Ametek, Inc., Haveg Div.				
	Capital Resin Corp.				
	Delta Resins & Refractories, Inc.				
	Dynachem, Inc.				
	United Erie, Inc.				
	Poly(oxyethanediyl), oxotetradecyl hydroxyalkyl ethers	(¹)	(¹)	(¹)	
	Henkel Corp.				
	2,5-Pyrrolidinedione, 1-12-hydroxy-1,1-bis (hydroxymethyl)ethyl, monopolybutenyl derivatives	(¹)		(¹)	
	Mobil Oil Corp., Chemical Products Div.				
	Thermoplastic resins, nonbenzenoid, all other	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Mobil Oil Corp., Chemical Products Div.				
	Residual Total	33,453	(1)	(1)	
3912	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms	(¹)	(¹)	(¹)	
391212	Cellulose acetate, nesi, in primary forms, plasticized	(¹)	(¹)	(¹)	
39121200	Cellulose acetate, nesi, in primary forms, plasticized	(¹)	(¹)	(¹)	
	Cellulose acetate	(¹)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Residual Total	(1)	(¹)	(¹)	
391231	Carboxymethylcellulose and its salts, nesi, in primary forms	(1)		(1)	
39123100	Carboxymethylcellulose and its salts, in primary forms	(1)	(1)		
	Hydroxyethylcellulose	(1)	(¹)	(¹)	
	Dow Chemical Co.				
	Hercules, Inc.				

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39123100 —Continued					
Chemical description/Manufacturer—Continued					
	Union Carbide Corp., Industrial Chemicals Div.				
	Sodium carboxymethylcellulose (100%)	22,289			
	Hercules, Inc.				
	Louisiana Chemical Specialties, Inc.				
	Mak Chemical Corp.				
	Penn Carbose Inc.				
	Residual Total		(1)	(1)	
391231XX	HTS Level Residual Total		(1)	(1)	
391239	Cellulose ethers, nesi, other than carboxymethylcellulose and its salts, in primary forms	(1)	(1)		
39123900	Cellulose ethers, other than carboxymethylcellulose and its salts, in primary forms	(1)	(1)	(1)	
	Ethyl cellulose	(1)	(1)	(1)	
	Hercules, Inc.				
	2-Hydroxypropyl cellulose	(1)	(1)	(1)	
	Hercules, Inc.				
	Methylcellulose	(1)	(1)	(1)	
	Dow Chemical Co.				
	Residual Total	(1)	(1)	(1)	
391290	Cellulose and its chemical derivatives nesi, in primary forms	(1)	(1)	(1)	
39129000	Cellulose and its chemical derivatives nesi, in primary forms	(1)	(1)	(1)	
	Cellulose acetate butyrate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Cellulose acetate, for fiber use	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Cellulose acetate propionate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Cellulose ethers and esters, all other	(1)	(1)		
	Sandoz Chemicals Corp. (Mt. Holly)				
	Residual Total	(1)	(1)	(1)	
3912XX	HIS Level Residual Total	(1)	(1)	(1)	
3914	Ion exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)	
391400	Ion-exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)	
39140000	Ion-exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)	
	Styrene-divinylbenzene copolymer resins	(1)	(1)	(1)	
	Rohm & Haas Co.				
	Sybron Chemicals, Inc.				
	Residual Total	(1)	(1)	(1)	
39XX	HTS Level Residual Total	544,869	(1)	(1)	
40	Rubber and articles thereof	2,260,165	1,579,054	2,711,740	\$ 1.72
4002	Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; mixtures of any product of heading 4001 with any product of this heading, in primary forms or in plates,sheets or strip	2,260,165	1,579,054	2,711,740	1.72
400211	Latex styrene-butadiene rubber (Latex SBR) and carboxylated styrene-butadiene rubber (XSBR), in primary forms, plates, sheet or strip	193,903	190,809	227,782	1.19
40021100	Styrene-butadiene rubber (SBR) or carboxylated styrene-butadiene rubber (XSBR), latex, in primary forms or in plates, sheets or strip	193,903	190,809	227,782	1.19

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 40021100 —Continued					
	Styrene-butadiene, latex type <i>B F Goodrich Co.</i> <i>BASF Corp, (Parsippany, NJ)</i> <i>Gencorp Polymers Products, Latex Div.</i> <i>Goodyear Tire & Rubber Co.</i> <i>Hampshire Chemical Corp., Chem. & Polymers</i> <i>Minnesota Mining & Manufacturing Co.</i>	193,903	190,809	227,782	\$ 1.19
400219	Styrene-butadiene rubber (SBR) and carboxylated styrene-butadiene rubber (XSBR), except latex, in primary forms, plates, sheet or strip	807,651	475,747	393,835	0.83
40021900	Styrene-butadiene rubber ISBRI, carboxylated styrene-butadiene rubber (XSBR), except latex, in primary forms or in plates, sheets or strip	807,651	475,747	393,835	0.83
	Styrene-butadiene, dry type <i>Ameripol Synpol Co., Div. of Gantrade Corp.</i> <i>DSM Copolymer, Inc.</i> <i>Dynagen, Inc., subsidiary of General Tire, Inc.</i> <i>Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.</i> <i>Goodyear Tire & Rubber Co.</i> <i>Reichhold Chemicals, Inc.</i>	807,651	475,747	393,835	0.83
400220	Butadiene rubber (BR), in primary forms, plates, sheet or strip	(¹)	(¹)	(¹)	
40022000	Butadiene rubber (BR), in primary forms or in plates, sheets or strip	(¹)	(¹)	(¹)	
	Polybutadiene, emulsion-polymerized <i>Ameripol Synpol Co., Div. of Gantrade Corp.</i> <i>Gencorp Polymers Products, Latex Div.</i> <i>Reichhold Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Polybutadiene, solution-polymerized <i>American Synthetic Rubber Corp.</i> <i>Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.</i> <i>Goodyear Tire & Rubber Co.</i> <i>Miles, Inc., Polysar Rubber Div.</i> <i>Phillips 66 Co.</i>	467,825	233,451	217,523	0.93
	Residual Total	(¹)	(¹)	(¹)	
400231	Isobutene-isoprene (butyl) rubber (IIR), in primary forms, plates, sheet or strip	(¹)	(¹)	(¹)	
40023100	Isobutene-isoprene (butyl) rubber (IIR), in primary forms or in plates, sheets or strip	(¹)	(¹)	(¹)	
	Butyl(isobutylene-isoprene) type <i>Exxon Chemical Americas</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
400241	Chloroprene (chlorobutadiene) rubber (CR), latex, in primary forms, plates, sheet or strip	(¹)	(¹)	(¹)	
40024100	Chloroprene (chlorobutadiene) rubber (CR), latex, in primary forms or in plates, sheets or strip	(¹)	(¹)	(¹)	
	Polychloroprene (Neoprene) (CR) type <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i> <i>Miles, Inc., Polysar Rubber Div.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
400259	Acrylonitrile-butadiene rubber (NBR), other than latex, in primary forms, plates, sheet or strip	(¹)	(¹)	(¹)	
40025900	Acrylonitrile-butadiene rubber (NBR), other than latex, in primary forms or in plates, sheets or strip	(¹)	(¹)	(¹)	
	Hydrogenated nitrile (hnbr) type <i>Miles, Inc., Polysar Rubber Div.</i> <i>Zeon Chemicals, Inc.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 40025900 —Continued					
	Nitrile (NBR) type B F Goodrich Co. DSM Copolymer, Inc. Goodyear Tire & Rubber Co. Minnesota Mining & Manufacturing Co. Reichhold Chemicals, Inc. Uniroyal Chemical Co., Inc. Zeon Chemicals, Inc.	78,808	76,285	153,402	\$ 2.01
	Residual Total	(1)	(1)	(1)	
400260	Isoprene rubber (IR), in primary forms, plates, sheet or strip	(1)	(1)	(1)	
40026000	Isoprene rubber (IR), in primary forms or in plates, sheets or strip	(1)	(1)	(1)	
	Polyisoprene (IR) type Goodyear Tire & Rubber Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
400270	Ethylene-propylene-nonconjugated diene rubber (EPDM), in primary forms, plates, sheet or strip	256,210	239,505	425,660	1.78
40027000	Ethylene-propylene-nonconjugated diene rubber (EPDM), in primary forms or in plates, sheets or strip	256,210	239,505	425,660	1.78
	Ethylene-propylene (EP) type DSM Copolymer, Inc. E.I. Dupont de Nemours & Co., Inc., Polymer Products Exxon Chemical Americas Miles, Inc., Polysar Rubber Div. Uniroyal Chemical Co., Inc.	256,210	239,505	425,660	1.78
400291	Synthetic rubber and lactic* derived from oils, in latex form, nesi, in primary forms, plates, sheet or strip	141,032	113,070	663,245	5.87
40029100	Synthetic rubber and tactics derived from oils, in latex form, in primary forms or in plates, sheets or strip, nesi	141,032	113,070	663,245	5.87
	Acylic elastomers, all other Company not disclosed		(1)	(1)	
	Fluorelastomers (CFM, FKM, FFKM) type E.I. Dupont de Nemours & Co., Inc., Polymer Products Minnesota Mining & Manufacturing Co.	(1)	(1)	(1)	
	Polyacrylic (ACM) type elastomers Zeon Chemicals, Inc.	(1)	(1)	(1)	
	Polybutadiene acrylic acid acrylonitrile terpolymer (PBAN) American Synthetic Rubber Corp.	(1)	(1)	(1)	
	Polysulfide (T) type elastomers Morton International, Inc., Morton Chemical Div.	(1)	(1)	(1)	
	Silicone (Q) type elastomers Dow Corning Corp. General Electric Co., Silicone Products Div. Morton International, Inc., Morton Chemical Div. NuSil Technology Wacker Silicones Corp.	68,945	42,856	384,612	8.97
	Styrene-butadiene type elastomers, other American Synthetic Rubber Corp.	(1)	(1)	(1)	
	Styrene-butadiene-vinylpyridine B F Goodrich Co. Firestone Tire & Rubber Co., Synth. Rubber & Latex Co. Gencorp Polymers Products, Latex Div. Goodyear Tire & Rubber Co.	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 1 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1993

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 40029100 —Continued					
	Residual Total	72,087	70,214	278,633	\$ 3.97
400299	Synthetic rubber and factice derived from oils, nest, in primary forms, plates, sheet or strip				
	Acrylonitrile-butadiene-acrylic acid	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Cyclic elastomers, all other	(¹)		(¹)	
	<i>Ethyl Corp.</i>				
	Epichlorohydrin elastomers (CO, ECO) type			(¹)	
	<i>Zeon Chemicals, Inc.</i>				
	Residual Total			(¹)	
4002XX	HTS Level Residual Total	302,239	238,685	589,810	2.47
XX	HTS Level Residual Total	28,568	281,470	600,442	2.13
XXXX	HTS Level Residual Total	10,067,628	2,551,683	2,453,756	0.96
XXXXXX	HIS Level Residual Total	18,683,428	5,131,401	8,892,851	1.73
XX)000000-ITS	ITS Level Residual Total	26,457,535	10,828,215	17,763,658	1.64

¹ Separate statistics for this item are not published to avoid disclosure of individual company operations.

² Estimated.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

APPENDIX A
DIRECTORY OF MANUFACTURERS

Appendix A

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Names of synthetic organic chemicals manufacturers that reported production and/or sales to the U.S. International Trade Commission for 1993 are listed below alphabetically.)

<i>Name of company</i>	<i>Telephone number</i>	<i>Office address</i>
Abbott Laboratories	708-937-8343	1401 Sheridan Rd., N. Chicago, IL 600644000.
Acme Steel Co	708.849-2500	13500 S. Perry Ave., Riverdale, IL 60627.
ADCO Chemical. Co	201.589-0880	49 Rutherford St., Newark, NJ 07102.
Advanced Elastomer Systems, L.P.	314453-5300	540 Maryville Centre Dr., St. Louis, MO 63141.
Air Products & Chemicals, Inc	2154814911	7201 Hamilton Blvd, Allentown, PA 18195-1501.
Air Resources	804-834-3113	P.O. Box 8, Waverly, VA 23890.
Ajay Chemicals, Inc	404.9416202	1400 Industry Rd., Powder Springs, GA 30073.
Ajinomoto USA, Inc	201488-1212	4020 Ajinomoto Dr., Raleigh, NC 27610.
Akcros Chemicals America	908.247-2202	500 Jersey Avenue, Brunswick, NJ 08903.
Akzo Chemicals, Inc	312.906-7500	P.O. Box 100, Axis, AL 36505.
Akzo Chemicals, Inc	312.906-7500	2153 Lockport-Olcott Rd., Burt, NY 14028.
Akzo Chemicals, Inc	713479-8411	P.O. Box 600, Deer Park, TX 77536.
Akzo Coatings, Inc	912.367-3616	P.O. Box 349, Baxley, GA 31513.
Akzo Nobel, Inc	708.447-7990	8201 47th St., McCook, IL 60525.
Akzo Nobel Coatings, Inc	502-367.6111	4730 Crittenden Dr., Louisville, KY 40209.
Akzo Nobel Coatings, Inc	502.367-6111	P.O. Box 37230, Louisville, KY 40233.
AkzojResins & Vehicles	708481-8900	21625 Oak St., Matteson, IL 60443.
Albright & Wilson Americas, Inc	804.550-4300	100 Lakeridge Pkwy., Ashland, VA 23005.
Alco Chemical	615.629-1405	909 Mueller Dr., Chattanooga, TN 37406.
Aldrich Chemical Co., Inc	414.273-3850	1001 W. St. Paul Ave., Milwaukee, WI 53233.
Al[co Chemical Corp	214.733-6841	17304 N. Preston Rd., Dallas, TX 75252.
Allegheny Chemical Corp	814-772.3965	Gillis Ave., Ridgway, PA 15853.
Alliance Chemical, Inc	201.344-2344	Linden Ave., Ridgefield, NJ 07657.
Allied Colloids, Inc	804.538-3700	2301 Wilroy Rd., Suffolk, VA 23434.
Allied Signal Inc:		
Braking System	518.270-0200	Tibbits Ave. & Comes Rd., Green Island, NY 12183.
Engineered Materials Sector	2014554911	P.O. Box 1087, Morristown, NJ 07962.
Engineered Plastic Div	201455-2000	101 Columbia Rd., Morristown, NY 07962.
Alox Corp	716-282.1295	3943 Buffalo Ave., Niagara Falls, NY 14303.
Alpha Corp. of Tennessee	901.854-2800	P.O. Box 610, Collierville, TN 38027.
Alpha Laboratories, Inc	303.756-1338	1685 S. Fairfax St., Denver, CO 80222.
Amerada Hess Corp. (Hess Oil	201.750-6000	1 Hess Plaza, Woodbridge, NJ 07095.
Virgin Island Corp.)		
American Bio-Synthetics Corp	414-384-7017	710 W. National Ave., Milwaukee, WI 53204.
American Ingredients, Co	816.561-9050	3947 Broadway, Kansas City, MO 64111.
American Polymers, Inc	508-756.1010	53 Millbrook St., Worcester, MA 01606.
American Synthetic Rubber Corp	502.449-8300	4500 Campground Rd., Louisville, KY 40216.
Ameripol Synpol Co., Div. of	216.762-4442	146 South High St. Akron, OH 44308-1493.
Gantrade Corp		
Ametek, Inc., Haveg Div	302.995-0400	900 Greenbank Rd., Wilmington, DE 19808.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
AMOCO Corp	312-8564445	200 E. Randolph Dr., Chicago, IL 60601.
AMVAC Chemical Corp	213-264.3910	4100 E. Washington Blvd., Los Angeles, CA 90023.
Anaquest	908-647-9200	110 Allen Rd., Liberty Corner, NJ 07938-0804.
Anderson Development Co	517.283-2121	1415 E. Michigan St, Adrian, MI 49221.
Angus Chemical Co	708.215-8600	1500 E. Lake Cook Rd., Buffalo Grove, IL 60062.
Anzon, Inc., Lead Div	215.531-6010	2545 Arm ing ^o Ave., Philadelphia, PA 19125.
Apex Chemical Co	908.354-5420	200 S. First St., Elizabethport, NJ 07206.
Apollo Chemical Corp	919.226-1161	1105 Southerland St., Graham, NC 27253.
Apollo Colors, Inc	708.564-9190	3000 W. Dundee Rd., Suite 415, Northbrook, IL 60062.
Arcadian Corp	901.758-5200	6750 Poplar Ave., Suite 600, Memphis, TN 38138-7419.
Archer Daniels Midland Co	217424-5200	4666 Fades Parkway, Decatur, IL 62525-1470.
Ardmore, Inc	201481.2406	29 Riverside Ave., Newark, NJ 07104.
Arenol Chemical Corp	201.526-5900	189 Meister Ave., Somerville, NJ 08876.
Aristech Chemical Corp	412433-2747	600 Grant St., Pittsburgh, PA 15230-0250.
Arizona Chemical Co	904.785-6700	1001 E. Business Hwy. 98, Panama City, FL 32401,
Armour Pharmaceutical Co	815.932-6771	P.O. Box 511, Kankakee, IL 60901.
ARNCO	213.249-7500	5141 Firestone Place, South Gate, CA 90280.
Arol Chemical Products Co, Inc	201-344-1510	649 Ferry St., Newark, NJ 07105.
Arsynco, Inc., Sub Div. of Aceto Corp	516-627-6000	One Hollow Lane, Lake Success, NY 11042.1215.
Ashland Chemical Co	614.889-3333	P.O. Box 2219, Columbus, OH 43216.
Ashland Petroleum Co	606-329.3333	P.O. Box 391, Ashland, KY 41114.
Astor Products, Inc., Blue Arrow Div	904-783.5352	5244 Edgewood Ct., Jacksonville, FL 32254.
Atlantic Richfield Co.,	215.359-2000	3801 West Chester Pike, Newtown Square, PA 19073.
Arco Chemical Co		
Atlas Refinery, Inc	201-589-2002	142 Lockwood St., Newark, NJ 07105.
Auralux Corp	203.886-2616	29 Stott Ave., Norwich, CT 06355.
Ausimont USA, Inc	201.292-6250	44 Whippany Rd., Morristown, NJ 07962.
Aztec Catalyst Co	713.895-2000	7600 W. Tidwell, Suite 500, Houston, TX 77040.
BASF Corp.		
Chemicals Div	201-365-3400	1255 Broad St., Clifton, NJ 07015.
B.I. Chemicals, Inc	804-862-1990	2820 N. Normandy Drive, Petersburg, VA 23805.
BIT Manufacturing, Inc	615496-3331	1 Ocoee St., Copperhill, TN 37317.
BP Chemicals, Inc	216.5864141	200 Public Square 31-N4105, Cleveland, OH 44114. 2375.
BP Oil Co	419.226-2300	1150 South Metcalf St., Lima, OH 45804.
BTL Speciality Resin Corp	419.244-5856	2112 Sylvan Ave., Toledo, OH 43606.
J. T. Baker Chemical Co	908.859-2151	222 Red School Lane, Phillipsburg, NJ 08865.
Barker Fine Color, Inc	606.261-0200	P.O. Box 16278, Ludlow, KY 41016.
Beckman Instruments, Inc	714-8714848	2500 Harbor Blvd., Fullerton, CA 92634-3100.
Diagnostic Systems Group	619438-9151	2470 Faraday Ave., Carlsbad, CA 92008.

Appendix A--Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Belding Chemical Industries	212.5564799	P.O. Box 130, Hendersonville, NC 28793.
Belzak Corp	201.773-0602	850 Bloomfield Ave., Clifton, NJ 07012.
Bethlehem Steel Corp	215-694-7203	1170 8th Ave., Bethlehem, PA 18016-7699.
Biocraft Laboratories, Inc	201.703-0400	12 Industrial Park, Waldwick, NJ 07463.
Bioproducts, Inc	216.526-5522	4820 Jennings Lane, Louisville, KY 40218.
Boehme Filatex, Inc	919.854-1612	209 Watlington Industries Dr., Reidsville, NC 27320.
Boots Pharmaceuticals, Inc	708405-7400	300 Tristate Intl Ctr., Suite 200, Lincolnshire, IL 600694422
Borden, Inc.:		
Packaging & Industrial Products	614-225-4400	180 E. Broad St., Columbus, OH 43215.
Div		
Borden Chemical & Plastics	504-673-6121	Box 427, Geismar, LA 70734.
Delaware Limited Partnership		
Bostik, Inc	508-777-0100	211 Boston St., Middleton, MA 01949.
Brin-Mont Chemicals, Inc	919-292-0566	3921 Spring Garden St., Greensboro, NC 27407.
Bristol-Myers Squibb Co	212.5464000	345 Park Ave., New York, NY 10154.
M. A. Bruder & Sons, Inc	215-353.5100	52nd & Grays Ave., Philadelphia, PA 19143.
Buckman Laboratories, Inc	901.278-0330	1256 N. McLean Blvd., Memphis, TN 38108.
Buffalo Color Corp	716.8274500	P.O. Box 7027., Buffalo, NY 14240.
Burlington Industries, Inc	910-379.2000	3330 W. Friendly Ave., Greensboro, NC 27406.
Burroughs Wellcome Co	919.248-3000	3030 Cornwallis Rd., Research Triangle • Park, NC 27709.
CDR Pigments & Dispersions	513-771-1900	410 Glendale Milford Rd., Cincinnati, OH 45215.
CF Industries, Inc	708438.9500	One Salem Lake Dr., Long Grove, IL 60047.
C.N.C. International, Inc	401.769-6100	20 Priviledge St., Woonsocket, RI 02895.
CPS Corp	716.366-6010	3257 Middle Rd., Dunkirk, NY 14048.
CPS Chemical Co., Inc	908.607-2700	123 White Oak Lane, Old Bridge, NJ 08857.
CYRO Industries	201.770-3000	100 Valley Rd., MT. Arlington, NJ 07856.
Calgene Chemical, Inc	708.675-3950	7247 N. Central Park Ave., Skokie, IL 60076.
Calgon Corp., Calgon Vestal	314.535-1810	P.O. Box 147, St. Louis, MO 63166.
Laboratories Div		
Cambridge Industries of America, Inc	2014654565	7-33 Amsterdam St., Newark, NJ 07103.
Cape Industries	919.341-5500	P.O. Box 327, Wilmington, NC 28402.
Capital Resin Corp	614-445-7177	324 Dering Ave., Columbus, OH 43207.
Cargill, Inc	612475-7662	P.O. Box 9300, Minneapolis, MN 55440.
Carpenter Co	804-359-0800	P.O. Box 27205, Richmond, VA 23261.
Caschem, Inc	201.858-7900	40 Avenue A, Bayonne, NJ 07002.
Catawba-Charlab, Inc	704.5234242	5046 Old Pineville Rd., Charlotte, NC 28217.
Cello Corp	410-939.1234	1354 Old Post Rd., Havre de Grace, MD 21078.
Certainteed Corp	215.341-7000	750 Old 5 Wedesford Rd., Forge, PA 19482.
Certified Processing Corp	201.923-5200	U.S. Highway 22, Hillside, NJ 07205.
Chattem, Inc	615-8214571	1715 W. 38th St., Chattanooga, TN 37409.
Chemdesign Corp	508.345-9999	99 Development Rd., Fitchburg, MA 01420.
Chemfax, Inc	601.863-6511	10045 Three River Rd., Gulfport, MS 39502.
Chemical Exchange Industries, Inc	713.526-8291	P.O. Box 812, Houston, TX 77001.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Chemol Co	919.333-3050	2410 Randolph Ave., Greensboro, NC 27406.
Chevron Corp., Chevron Chemical Co	415.842-5500	6001 Bollinger Canyon Rd., San Ramon, CA 94583.
Ciba-Geigy Corp	914479-5000	444 Saw Mill River Rd., Ardsley, NY 10502.
Citgo Petroleum Corp	9184954000	P.O. Box 3758, Tulsa, OK 74102.
Citgo Refining & Chemicals, Inc	512.8444000	1801 Nuceces Bay Blvd., Corpus Christi, TX 78469.
Citizens Gas & Coke Utility	317.264-8802	3133 Southeastern Ave., Indianapolis, IN 46203.
Clark Oil & Refining Corp	314.854.9696	8182 Maryland Avenue, St. Louis, MO 63105.
Climax Performance Materials Corp	708458-8450	7666 W. 63rd St, SUMmit, IL 60501.
Coastal Chem, Inc	307.637-2700	P.O. Box 1287, Cheyenne, WY 82003.
Coastal Corp	713.877-1400	Nine Greenway Plaza, Houston, TX 77046.
Colgate-Paknolive Co	212-310-2000	300 Park Ave., New York, NY 10022.
Color Chem International Corp	404.993-5500	8601 Dunwoody Place, #334, Atlanta, GA 30338.
Cominco Fertilizers, (U.S.) Inc	509.8384600	W. 601 Riverside Ave., Spokane, WA 99220.
Conap, Inc	716.372-9650	1405 Buffalo St., Olean, NY 14760.
Conoco, Inc	713.293-2039	P.O. Box 2197, Houston, TX 77252.
Cook Composites and Polymers Co	816.391-6000	819 East 14th Ave., N. Kansas City, MO 64116.
Cookson Pigments, Inc	201.242-1800	256 Vanderpool St., Newark, NJ 07114.
Coopers Creek Chemical Corp	215.828-0375	884 River Rd., West Conshohocken, PA 19428.
Cosmic Plastics, Inc	805.257-3274	27939 Beale Court, Valencia, CA 91355.
Courtaulds Aerospace, Inc	818-702.8900	5454 San Fernando Rd., Glendale, CA 91203.
Croda, Inc	201-6444900	7 Century Dr., Parsippany, NJ 07054.
Crompton & Knowles Corp	215-775-8000	P.O. Box 341, Reading, PA 19603.
Crown Central Petroleum Corp	410.539-7400	1 N. Charles St., Baltimore, MD 21203.
Crown Metro, Chemicals, Inc	803.299-1331	P.O. Box 5165, Greenville, SC 29606.
Customs Resins	502-826.7641	P.O. Box 46, Henderson, KY 42420.
Cyprus Foote Mineral Co	215.889-9605	301 Lindenwood Dr., Malvern, PA 19355.
Cytec Industries, Inc	201.831-2768	5 Garrett Mountain Plaza, West Paterson, NJ 07424.
DSM Chemicals North America, Inc	706.849-6600	1 Columbia Nitrogen Rd., Augusta, GA 30901.
DSM Copolymer	504.355-5655	P.O. Box 2591, Baton Rouge, LA 70821.
Daicolor Pope, Inc	201.777-0200	33 Sixth Ave., Paterson, NJ 07524.
Dart Polymers, Inc., Sub. of Dart Container Corp	717-656.2236	60 E. Main St., Leola, PA 17540.
Day-Glo Color Corp	216.391-7070	4515 St. Clair Ave., Cleveland, OH 44103.
Deepwater Iodides, Inc	714-751.3522	P.O. Box 17599, Irvine, CA 92713.
Degussa Corp	201.641-6100	65 Challenger Rd., Ridgefield Park, NJ 07660.
Delta Resins & Refractories, Inc	414462-1200	6263 N. Teutonia Ave., Milwaukee, WI 53209.
Deltech Corp	2014284500	16 S. Jefferson Rd., Whippany, NJ 07981.
Dennis Chemical Co	314.771-1800	2700 Papin St., St. Louis, MO 63103.
Dexco Polymers	713.870-6352	12012 Wickchester, Suite 280, Houston, TX 77079.

Appendix A--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Dexter Corp:		
Aerospace Material Div	510458.8001	2850 Willow Pass Road, Pittsburgh, CA 94565.
Automotive Div	603474-5541	One Dexter Dr., Seabrook, NH 03874.
Dexter Electronic Material Div	203.627.9051	211 Franklin St., Olean, NY 14760.
Dexter Packaging Products	708.6234200	One E. Water St., Waukegan, IL 60085.
Dexter Chemical Corp	718.542-7700	845 Edgewater Rd., Bronx, NY 10474.
Dial Corp	602-248.2800	2000 Aucutt Rd., Montgomery, AL 60538.
Diamond Polymers, Inc	216-773.2700	1353 Exeter Rd., Akron, OH 44316.
Diamond Shamrock Refining Co., L P	210.641-6800	P.O. Box 696000, San Antonio, TX 78269.6000.
Diaz Chemical Corp	718.638-6321	40 Jackson St., Holley, NY 14470.
Diversified Technology, Inc	9046734136	1625 State Ave., Holly Hill, FL 32117.
Dixie Chemical Co., Inc	713.863-1947	P.O. Box 130410, Houston, TX 77219.
Dock Resins Corp	908.862-2351	1512 W. Elizabeth Ave., Linden, NJ 07036.
Dover Chemical Corp. Sub. of ICC Industries, Inc	216.343-7711	3676 Davis Rd., NW, Dover, OH 44622.
Dow Chemical Co	517.636-6000	2020 Willard H. Dow Center, Midland, MI 48674.
Dow Coming Corp	5174964000	2200 W. Salzburg Rd., Auburn, MI 48611.
Drexel Chemical Corp	901.7744370	2487 Pennsylvania St., Memphis, TN 38190.
Drummond Co., Inc	205.945-6301	P.O. Box 10246, Birmingham, AL 35202.0246.
Ducoa, L.P.	618-654-2070	115 Executive Dr., Suite 104, Highland, IL 62249.
E. I. duPont de Nemours & Co., Inc	302.774-1000	1007 Market St., Wilmington, DE 19898.
Dye Specialties, Inc	201.866-9504	100 Plaza Center, Secaucus, NJ 07096.
Dynachem, Inc	217.662-2136	P.O. Box 19, Georgetown, IL 61846.
Dynagen, Inc., Sub. of General Tire. Inc	216.798-3000	2000 East Poole Rd., Odeessa, TX 78766.
EGP Fuels Co	713.853-6161	P.O. Box 1188, Houston, TX 77251-1188.
EMS-American Grilon, Inc	803481-9173	P.O. Box 1717, Sumter, SC 29151.
ESCO Co., L.P.	616.726-3106	1221 E. Barney Ave., Muskegon, MI 49443.
Eagle Pitcher Industries, Orthane Div	513-721-7010	580 Walnut St., Cincinnati, OH 45202.
Eastern Color & Chemical Co	401.331-9000	35 Livingston St., Providence, RI 02904.
Eastman Kodak Co	716.7244000	343 State St., Rochester, NY 14650.
Tennessee Eastman Co. Div	615.229-2000	P.O. Box 511, Kingsport, TN 37862-5054.
Texas Eastman Co. Div	903.237-5122	P.O. Box 7444, Longview, TX 75607.
Elan Chemical Co	201.344-8014	288 Doremus Ave., Newark, NJ 07105.
Elco Corp. Sub. of Detrex Chemical Industries, Inc	216-749.2605	1000 Bernina Rd., Cleveland, OH 44109.
Elf Atochem North America	215.587-7000	Three Parkway, Philadelphia, PA 19102.
Emkay Chemical Co	908.352-7053	319 Second St., Elizabeth, NJ 07206.
Empire Coke Co	205.323-2400	1921 First Ave., N., Suite 900, Birmingham, AL 35203.
Enenco, Inc	901-6847000	755 Crossover Lane, Suite 216, Memphis, TN 38117.
Engelhard Corp	908-205-5000	101 Wood Ave., Iselin, NJ 08830-0770.
Enron Methanol Co	713.853-6161	P.O. Box 1188, Houston, TX 77251-1188.
Epsilon Products Co	610497-8850	Post Road & Bluebell Ave., Marcus Hook, PA 19061.
Esschem, Inc	215-521.3800	Governor Printz Blvd., Essington, PA 19029.

Appendix A--Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Essential Industries, Inc	414.538-1122	28391 Essential Rd., Merton, WI 53056.
Ethichem Corp	201-684-4441	190 19th Ave., Paterson, NJ 07504.
Ethox Chemicals, Inc	803.277-1620	P.O. Box 5094, Greenville, SC 29606.
Ethyl Corp	804-788.5000	330 S. 4th St., Richmond, VA 23217.
Eval Company of America	708.7194610	1001 Warrenville Rd., Suite 201, Lisle, IL 60532.
Exxon Chemical Americas	713.870-6000	P.O. Box 3272, Houston, TX 77253-3272.
FMC Corp:		
Agricultural Chemical Group	215.299-6000	1735 Market St., Philadelphia, PA 19103.
Peroxygen Chemicals Div	215.299-6000	1735 Market St., Philadelphia, PA 19103.
Process Additives Div	215.299-6000	1735 Market St., Philadelphia, PA 19103.
Fabricolor Manufacturing Corp	201.742-3900	24-112 Van Houten St., Paterson, NJ 07505.
Fairmount Chemical Co., Inc	201.344-5790	117 Blanchard St., Newark, NJ 07105.
Farmland Industries, Inc	816.459-6000	P.O. Box 308, Lawrence, KS 66044 and 1417 Lower Lake Rd., St. Joseph, MO 64502.
	816.238-8111	
Ferro Corp.:		
Bedford Chemical Div	216.641-8580	7050 Krick Rd., Walton Hills, OH 44146.
Grant Chemical Div	504-654-6801	P.O. Box 263, Baton Rouge, LA 70821.
Keil Chemical Div	219-931-2630	3000 Sheffield Ave., Hammond, IN 46320.
Fiber Industries, Inc	704.357-2000	5146 Parkway Plaza Blvd., Charlotte, NC 28217.
Fina Oil & Chemical Co	214-750-2400	P.O. Box 2159, Dallas, TX 75221.
Finetex, Inc	201.7974686	P.O. Box 216, Elmwood Park, NJ 07407.
Firestone Tire & Rubber Co.:		
Firestone Fibers & Textile Co	615.872-5000	105 Winston Churchill Dr., Hopewell, VA 23860.
Firestone Synthetic Rubber & Latex Co. Div	216.379-7811	P.O. Box 26611, Akron, OH 44319-0006.
Firmenich, Inc	609452.1000	250 Firmenich Way Plainsboro Rd., Plainsboro, NJ 08536.
First Chemical Corp	601.762-0870	P.O. Box 7005, Pascagoula, MS 39568.7005.
Flambeau Paper Corp	715.762-5235	200 N. First Ave., Park Falls, WI 54552.
Fleming Laboratories, Inc	704-372.5613	2215 Thrift Rd., Charlotte, NC 28234.
Formosa Plastics Corp-Louisiana	504-356.3341	P.O. Box 271, Baton Rouge, LA 70821.
Fragrance Resources, Inc	908.264-6767	275 Clark St., Keyport, NJ 07735.
Franklin International, Inc	614-443-0241	2020 Bruck St., Columbus, OH 43207.
Freeport-McMoran Resource Partners, L.P.	504-5824000	1615 Poydras St., New Orleans, LA 70112.
H.B. Fuller Co	612481-1588	820 Woburn St., Wilmington, MA 01887 and 4450 Malsbary Rd., Blue Ash, OH 45242.
	612.845-3401	
GFS Chemicals, Inc	614.881-5501	P.O. Box 245, Columbus, OH 43065.
Galaxie Chemical Corp	201.279-0558	26 Piercy St., Paterson, NJ 07524.
Ganes Chemicals, Inc	201.5074336	630 Broad St., Carlstadt, NJ 07072
Gaylord Chemical Corp	504.649-5484	P.O. Box 1209, Slidell, LA 70459.1209
Gencorp Polymers Products Latex Unit	216.8694200	165 S. Cleveland Ave., Mogadore, OH 44260.
Genencor, International Inc	716.256-5200	4 Cambridge Place, Rochester, NY 14618.

Appendix A--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
General Electric Co.:		
Electromaterials Div	614.622-5310	1350 S. Second St., Coshocton, OH 43812.
GE Plastic Div	4134484624	One Plastic Ave., Pittsfield, MA 01201.
Silicone Products Div	518.233-3377	260 Hudson River Rd., Waterford, NY 12188.
General Latex and Chemical Corp	617.576-8000	1526 Cleveland Ave., Ashland, OH 44805.
Geon Co	216447-7656	6100 Oak Tree Blvd., Cleveland, OH 44131.
Georgia Gulf Corp:		
Houston Div	404.3954500	3503 Pasadena Freeway, Pasadena, TX 77501.
Plaquemine Div	404.3954500	400 Perimeter Center Terrace, Suite 595, Atlanta, GA 30348.
PVC Compound Div	404-3954500	P.O. Box 629, Plaquemine, LA 70765-0629.
Georgia-Pacific Corp.:		
Bellingham Div	206.7334410	P.O. Box 1236, Bellingham, WA 98227.
Resins, Inc	404-652.8403	55 Park Pl., 19th Fl., Atlanta, GA 30303.
Gillette Chemical Co	617421-7000	3500 W. 16th St., N. Chicago, IL 60064.
Givaudan Corp	201.365-8000	100 Delawanna Ave., Clifton, NJ 07014.
Glidden Co	216.3446000	925 Euclid Ave., Cleveland, OH 44115.
B. F. Goodrich Co	216.374-2000	3925 Embassy Pkwy., Akron, OH 44333.
Goodyear Tire & Rubber Co	216.796-2121	1144 E. Market St., Akron, OH 44316.
W. R. Grace & Co.:		
Organic Chemicals Div., Nitroparaf ins	407.362-2000	One Town Center Rd., Boca Raton, FL 33486.
Grain Processing Corp	319.2644211	1600 Oregon Street, Muscatine, IA 52761.
Grant Industries, Inc	201.791-6700	P.O. Box 360, Elmwood Park, NJ 07407.
Great Lakes Chemical Corp	317497.6100	One Great Lakes Blvd., W. Lafayette, IN 47906.
Gresco, Mfg. Inc	910475.8101	216 E. Holly Hill Rd., Thomasville, NC 27360.
Grinstead Products, Inc	913.764-8100	201 Industrial Parkway, Industrial Airport, KS 66031.
Guardsman Products, Inc	616452.5181	1350 Steele Ave. SW., Grand Rapids, MI 49507.
Gulf States Steel, Inc	205.543-6201	174 South 26th St., Gadsden, AL 35904.
Guth Corp	414-644-6461	P.O. Box 347, Slinger, WI 53086.
HEW, Inc	601.863-6600	14405 Seaway Rd., Gulfport, MS 39502.
Haarmann & Reimer Corp	201467.5600	70 Diamond Rd., Springfield, NJ 07081.
Food Ingredients Div.	219.262-6916	1127 Myrtle St., Elkhart, IN 46515.
C. P. Hall Co	312-554-7400	311 S. Wacker, Suite 4700, Chicago, IL 60606.
Halocarbon Products Corp	201-262.8899	887 Kinderkamack Rd., River Edge, NJ 07661.
Hampshire Chemical Corp.:		
Evans Chemetics Div	617.861-9700	55 Hayden Ave., Lexington, MA 02173.
Hampshire Div	617.861-9700	55 Hayden Ave., Lexington, MA 02173.
Polymers & Chemicals Div	617.861-9700	55 Hayden Ave., Lexington, MA 02173.
Harcros Chemicals, Inc	913.321-3131	5200 Speaker Rd., Kansas City, KS 66110.
Hart Products Corp	201433-6676	173 Sussex St., Jersey City, NJ 07302.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Hatco Chemical Co	908.738-1000	King George Post Rd., Fords, NJ 08863.
Helmerich & Payne, Inc., Natural Gas Odorizing Div	713424-5568	3601 Decker Dr., Baytown, TX 77520.
Henkel Corp	215.270-8100	2200 Renaissance Blvd., Suite 200, Gulph Mills, PA 19406.
Hercules, Inc	302.594-5000	Hercules Plaza, Wilmington, DE 19894.
Heresite Protective Coating, Inc	414-684-6846	822 S. 14th St., Manitowoc, WI 54220.
Heterene Chemical Corp	201.278.2000	790 21st Ave., Paterson, NJ 07513.
Hewitt Soap Co., Inc	513.253-1151	333 Linden Ave., Dayton, OH 45403.
Hexcel Corp., Hexcel Resins Product Div	415.8284200	20701 Nordhoff St., Chatsworth, CA 91311.
Hickson Danchem Corp.	804.797-8120	P.O. Box 400, Danville, VA 24543.
High Point Chemical Corp	919.884-2214	243 Woodine St., High Point, NC 27261.
Hilton Davis Chemical Co	513.8414000	2335 Langdon Farm Rd., Cincinnati, OH 45237.
Himont, USA, Inc	302.996-6000	P.O. Box 15439, Wilmington, DE 19850.
Hoechst Celanese Corp:		
Chemical Group	214-2774000	1601 W. LBJ Freeway, Dallas, TX 75381.9005.
Fibers Industrial Div	908-231-2000	P.O. Box 5887, Spartanburg, SC 29304.5887.
Sou-Tex	908.231-2000	P.O. Box 2500, Mt. Holly, NC 28120.
SpecialityChem Group, Coventry Plant	908.231-2000	500 Washington St., Coventry, RI 02816.
Hoffmann-LaRoche, Inc	201.235-5000	340 Kingsland St., Nutley, NJ 07110.
Honig Chemical & Processing Corp	201.344-0881	414 Wilson Ave., Newark, NJ 07105.
Houghton International, Inc	610.6664000	Madison & Van Buren Ayes., Valley Forge, PA 19482.
Huls America, Inc	201.981-5000	80 Centennial Ave., Piscataway, NJ 08855-0458.
Hurmiel Croton, Inc	908.754-1800	10 Harmich Rd., S. Plainfield, NJ 070804899.
Humphrey Chemical Co, Inc	203.281-0021	45 Divine St., N. Haven, CT 06473.
Huntington Laboratories, Inc	219.356-8100	970 E. Tipton St., Huntington, IN 46750.
Huntsman Chemical Corp	801.532-5200	2000 Eagle Gate Tower, Salt City, UT 84111-1098.
IBIS Limited Partnership	704.527-9000	8720 Red Oak Blvd., Suite 401, Charlotte, NC 28224-1608.
ICI Americas, Inc:		
Films Group Div	302.886-3000	Concord Pike & Murphy Rd., Wilmington, DE 19897.
ICI Fluoropolymers	610.3634740	475 Creamery Way, Exton, PA 19341.
ICI Acrylic, Inc	314.966-3111	10091 Manchester Rd., St. Louis, MO 63122.
Polyurethanes Group	609.423-8300	286 Mantua Grove Rd., W. Deptford, NJ 08066-1732.
Speciality Product Div	302.888-3000	Concord Pike & Murphy Rd., Wilmington, DE 19897.
INDSPEC Chemical Corp	412.765-1200	411 Seventh Ave., Pittsburgh, PA 15219.
ISK Biotech Corp	216.3574100	5966 Heisley Rd., Mentor, OH 44060.
ISP Chemicals, Inc	201.628-3000	P.O. Box 37, Calvert City, KY 42029.
ISP-Van Dyk, Inc	201.628-3000	11 William St., Belleville, NJ 07109.
IV AX Industries	3054914829	Rock Plaza 3, 101 Rock Rd., Horsham, PA 19044.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Imitec, Inc	518.374-9101	1990 Maxon Rd., Schenectady, NY 12308.
Indol Color Co., Inc	201.242-1300	1029 Newark Ave., Elizabeth, NJ 07207.
Industrial Color, Inc	815-722.7402	50 Industry Ave., Joliet, IL 60435.
Inland Steel Co	312.346-0300	3210 Watling, St., E. Chicago, IL 46312.
Index Chemical Co	215-271.0800	Jackson & Swanson Sts., Philadelphia, PA 19148.
Insilco Corp., Sinclair Paint Co. Div	213-888.8888	6100 South Garfield Ave., Commerce, CA 90040.
Insulating Materials, Inc	518.395-3300	1 Campbell Rd., Schenectady, NY 12306.
International Flavor & Fragrances Inc	908.2644500	1515 Highway 36, Union Beach, NJ 07735.
InterplastiC Corp	612481-6860	1225 Wahers Blvd., Vadnois Heights, MN 55110.
JTM Products, Inc	216.341-2212	9505 Cassius Ave., Cleveland, OH 44105.
Jams River Paper Co., Inc	804.644-5411	4th & Adams Sts., Camas, WA 98607.
Jarchem Industries, Inc	201.344-0600	414 Wilson Ave., Newark, NJ 07105.
Javelins Co	713-877.7510	Nine Greenway Plaza, Houston, TX 77046.
George A. Jeffreys & Co., Inc	703.389-8220	528 Chapman St., Salem, VA 24153.
Andrew Jergens Co	513421.1400	2535 Spring Grove Ave., Cincinnati, OH 45214.
Jetco Chemicals, Inc	903.874-9500	P.O. Box 1898, Corsicana, TX 75110.
Johnson Matthey, Inc	609.384-7001	2003 Nolte Dr., W. Deptford, NJ 08066-1742.
S. C. Johnson & Son, Inc	414-631-2000	1525 Howe St., Racine, WI 53403.
Jones-Blair Co	214.353-1600	2728 Empire Central, Dallas, TX 75235
Kalama Chemical, Inc	206.682-7890	Bank of California Center, Suite 1110, Seattle, WA 98164.
Kama Corp	717455-2022	666 Dietrich Ave., Hazelton, PA 18201.
Kaneka Texas Corp	713-840.1751	17 S. Briar Hollow Lane, Suite 307, Houston, TX 77027.
Karlshamns USA	614.299-3131	P.O. Box 1759, Janesville, WI 53547-1759.
Kelly-Moore Paint Co., Inc	415.592-8337	987 Commercial St., San Carlos, CA 94070.
Kemin Industries, Inc	515-266.2111	2100 Maury St., Des Moines, IA 50317.
Kenrich Petrochemicals, Inc	201.823-9000	140 E. 22nd St., Bayonne, NJ 07002.
Kerr-McGee Refining Corp	713.6384700	P.O. Box 3367, Houston, TX 77253.
Keycor Century Corp	805-259.2360	P.O. Box 924, Santa Clarita, CA 91380.
Keystone Color Works, Inc	717.854-9541	151 W. Gay Ave., York, PA 17403.
Kincaid Enterprises, Inc	304-755.3377	P.O. Box 549, Nitro, WV 25143.
Koch Refining Co	316.832-5539	411 E. 37th N., Wichita, KS 67220.
Koppers Industries, Inc	412.227-2001	436 Seventh Ave., Pittsburgh, PA 15219-1800.
LCP Chemicals, Maine Div. of Hanlin Group, Inc	1.800-5264836	P.O. Box 189, Orrington, ME 04474.
LTV Steel Co., Inc	216-622-5000	LTV Steel Bldg., 25 W. Prospect Ave., Cleveland, OH 44115.
Lake States Div. of Rhinelander Paper Co	715.3694217	515 W. Davenport St., Rhinelander, WI 54501.
LaRoche Chemical, Inc	504.356-8421	1200 Airline Hwy., Baton Rouge, LA 70821.
LaRoche Industries Inc	404.851-0475	1100 Johnson Ferry Rd., Atlanta, GA 30342.
Lawter International, Inc	7084984700	990 Skokie Blvd., Northbrook, IL 60062.
Leatex Chemical Co	215-739-6324	2722 N. Hancock St., Philadelphia, PA 19133.

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 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
C. Lever Co., Inc	215-639-8640	736 Dunks Ferry Rd., Bensalem, PA 19020-6575.
Lever Brothers Co	212.688-6000	390 Park Ave., New York, NY 10022.
Lignotech (U.S.), Inc	203.625-0701	81 Holly Hill Lane, Greenwich, CT 06830. •
Eli Lilly & Co	317.276-6448	Lilly Corporate Center, Indianapolis, IN 46285.
Eli Lilly Industries, Inc	809.257-5555	Call Box 1198 - Pueblo Station, Carolina, PR 00630-1198.
Lilly Industries, Inc	317.634-8512	733 S. West St., Indianapolis, IN 46225.
Lomac, Inc	616.788-2341	5025 Evanston Ave., Muskegon, MI 49442.
Lonza, Inc	201-794-2400	17-17 Route 208, Fair Lawn, NJ 07410 and
	213.584-5600	P.O. Box 01557, Los Angeles, CA 90001.
Lord Corp., Chemical Products Div	814.868-3611	2000 W. Grandview Blvd., Erie, PA 16514-0038.
Louisiana Chemical Specialities, Inc	504-767-0452	P.O. Box 82727, Baton Rouge, LA 70810.
Lyondell-Citgo Refining Co., Ltd	713475-4111	12000 Lawndale, Houston, TX 77017.
Lyondell Petrochemical Co	713.652-7200	1221 McKinney, Suite 1600, Houston, TX 77253-1474.
McLaughlin Gormley King Co	612-544-0341	8810. 10th Ave. N., Minneapolis, MN 55427-4372.
McWhorter, Inc	708428-2657	400 E. Cottage Place, Carpentersville, IL 60110.
MacKenzie Chemical Works, Inc	504.886-2000	78015 Chemical Rd., Bush, LA 70431.
MAK Chemical Corp	317.288-4464	1200 Rochester Ave., Muncie, IN 47302-0423.
Magnesium Elektron, Inc	908.782-5800	500 Point Breeze Road, Flemington, NJ 08822.
Magruder Color Co., Inc	201.242-1300	1029 Newark Ave., Elizabeth, NJ 07207-0498.
Mallinckrodt Chemicals, Inc	314-539-1136	3600 N. Second St., St. Louis, MO 63147 and
	919-878-2800	P.O. Box 17627, Raleigh, NC 27619.
Mameco International, Inc	216.752-4400	4475 E. 175th Street, Cleveland, OH 44126.
Marathon Oil Co	419422.2121	539 S. Main St., Findlay, OH 45840.
Marlowe-Van Loan Corp	919.886-7126	1224 Ward St., High Point, NC 27260.
Max Marx Color Corp	201.373-7801	1200 Grove St., Irvington, NJ 07111.
Maxwell House Coffee/Kraft General Foods	713.221-8738	3900 Harrisburg, Houston, TX 77003.
Mayo Chemical Co., Inc	404-696-6711	5544 Oakdale Rd. S.E., Smyrna, GA 30082.
Melamine Chemicals, Inc	504-473-3121	9041 Highway 18, Donaldsonville, LA 70346.
Merck & Co., Inc	908423-1000	One Mark Drive, Whitehouse Station, NJ 08889.0100.
Merichem Co	713455.1311	1914 Haden Rd., Houston, TX 77015.
Miles Inc:		
Agricultural Chemicals Div	816-242.2350	8400 Hawthorn Rd., Kansas City, MO 64120.
Dyes & Pigments Div	412-777.2000	Mobay Rd., Pittsburgh, PA 15205-9741.
Houston Div	412.777-2000	P.O. Box 87220, Houston, TX 77287-7220.
Pittsburgh Div	412-777.2000	Mobay Rd., Pittsburgh, PA 15205-9741.
Polysar Rubber Div	412.394-5500	2603 W. Market St., Akron, OH 44313.
Milliken & Co., Milliken Chemical Div	803472.9041	P.O. Box 817, Inman, SC 29349.
Minnesota Mining & Manufacturing Co	612.733-1110	3M Center 224-6S-04, St. Paul, MN 55144-1000.

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Name of company	Telephone number	Office address
Mississippi Chemical Corp	601-7464131	P.O. Box 388, Yazoo City, MS 39194.
Mobil Oil Corp.:		
Beaumont Refinery Div	703-846.3000	3225 Gallows Rd., Fairfax, VA 22037-0001
Chemical Products Div	908-321-6000	P.O. Box 3140, Edison, NJ 08818-3140.
Gas Liquids Dept	703-846.3000	P.O. Box 900, Dallas, TX 75221.
Petrochemicals Div	713.590-7700	Intercontinental Center, 15600 Kennedy Blvd., Houston, TX 77032.
Mona Industries, Inc	201.345-8220	76 E. 24th St., Paterson, NJ 07544.
Monsanto Co	314.694.8039	800 N. Lindbergh Blvd., St. Louis, MO 63167.
Monsanto Agricultural Group	314.684-8039	800 N. Lindbergh Blvd., St. Louis, MO 63167.
Mooney Chemicals, Inc	216-781.8383	2301 Scranton Rd., Cleveland, OH 44113.
Moretex Chemical Products, Inc	803-583-8441	314 W. Henry St., Spartanburg, SC 29304.
Morflex, Inc	910.282-1781	2110 High Point Rd., Greensboro, NC 27403.
Morton International, Inc	508-774.3100	150 Andover St., Danvers, MA 01923.
Morton Chemical Div	312.807-2000	100 N. Riverside Plaza, Chicago, IL 60606.
Morton Chemical Div	312-807.2000	130 Montain Creek Church Rd., Greenville, SC 29602.
Speciality Chemicals Products	513-733-2100	2000 West St., Rearing, OH 45215.
Motomco, Ltd	608.244-2904	3699 Kinsman Blvd., Madison, WI 53704.
Mount Vernon Mills, Inc	803.2334151	P.O. Box 3478, Greenville, SC 29602.
The Murphy-Phoenix Co	216.248-2411	P.O. Box 39670, Solon, OH 44139.
NAMICO, Inc	215482-6600	4601 Flat Rock Rd., Philadelphia, PA 19127.
Napp Technologies, Inc	201.7713900	199 Main St., Lodi, NJ 07844.
National Casein Co	312.846-7300	601 W. 80th St., Chicago, IL 60620.
National Casein of New Jersey	312-846.7300	601 W. 80th St., Chicago, IL 60620.
National Starch & Chemical Corp	908.685-5000	10 Finderne Ave., Bridgewater, NJ 08807.
National Steel Corp., Great Lakes	313.2974626	1 Quality Dr., Ecorse, MI 48230.
Div		
Nepera, Inc	914.782-1200	Route 17, Harriman, NY 10926.
Neste Resins Corp	503-687-8840	1600 Valley River, Suite 390, Eugene, OR 97401.
Neville Chemical Co	412-3314200	2800 Neville Rd., Pittsburgh, PA 15225-1496.
New Boston Coke Corp	6144564154	600 River Ave., New Boston, OH 45662.
New Mexico Adhesives	503.756-0533	780 Airport Rd., Las Vegas, NM 87701.
Niacet Corp	716-285-1474	400. 47th St., Niagara Falls, NY 14304.
Niklor Chemical Co., Inc	310.830-2253	2060 E. 220th St., Long Beach, CA 90810.
Niles Chemical Paint Co	616.683-3377	P.O. Box 307, Niles, MI 49120.
The Norac Co., Inc	818.334-2908	405 S. Motor Ave., Azusa, CA 91702.
NOR-AM Chemical Co	302-892-3000	2711 Centerville Road, Wilmington, DE 19808.
Northwestern Flavors, Inc	708.231-6111	120 N. Aurora St., W. Chicago, IL 60185.
Novacor Chemicals, Inc	508.537-1111	690 Mechanic St., Leominster, MA 01453.
Novo Nordisk Biochem, Inc	9194942014	State Road 1003, Franklinton, NC 27525.
NuSil Technology	805.566-1441	1040 Cindy Lane, Carpinteria, CA 93013.
The NutraSweet Co	708.940-9800	1751 Lake Cook Rd., Deerfield, IL 60015.
Nylon Corp. of America	603.627-5150	333 Sundial Ave., Manchester, NH 03103-7230.

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Name of company	Telephone number	Office address
Occidental Chemical Corp.:		
Chemical Group	214404-3300	5005 LBJ Freeway, Dallas, TX 75244.
Polymers-Plastic Group	214404.3800	5005 LBJ Freeway, Dallas, TX 75244.
Olin Corp	203.356-2000	120 Long Ridge Rd., Stamford, CT 06904.
Omega Chemicals, Inc	803-582.5346	P.O. Box 1723, Spartanburg, SC 29304
Organics\LaGrange, Inc	312.764-6700	1935 Techny Rd., Northbrook, IL 60062.
Orient Chemical Corp	908.3554010	1201 Corbin St., Elizabeth, NJ 07201.
Original Bradford Soap Works, Inc	401.821-2141	200 Providence St., W. Warwick, RI 02893.
C. J. Osborn Chemicals, Inc	609.662-0128	820 Sherman Ave., Pennsauken, NJ 08110.
Owens-Corning Fiberglas Corp	419-248.8000	Fiberglas Tower, Toledo, OH 43659.
Oxy Petrochemicals, Inc	214404.3800	Occidental Tower, 5005 LBJ Freeway, Dallas, TX 75244.
Oxymar	512.776-6371	Highway 361, Gregory, TX 78359.
PCI, Inc	513.681-0099	266 W. Mitchell Ave., Cincinnati, OH 45232.
PCR, Inc	904-376-8246	P.O. Box 1466, Gainsville, FL 32609.
P.D. George Co	314-621-5700	P.O. Box 66756, St. Louis, MO 63166.
PD Glycol	409.8384521	P.O. Box 3785, Beaumont, TX 77704.
PMC Inc., PMC Specialities Group	216-356.0700	20525 Center Ridge Rd, Rocky River, OH 44116.
PMP Fermentation Products, Inc	708.928-0050	9525 W. Bryn Mawr Ave., Suite 725, Rosemont, IL 60018.
PPG Industries, Inc	412434-3131	One PPG Place, Pittsburgh, PA 15272.
Packaging Corp. of America	818.968-3801	14505 Proctor Ave., Industry, CA 91749.
Para-Chem Southern, Inc	803.967-7691	P.O. Box 127, Simpsonville, SC 29681.
Parish Chemical Co	801.226-2018	145 N. Geneva Rd., Vineyard, UT 84057.
Parke-Davis Div., of Warner Lambert, Inc	201.540-2000	188 Howard Ave., Holland, MI 49424.
Passaic Color & Chemical Co	201.279-0400	28.36 Paterson St., Paterson, NJ 07501.
Div. of Royce Associates, ALP		
C. H. Patrick & Co., Inc	803.2444831	P.O. Box 2526, Greenville, SC 29602.
Paxon Polymer Co., L.P.	504-775.4330	P.O. Box 53006, Baton Rouge, LA 70892-3006.
PeIron Corp	708-442.9100	7847 W. 47th St., Lyons, IL 60534.
Penn Carbose, Inc	814443.1611	100 Maple St., Somerset, PA 15501.
Pennzoil Products Co., Penreco Div	412.756-0110	P.O. Drawer C, Dickinson, TX 77539.
Perstorp Compounds, Inc	413.584-2472	238 Nonotuck St., Florence, MA 01060.
Perstorp Polyols, Inc	419.729-5448	600 Matzinger Rd., Toledo, OH 43612.
Pf anstiehl Laboratories, Inc	708.623-0370	1219 Glen Rock Ave., Waukegan, IL 60085.
Pfister Chemical, Inc	201.945-5400	Linden Ave., Ridgefield, NJ 07657.
Pfizer, Inc	212.573-2323	235 E. 42nd St., New York, NY 10017.
Pfizer Pharmaceuticals, Inc	809.8464300	P.O. Box 628, Barceloneta, PR 00617.
Pharmachem Corp	215.8674654	P.O. Box 1035, Bethlehem, PA 18016-1035.
Pharmacia P-L Biochemicals, Inc	414.227-3600	2202 N. Bartlett Ave., Milwaukee, WI 53202.
Phelps Dodge Industries, Inc	218421.5400	4300 New Haven Ave., Fort Wayne, IN 46803.
Phelps Dodge Magnet Wire Co		
Phibro Refining	713.659-3525	500 Dallas, Houston, TX 77002.
Phillips 66 Co	918-661-6800	Phillips Bldg., Bartlesville, OK 74004.
Phillips Puerto Rico Core, Inc	809.864-1515	Call Box 10003, Guayama, PR 00785.
Phthalchem, Inc	513-681.0099	266 W. Mitchell Ave., Cincinnati, OH 45232.
Piedmont Chemical Industries, Inc	910.885-5131	P.O. Box 2728, High Point, NC 27261.
Pierce Chemical Co	815.968-0747	3747 N. Meridan Rd., Rockford, IL 61101.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Nam of comoanv	Telephone number	Office address
Pilot Chemical Co	213.723-0036	11756 Burke St., Santa Fe Springs, CA 90670.
Pioneer Plastics Corp	207.784-9111	1 Plaits Rd., Auburn, ME 04210.
Pittman-Moore, Inc	812.232-0121	1331 S: 1st St., Terre Haute, IN 47802.
Plaskolite, Inc	614-294-3281	P.O. Box 1497, Columbus, OH 43216.
Plaslok Corp	716-681-7755	3155 Broadway, Buffalo, NY 14227.
Plastics Engineering Co	414458.2121	3518 Lakeshore Rd., Sheboygan, WI 53083.
Plastics Manufacturing Co	214-330.8671	2700 S. Westmoreland, Dallas, TX 75150.
Poly Organix, Inc	508462.5555	9 Opportunity Way, Newburyport, MA 01950.
Pratt & Lambert, Inc	716.873-6000	P.O. Box 22, Buffalo, NY 14240.
Procter & Gamble Co	513-983.1100	2 Procter & Gamble Plaza, Cincinnati, OH 45201.
Procter & Gamble Mfg. Co	513-627-6386	Spring Grove & June Sts., St. Bernard, OH 45217.
Procter & Gamble Pharmaceuticals, Inc	607.335-2049	17 Eaton Avenue, Norwich, NY 13815.
QO Chemicals, Inc	317497-6110	P.O. Box 2500, W. Lafayette, IN 47906.0500.
Quaker Chemical Corp	610-8324000	Elm & Lee Sts., Conshohocken, PA 19428-0873.
Quaker Oats Co	312.222-7111	321 N. Clark St., Chicago, IL 60610.
Quantum Chemical Corp., USI Div	513-530-6500	11500 Northlake Dr., Cincinnati, OH 45249.
K. J. Quinn & Co., Inc	6034747177	135 Folly Mill Rd., Seabrook, NH 03874.
R-M Industries, Inc	803.548-3210	2300 Banks St., Fort Mill, SC 29715.
RPM, American Emulsions Co., Inc	706-226.7028	1202 Dozier St., Dalton, GA 30721.
RSA Corp	203.790-8100	36 Old Sherman Tpk., Danbury, CT 06810.
Ranbar Technology, Inc	412486.1111	1114 William Flinn Highway, Glenshaw, PA 15116.
Rayonier, Inc	203.964-4543	1177 Summer St., 5th FL, Stamford, CT 06905.
Regis Technologies, Inc	708.967-6000	8210 Austin Ave., Morton Grove, IL 60053.
Reichhold Chemicals, Inc	919.990-7500	2400 Ellis Rd., Durham, NC 27703.5543.
Reilly Industries, Inc	317.247-8141	1510 Market Square Center, Indianapolis, IN 46204.
Reilly-Whiteman, Inc	610.828-3800	801 Washington St., Conshohocken, PA 19428.
Rexene Corp	214450.9000	5005 LBJ Freeway, Occidental Tower, Dallas, TX 75244.
Rhone-Poulenc, Inc	908.297-0100	CN 5266, Princeton, NJ 08543.5266 and 275 Keystone Dr., Bethlehem, PA 18017.
Ricon Resins, Inc	303.245-8148	569 24-114 Road, Grand Junction, CO 81505.
Riverdale Chemical Co	708.754-3330	220 E. 17th St., Chicago Heights, IL 60411-3699.
Riverdale Industries, Inc	708.597-7990	13601 S. Ashland Ave., Riverdale, IL 60627.
Rogers Corp	203.774-9605	One Technology Dr., Rogers, CT 06263.
Rohm & Haas Co	215.592-3000	Independence Mall West., Philadelphia, PA 19106.
Rohm Tech, Inc	508.342-5831	83 Authority Dr., Fitchburg, MA 01420.
Roma Color, Inc	508-676-3481	749 Quequechan St., Fall River, MA 02723.
Roquette Corp	319-5245757	1417 Exchange St., Keokuk, IA 52632.
Rubicon, Inc	504.673-6141	P.O. Box 517, Geismar, LA 70734.
Ruco Polymer Corp	516.931-8104	New South Rd., Hicksville, NY 11802.

Appendix A-Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Ruetgers-Nease Chemical Co	814-238-2424	201 Struble Rd., State College, PA 16801.
SBS Products, Inc	517-7994941	302 Waller St., Saginaw, MI 48602.
SCM Glidco Organics Corp	904.768-5800	P.O. Box 389, Jacksonville, FL 32201.
SSC Industries, Inc	404.762.9651	1550 E. Taylor Ave., East Point, GA 30344.
Safeway, Inc	510-632-7373	1100 77th Ave., Oakland, CA 94621.
Salem Oil & Grease Co	508.745-0585	60 Grove St., Salem, MA 01970.
Salsbury Chemicals, Inc	515.257-1000	1205 11th St., Charles City, LA 50616.
Sandoz Chemical Corp.:		
Sandoz Agra, Inc	708.699-1616	1300 E. Touity Ave., Des Plaines, II 60018.
Sandoz Chemical Corp	704-331.7016	4000 Monroe Rd., Charlotte, NC 28205.
Schenectady International, Inc	518.3704200	Congress & 10th Ave., Schenectady, NY 12303.
Scher Chemicals, Inc	201471-1300	Industrial West, Clifton, NJ 07012.
Schering Corp	201.2984000	1011 Morris Ave., Union, NJ 07083.
Scientific Protein Laboratories	608.849-5944	700 E. Main St., Waunakee, WI 53597.
Scott Polymers, Inc	817.831-3541	3607 N. Sylvania Ave., Fort Worth, TX 76111.
G. D. Searle & Co	708-982.7000	5200 Old Orchard Rd., Skokie, IL 60077.
Sequa Chemicals, Inc	803.385-5181	P.O. Box 70, Chester, SC 29706.
Shakespeare Monofilament Div	803.754-7011	6111 Shakespeare Rd., Columbia, SC 29223.
Shell Oil Co	713.241-9548	P.O. Box 3105, Houston, TX 77253.
Shell Chemical Co	713.241-9548	P.O. Box 3105, Houston, TX 77253.
Shepherd Chemical Co	513-731.1110	4900 Beech St., Cincinnati, OH 45212.
Shintech, Inc	713.965-0713	24 Greenway Plaza, Suite 811, Houston, TX 77046.
J. R. Simplot Co	208-336.2110	P.O. Box 912 Pocatello, ID 83204.
Sloss Industries, Inc	205-254-7803	P.O. Box 5327, Birmingham, AL 35207.
SmithKline Beecham Pharmaceuticals	908469-5200	101 Possumtown Rd., Piscataway, NJ 08854.
Smooth-On, Inc	908.647-5800	1000 Valley Rd., Gillette, NJ 07933.
Soluol Chemical Co., Inc	401-821.8100	Green Hill & Market Sts., W. Warwick,
Solvay Polymers, Inc	713.5254000	P.O. Box 1000, Deer Park, TX 77536.
Southeastern Adhesives	704-754-3493	P.O. Box 2070, Lenoir, NC 28645.
Southern Resin, Inc	919475-1348	1510 Denton Rd., Thomasville, NC 27360.
SpecialtyChem Products Corp	715.735-9033	2 Stanton St., Marinette, WI 54143.
Specialty Organics, Inc	818.962-2008	5623 N. 4th St., Irwindale, CA 91706.
Spectrachem Corp	201.595-8181	200 Sheridan Ave., Paterson, NJ 07512.
Stahl, USA	508.531-0371	13 Corwin St., Peabody, MA 01960.
Stamford Corp, Inc	203.325-2531	66 Viaduct Rd., Stamford, CT 06907.
Standard Chlorine of Delaware, Inc	201.997-1700	1035 Belleville Turnpike, Kearny, NJ 07032.
Stepan Co	708.446-7500	22 West Frontage Rd., Northfield, IL 60093.
Sterling Chemicals, Inc	713.650-3700	1200 Smith, Suite 1900, Texas City, TX 77002.
Sterling Drug, Inc	212.907-2000	P.O. Box 11247, Barcelonita, PR 00617.
Sterling Organics Div	518.445-8631	33 Riverside Ave., Rensselaer, NY 12144.
Stockhausen, Inc	919-333.3500	2408 Doyle St., Greensboro, NC 27406.
D.A. Stuart Co	708-6554595	7575 Plaza Court, Willowbrook, IL 60521
Sun Co., Inc	201.224-3272	1801 Market St., Philadelphia, PA 19103.
Sun Chemical Corp., Pigments Div	201.2244600	520 Spring Grove, Cincinnati, OH 45232-1984.

Appendix A--Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Surface Coatings, Inc	617.9334200	100 Eames St, Wilmington, MA 01887.
Sybron Chemical, Inc	609-893.1100	Birmingham Rd., Birmingham, NJ 08011.
Synair Corp	615-698-8801	2003 Amnicola Hwy., Chattanooga, TN 37406.
Synalloy Corp., Blackman Uhler	803.585-3605	2155 W. Croft Circle, Spartanburg, SC 29304.
Chemical Div		
Synray Corp	908.245-2600	209 N. Michigan Ave., Kenilworth, NJ 07033.
Syntex Agribusiness, Inc	417-866.7291	P.O. Box 1246, Springfield, MO 65801.
Synthetic Products Co	216.531-6010	1000 Wayside Rd., Cleveland, OH 44110.
Synthron, Inc	704437.8611	305 Amherst Rd., Morganton, NC 28655-9372.
Takeda Chemical Products USA, Inc	910.762-8666	101 Tekeda Dr., Wilmington, NC 28401.
Teknor Apex Co	401-725-8000	505 Central Ave., Pawtucket, RI 02862.
Teledyne Ryan Aeronautical-McCormick Selph Ordnance Products	408-637.3731	3601 Union Rd., Hollister, CA 95023.
Terra International, Inc	712.277-1340	Terra Centre, 600 - 4th St., Sioux City, IA 51102 and 1000 Terra Dr., Woodward, OK 73801.
Texaco Chemical Co	713-961.3711	3040 Post Oak Rd., Houston, TX 77227-7707.
Texas Petrochemicals Corp	713477-9211	8600 Park Place Blvd., Houston, TX 77017.
Tonawanda Coke Corp	716.876-6222	3875 River Rd., Tonawanda, NY 14150.
Toray Plastics Americas, Inc., Lumirror Div	401.284-1550	21 Cripe St., N. Kingstown, RI 02852. .
Triad Chemical	504473.9231	39041 Highway 18 West, Donaldsonville, LA 70346.
Trimet Technical Products, Inc	610433-6330	2409 N. Cedar Crest Blvd., Allentown, PA 18104.
Troy Chemical Corp	201-589-2500	One Avenue L, Newark, NJ 07105.
Tull Chemical Co., Inc	205.831-3845	P.O. Box 3246, Oxford, AL 36203.
Twin Lake Chemical, Inc	716433-3824	520 Mill St., Lockport, NY 14094.
UNOCAL	213.977-7746	1201 W. Fifth St., Los Angeles, CA 90017.
UOP, Inc	708.391-2000	25 E. Algonquin Road, Des Plaines, IL 60017.5017.
Uhlich Color Co., Inc	914478.2000	1 Railroad Ave., Hastings-on-Hudson, NY 10706.
Ultraform Co	205443.1600	Theodore Industrial Park, Theodore, AL 36582.
Unichema North America	312.376-9000	4650 S. Racine Ave., Chicago, IL 60609.
Union Camp Corp.:		
BBA Div	201.628-2000	1600 Valley Rd., Wayne, NJ 07470.
Chemical Div	201.628-9000	1600 Valley Rd., Wayne, NJ 07470.
Union Carbide Corp., Industrial Chemicals Div	304.747-7036	P.O. Box 8361, Charleston, WV 25303.
Union Texas Products Corp	713.623-6544	P.O. Box 2120, Houston, TX 77252.2120.
Uniroyal Chemical Co., Inc	203.573-2000	World Headquarters, Middlebury, CT 06749
United Aniline Co	617.7624057	Endicott St., Norwood, MA 02062.
United Color Manufacturing, Inc	215.860-2165	P.O. Box 480, Newton, PA 18940.
United Erie, Inc	814456.7561	438 Huron St., Erie, PA 16502.
U.S. Steel, Div. Of USX:		
Clairton Plant	4124334980	600 Grant St., Pittsburgh, PA 15219.
Gary Coke Operations	219.8884657	1 N Broadway, Gary, IN 46402.
Unites Chemical Corp	910.378-0965	520 Broome Rd., Greensboro, NC 27406.

Appendix A-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1993

Name of company	Telephone number	Office address
Uno-Ven Co	708.818-1800	3850 N. Wilke Rd., Arlington Heights, IL 60004.
The Upjohn Co	616.3234000	7000 Portage Rd., Kalamazoo, MI 49001.
Fine Chemicals	203.281-2700	41 Styles Lane, North Haven, CT 06473. '
Valentine Sugars, Inc	504-532.2541	129 Valentine Dr., Lockport, LA 70374.
Valero Refining & Marketing Co	512.246-2000	530 McCullough Ave., San Antonio, TX 78292.
Vanchem, Inc	716.433.6764	1 N. Transit Rd., Lockport, NY 14094.
VanDeMark Chemical Co., Inc	716.433-6764	1 N. Transit Rd., Lockport, NY 14094.
Vanderbilt Chemical Corp	203-744-3900	31 Taylor Ave., Bethel, CT 06801.
	203-853.1400	and Rt. #2, Box 54, Murray, KY 42071.
Velsicol Chemical Corp	708.298-9000	10400 W. Higgins Rd., Rosemont, IL 60018.
Vinings Industries, Inc	404.436-1542	3950 Cumberland Pkwy., Atlanta, GA 303394501.
Virkler Co	704-588-8500	12345 Steele Creek Rd., Charlotte, NC 28273.
Vista Chemical Co	713.588-3000	900 Threadneedle, Houston, TX 77079.
Vitamins, Inc	312.861-0700	200 E. Randolph Dr., Chicago, IL 80601-7799.
Vulcan Materials Co., Chemicals Div	205.877-3000	P.O. Box 530390, Birmingham, AL 35233-0390.
Vygen Corporation	216.998-1120	2425 Middle Road, Ashtabula, OH 44004.
Wacker Silicones Corp	517.264-8500	3301 Sutton Rd., Adrian, MI 49221.
Warner-Jenlincinson Co., Inc	314.889-7600	2526 Baldwin St., St. Louis, MO 63106.
Warner-Jenkinson Co., Inc	908.7574500	107 Wade Ave., S. Plainfield, NJ 07080.
Westinghouse Electric Corp.,	412.864-8200	Route 993, Manor, PA 15665.
Westlake Group	713-960-9111	Westlake Center, 2801 Post Oak Blvd., Houston, TX 77056.
WestPoint Stevens, Inc	404.8454000	1900 Cunningham Dr., Opelika, AL 36801.
GriffTex Chemicals		
Westvaco Corp	212.688-5000	299 Park Ave., NY, NY 10171.
Wheeling-Pittsburgh Steel Corp	304-234-2400	1134 Market St., Wheeling, WV 26003.
Whittemore-Wright Co., Inc	617.242-1180	62 Alford St., Charlestown, MA 02129.
Wil-Gro Fertilizer, Inc	918.825-3383	P.O. Box 429, Pryor, OK 74361.
Witco Corp	203.552-2000	One American Lane, Greenwich, CT 06831-2599.
Wright Chemical Corp	910.251-0234	102 Orange St., Wilmington, NC 28401.
Wyckoff Chemical Co., Inc	616.637-8474	1421 Kalamazoo St., S. Haven, MI 49090.
Wyeth Laboratories, Inc., Wyeth	610.902-3210	P.O. Box 13745, Philadelphia, PA 19101-3745.
Ayerst Laboratories Div. of American Home Products Corp		
Yorkshire Pat-Chem, Inc	803.233-3841	720 Worley Rd., Greenville, SC 29609.
Zeeland Chemicals, Inc	510.8284200	215 N. Centennial St., Zeeland, MI 49464.
Zeneca, Inc.:		
Agricultural Div	302-886.3000	1800 Concord Pike, Wilmington, DE 19897.
Resin Div	508-658-6600	730 Main Street, Wilmington, MA 01887.
Zeon Chemicals, Inc	708.437-9770	3 Continental Towers, Suite 1012, 1701 Gulf Road, Rolling Meadows, IL 60008.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

APPENDIX B
ALPHABETICAL CHEMICAL INDEX

Appendix B
Alphabetical Chemical Index

Chemical Name	HTS No.
Stearoyl chloride	22915700
Direct Yellow 157	32041430
Accelerators, activators, and vulcanizing agents, acyclic, other	38121050
Accelerators, activators, and vulcanizing agents, cyclic, other	38121010
Accent	29310050
Acetaldehyde	29121200
Acetaldehyde dimethylhydrazone	29280050
Acetal resins	39071000
Acetamide	29241010
Acetamidoethanol (N-Acetyl-ethanolamine)	29241050
Acetaminophen	29242939
Acetic acid, amides with polyalkylene polyamines, salt	34021250
Acetic acid salts, all other	29152900
Acetic acid, synthetic (100%)	29152100
Acetic anhydride, other than recovered acetic anhydride the vapor-phase process (100%)	29152400
Acetoacetanilide	29242145
o-Acetoacetanilide	29242911
Acetoacetarylide yellows, all others	32041750
o-Acetoacetotoluidide	29242911
2',4'-Acetoacetoxylidide	29242911
Acetoguanamine	29211950
Acetohexamide	29350039
2'-Acetonaphthone (I-Methyl naphthyl ketone)	29143000
Acetone	29141110
Acetone-formaldehyde resins	39119050
Acetonitrile	29269050
3-(a-Acetylbenzyl)-4-hydroxycoumarin (Warfarin)	29322910
Acetophenone, tech.	29143000
p-Acetotoluidide	29242950
1-Acetoxy-2-sec-butyl-1-etheny lcy clo hexane	29123050
6-Acetoxy-2,4-dimethyl-1,3-dioxane	29329050
4-(4-(acetoxy)phenyl)-2-butano ne (cue lure)	38089010
Acetylacetonates, all other	29310050
Acetyl cedrene (Vertoflex)	29153945
Acetylene (For chemical use only)	29012910
Acetylfuran	29321950
5-Acetyl-1,1,2,3,3,6-hexamethylindan (Phantolid)	29123050
N-Acetyl methyl anthranilate	29159018
2-Acetylpyridine	29333947
Acid Black 1	32041240
Acid Black 2	32041240
Acid Black 52	32041240
Acid Black 60	32041240
Acid Black 63	32041220
Acid Black 92	32041240
Acid Black 107	32041240
Acid Black 172	32041240
Acid Black 194	32041220
Acid Black 210	32041240
Acid black dyes, all other	32041220
Acid Blue 9	32041240

See footnote at end of table.

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<i>Chemical Name</i>	<i>HTS' No.</i>
Acid Blue 15	32041240
Acid Blue 25	32041240
Acid Blue 40	32041240
Acid Blue 41	32041240
Acid Blue 62	32041240
Acid Blue 90	32041240
Acid Blue 92	32041240
Acid Blue 113	32041240
Acid Blue 145	32041240
Acid Blue 193	32041220
Acid Blue 231	32041240
Acid Blue 281	32041250
Acid Blue 298	32041240
Acid Blue 324	32041250
Acid blue dyes, all other	32041250
Acid Brown 14	32041240
Acid Brown 19	32041240
Acid Brown 50	32041220
Acid Brown 96	32041240
Acid Brown 97	32041240
Acid Brown 98	32041240
Acid Brown 147	32041220
Acid Brown 159	32041220
Acid Brown 160	32041220
Acid Brown 161	32041220
Acid Brown 165	32041220
Acid Brown 188	32041210
Acid Brown 189	32041210
Acid Brown 239	32041220
Acid Brown 264	32041250
Acid Brown 439	32041240
Acid brown dyes, all other	32041250
Acid Green 1	32041240
Acid Green 16	32041240
Acid Green 20	32041240
Acid Green 25	32041240
Acid green dyes, all other	32041250
Acid Orange 7	32041240
Acid Orange 8	32041240
Acid Orange 10	32041240
Acid Orange 24	32041240
Acid Orange 60	32041240
Acid Orange 64	32041240
Acid Orange 89	32041220
Acid Orange 116	32041240
Acid Orange 128	32041240
Acid Orange 152	32041240
Acid Orange 156	32041240
Acid orange dyes, all other	32041250
Acid Red 4	32041240
Acid Red 14	32041240
Acid Red 73	32041240
Acid Red 87	32041240
Acid Red 182	32041240
Acid Red 226	32041220

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Acid Red 227	32041220
Acid Red 266	32041240
Acid Red 296	32041240
Acid Red 337	32041240
Acid Red 384	32041240
Acid Red 388	32041240
Acid Red 400	32041250
Acid Red 410	32041250
Acid Red 418	32041250
Acid Red 419	32041250
Acid red dyes, all other	32041250
Acids, acid anhydrides, and acyl halides, all other	29159018
Acid Violet 7	32041240
Acid Violet 12	32041240
Acid Violet 17	32041240
Acid Violet 49	32041240
Acid Yellow 5	32041250
Acid Yellow 17	32041240
Acid Yellow 19	32041240
Acid Yellow 23	32041240
Acid Yellow 34	32041240
Acid Yellow 42	32041240
Acid Yellow 49	32041240
Acid Yellow 59	32041240
Acid Yellow 65	32041240
Acid Yellow 73	32041240
Acid Yellow 127	32041220
Acid Yellow 135	32041220
Acid yellow 137	32041220
Acid Yellow 151	32041240
Acid Yellow 159	32041240
Acid Yellow 199	32041220
Acid Yellow 200	32041240
Acid Yellow 216	32041240
Acid Yellow 219	32041240
Acid Yellow 239	32041250
Acid yellow dyes, all other	32041250
Aclomethasone	29372200
Acrolein (Acrylaldehyde)	29121950
Acrylamide-2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	39069050
Acrylamide-acrylic acid copolymer, sodium salt	39069050
Acrylamide monomer	29241010
Acrylamide-trimethylaminoethyl acrylate chloride polymer	39069050
Acrylamide-trimethylaminoethyl methacrylate chloride	39069050
Acrylate-alkyd copolymer resins	39075000
Acrylic acid	29161100
Acrylic monomers	38239050
Acrylic-styrene-acrylonitrile	39039050
Acrylonitrile-butadiene-acrylic acid	40029900
Acrylonitrile-butadiene-styrene (ABS) terpolymer resins	39033000
Acrylonitrile, monomer	29269050
Acyclic amphoteric surface-active agents, all other	34021950
All other acyclic flavor and perfume materials	33021020
Acyclic fungicides, all other	38082050
Acyclic insecticides, all other	29349050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
Acyclic peroxides, all other	29096050
Acyclic phosphoric acid ester plasticizers, all other	29190050
Acyclic plasticizers, all other	29159050
Acyclovir	29339070
Acylic elastomers, all other	40029100
Adipic acid	29171210
Adipic acid, ammonium salt	29171250
Adipic acid-crosslinked polycrylamide	39069050
Adipic acid-diethylene triamine condensate	29212900
Adipic acid esters, all others	29171220
Adipic acid type complex linear polyesters and polymeric plasticizers	29171220
Adipic dihydrazide	29171250
Adiponitrile	29269050
Albumin	30019000
Albuterol sulfate	29225013
Alcohol mixtures, other	38239050
Alcohol mixtures, C-19 and C-20 only	38239050
Alcohol mixtures, C-11 or lower only	38239050
Alcohol mixtures, C-12 through C-18 only	38239050
Alcohols, monohydric, and their esters, C ₈ and higher	38239050
Alcohols and phenols, alkoxyated and phosphated or polyphosphated, all other	34021150
Alcohols and phenols, sulfated, all other	34021150
Alcohols, unmixed C ₁₁ or lower, all other)	29051900
Aldadiene	29420020
Aldehyde and acetone-amine reaction products, cyclic, other	38121050
Aldehyde-amine reaction products, cyclic, other	38121050
Aldehydes, acyclic, all other	29121950
Aliphatic hydrocarbon sulfides	39119050
Aliphatic phosphate ester	29190050
Alkanolamine condensates, all other	34021350
Alkenyl succinic acid	29171950
Alkenyl succinic anhydride ester	29171950
Alkenyl succinimide	29251950
3-Alkoxy-2-hydroxypropyl trimethyl ammonium chloride	29239000
Alkoxyated acid phosphate	29190050
Alkyd copolymers, all other	39075000
t-Alkylamines, primary, mixed	38239050
N-alkylaminobismethylene phosphonic acid salts	29310050
Alkyl aromatics: all other	29029030
Alkylaryl-p-phenylenediamines	38123040
Alkylaryl phosphites mixed	38123040
N-Alkyl-aspartic acid, diester	34021250
Alkylbenzene straight-chain (Except dodecyl and tridecyl)	29029030
t-a-Alkylcarboxylic acid salts (Isocarboxylic acid salts), all other	29159050
Alkyl-dimethylamine oxide	34021250
Alkyl-dimethyl quaternary amine methylsulfate	34021250
Alkyl glycidyl ether, C ₁₂ -C ₁₄ and C ₁₂ -C ₁₆	29109050
Alkyl imidazoline	29332950
Alkylphenol, calcium salt	29071920
Alkylphenol, calcium salt, sulfurized	38239050
Alkylphenol formaldehyde condensate, alkoxyated	39094000
Alkylphenol-formaldehyde condensates, alkoxyated, all other	34021310
Alkylphenol formaldehyde copolymer	39094000
Alkyl phenols	29071920
Alkylphenols, mixed	29071920

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<i>Chemical Name</i>	<i>NTS¹ No.</i>
Alkylpyridines, mixed	29333950
Alkyl succinic anhydride	29171950
Alkyl terephthalamate	29251920
Allo-ocimene	29012910
Allyl alcohol	29052100
Allyl alcohol, alkoxyated	34021350
p-Allylanisole	29093020
4-Allyl-1,2-dimethoxybenzene (4-Allylveratrole)	29123050
Allyl disulfide	29309050
Allyl glycol, mono	29053950
Allyl heptanoate	29161950
Allyl hexanoate	29161950
Allyl methacrylate	29161400
4-Allyl-2-methoxyphenol (Eugenol)	29095040
1-(Allyloxy)-2,3-epoxypropane (Allyl glycidyl ether)	29109050
3-Allyloxy-2-hydroxypropane sulfonic acid, sodium salt	29041050
Allyl phenoxyacetate	29153920
Allyl resins	39079110
Allyl sulfonate, sodium salt	29161950
Allyl ureido monomer	29241010
Alpha olefins, C ₆ -C ₁₀	29012910
Alpha olefins, C ₁₁ and higher	29012910
Alprazolam	29339065
Alprostadiil	30012000
Aluminum acetylacetonate	29310050
Aluminum f 1,3-butanediolato(2)-0,0' liethyl-3-oxobutanoato-01,03-hydroxy T-4	29310050
Aluminum-1,3-butanediolato ethylacetoacetate	29310050
Aluminum di-sec-butoxide acetoacetic ester chelate	29310050
Aluminum diisobutoxy ethyl acetoacetate	29310050
Aluminum diisopropoxide acetoacetic ester chelate	29310050
Aluminum distearate	29157000
Aluminum formate	29151200
Aluminum isoctoxide, diisopropoxide	29310050
Aluminum isopropoxide (Aluminum isopropylate)	29310050
Aluminum monostearate	29157000
Aluminum octanoate	29159050
Aluminum tri-sec-butoxide	29051400
Aluminum tristearate	29157000
Amides, all other	29241010
Amides from C- ₁₈	34021250
Amides from C- ₁₈ unsaturated fatty acid dimers and polyhexamethylenepolyamines	34021250
Amides from C- ₁₈ unsaturated fatty acid dimers and polyhexamethylenepolyamines, ethoxylated	34021250
Amiloride hydrochloride	29333937
Amine oxides and oxygen-containing amines (Except those having amine linkages), cyclic, all other	34021250
Amine oxides and oxygen-containing amines (Except those with amide linkages), acyclic, all other	34021250
Amine polymers	39093000
Amines, all other	29212900
Amine salts (Not containing oxygen), all other	34021250
Amine salts of fatty, rosin, and tall oil acids, all other	34021150
4'-Aminoacetanilide (Acetyl-p-phenylenediamine)	29242145
3'-Amino-p-acetanilide	29242145
Amino acids and salts, acyclic, all other	29224935
Amino acids and salts, cyclic, all other	29224935
p-Aminobenzamide	29242145
o-Aminobenzenethiol	29309028

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Chemical Name	HTS ¹ No.
Aminobenzoic acid	30049000
Aminobenzoic acid, potassium salt	29224925
p-Aminobenzoic acid, tech.	29224910
2-Amino-6-benzothiazolesulfonic acid	29343050
2-Amino-1-bromo-3-chloroanthraquinone	29223035
7-Aminocephalosporanic acid	29420050
1-Amino-2-chlorobenzene	29214275
6-Amino-5-chloro-m-toluenesulfonic acid ISO ³ H =11 (2B Acid)	29224930
1-Amino-9,10-dihydro-9,10-dioxo-4-p-toluenesulfonamido-2-anthracenesulfonic acid, sodium salt	29420020
4-Amino-6-11,1-dimethylethy11-3-(methylthio)-1,2,4-triazin-5-141-11-one	29336900
2-Aminoethanol hydrochloride	29221100
Aminoethoxyethanol	29221950
2-12-AminoethylaminoIethanol (Aminoethylethanolamine)	29221950
(2-Aminoethyl)amino" ethanol, reaction product with octadecanoic a cid	29221950
N-Aminoethylaminopropyl trimethoxysilane	29310050
3-Amino-9-ethylcarbazole	29339039
(2-Aminoethyl)ethyl(hydrogenated tallow alkyl)(2-hydroxyethyl)ammonium ethyl sulfate	34021250
2-Aminoethyl mercaptoacetate (Monoethanolamine thioglycolate)	29309050
1-(2-Aminoethyl)-2-naphtheny1-2-imidazoline	29332930
1-12-Aminoethy11-2-nor(tall oil alkyl)-2-imidazoline	29332950
1-(2-Aminoethyl)piperazine	29335990
2-Amino-2-ethyl-1,3-pro paned iol	29221950
2-Amino-2-(hydroxymethyl)-1,3-propanediol (Tris(hydroxymethyl)aminometha nal	29221950
2-Amino-5-mercapto-1,3,4-thiadiazole	29342060
N-(4-Amino-3-methoxy-1-anthraquinonyI)-p-toluenesulfonamide	29420020
m-(14-Amino-3-methoxyphenyl)azolbenzenesulfonic acid	29270050
(28-trans)-3-Amino-2-methyl-4-oxo-1-azetidinesulfonic acid, inner salt	29339095
2-Amino-2-methyl-1,3-propanediol	29221950
2-Amino-2-methyl-1-propanol	29221950
2-Amino-2-methyl-1-propanol hydrochloride	29221950
2-Am ino-2-methylpro pyl 8-bromotheophyllinate	29339039
2-Amino-3-methylpyridine	29333950
2-Amino-5-methylpyridine	29333950
2-Amino-6-methylpyridine	29333950
2-Amino-4-nitroacetanilide	29242145
5-Amino-2112-oxo-5-benzimidazoliny1)amino1benzenesulfonic acid	29270050
p-Aminophenol	29222950
3-Amino phenylphosphonic acid	29310040
3-Am ino-l-propanol	29221950
1-(3-Aminopropyl)Imorpholine	29349050
2-Aminopyridine	29333950
3-Aminopyridine	29333950
4-Aminopyridine	29333950
Aminosalicylic acid	29182110
4-Amino-m-toluenesulfonic acid 180 ₃ H =11	29214360
6-Amino-m-toluenesulfonic acid ISO ₃ H =11	29214360
4-Amino-1,2,4-triazole	29270040
4-Amino-3,5,6-trichloropicolinic acid (Picloram)	29333925
Amino-tris(methylene phophonic acid)	34021350
Amitriptyline hydrochloride	29214920
Amlodipine	29333937
Ammonium acetate	29152900
Ammonium formate	29151200
Ammonium isovalerate	29159050
Ammonium lactate	29181150

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<i>Chemical Name</i>	<i>HTS No.</i>
Ammonium mercaptoacetate	29309050
Ammonium oxalate	29171100
Ammonium phenolsulfonate	29071100
Ammonium polyacrylate	39069050
Ammonium propionate	29155050
Amobarbital, sodium	29335945
Amoxicillin (anhydrous)	29411050
Amoxicillin (trihydrate)	29411050
Amphetamine	29214935
Amphetamines, all other	29214935
Amphetamine sulfate	29214935
Amphotericin B	29419010
Ampicillin, sodium	29411010
Ampicillin (trihydrate)	29411010
Amprolium	29335936
Amyl acetate (n-Pentyl acetate)	29153950
Amylases, all other	35079000
n-Amylbenzene	29029030
Amyl cinnamyl alcohol	29061900
p-tert-Amylcyclohexanone (Orivone)	29142950
Amyl cyclohexyl acetate	29153945
Amylenes	29012910
tert-Amyl hydroperoxide	29096050
t-Amylperoxy acetate	29159050
t-Amyl peroxybenzoate	29163130
t-Amylperoxy neodecanoate	29159050
t-Amylperoxy pivalate	29159050
p-Amylphenol	29071920
Amyphenol-formaldehyde, alkoxyated	34021310
p-tert-Amylphenol sulfide (Tackifier)	29309028
Amyris acetate	29153945
2 (and 31-tert-Butyl-4-methoxyphenol (Butylated hydroxyanisole, or, BHA)	29095050
Anhydrosorbitol dioleate	29161950
Anhydrosorbitol esters, all other	34021350
Anhydrosorbitol monoester of tall oil acids	34021350
Anhydrosorbitol monolaurate	29151950
Anhydrosorbitol mono-oleate	29161550
Anhydrosorbitol monopalmitate	29157000
Anhydrosorbitol monostearate	29157000
Anhydrosorbitol sesquioleate	29161550
Anhydrosorbitol triester of tall oil acids	34021320
Anhydrosorbitol trioleate	29161950
Anhydrosorbitol tristearate	29157000
Aniline (Aniline oil)	29214110
Aniline, ethoxylated	29222935
Aniline hydrochloride	29214120
7-Anilino-4-hydroxy-2-naphthalenesulfonic acid	29214550
Anilinomethanesulfonic acid and salt	29214230
p-Anilinophenol	29221940
Anionic surface-active agents, all other	34021150
o-Anisidinomethanesulfonic acid	29224935
Anisole, tech.	29093050
Anisoyl chloride	29189045
Anisyl acetate	29153920
Anthranilic acid (o-Aminobenzoic acid)	29224935

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<i>Chemical Name</i>	<i>NTS¹ No.</i>
N,N'-(1,5-Anthraquinonylene)dianthranilic acid	29224935
Antibiotics, for medicinal use, all other	29419010
Antifungal agents, all other	29339075
Apramycin	29412000
I-Arabinose	29400000
N-(arachidyl behenyl alkyl) trimethylene diamine	29212900
Arsanilic acid	29310022
Ascorbic acid	29362700
Aspartic acid	29224940
Aspirin	29182210
Atracurium besylate	29334027
Auranofin	29310050
Aurothioglucose	29309050
Azathioprine	29309028
Azelaic acid	29171300
Azelaic acid esters, all others	29171300
Azidothymidine	29339046
2,2-Azobis(dimethyl pentane nitrile)	29270050
1,1'-Azobisformamide	29270015
2,2-Azobis(2-methyl butane nitrile)	29270050
2,2'-Azobis(12-methylpropionitrile) (Azobisisobutyronitrile)	29270040
Azoic Black 4	32041940
Azoic Black 48	32041950
Azoic black compositions, all other	32041950
Azoic Blue 3	32041940
Azoic Blue 6	32041940
Azoic Blue 20	32041950
Azoic Brown 7	32041940
Azoic Brown 9	32041940
Azoic Coupling Component 2	32041950
Azoic Coupling Component 4	32041950
Azoic Coupling Component 12	32041950
Azoic Coupling Component 14	32041950
Azoic Coupling Component 17	32041950
Azoic Coupling Component 18	32041950
Azoic Coupling Component 20	32041950
Azoic Coupling Component 34	32041950
Azoic Diazo Component 3, base	32041950
Azoic Diazo Component 13, base	32041940
Azoic Diazo Component 32, base	32041950
Azoic Diazo Component 1, salt	32041950
Azoic Diazo Component 3, salt	32041950
Azoic Diazo Component 5, salt	32041950
Azoic Diazo Component 8, salt	32041950
Azoic Diazo Component 9, salt	32041950
Azoic Diazo Component 10, salt	32041950
Azoic Diazo Component 12, salt	32041950
Azoic Diazo Component 13, salt	32041950
Azoic Diazo Component 42, salt	32041950
Azoic diazo components, salt, all other	32041950
Azoic Red 1	32041940
Azoic Red 2	32041940
Azoic Red 6	32041940
Azoic Red 32	32041950
Azoic red compositions, all other	32041950

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<i>Chemical Name</i>	<i>NTS / No.</i>
Azoic Violet 1	32041940
Azoic violet compositions, all other	32041950
Azoic Yellow 1	32041940
Aztreonam	29419050
Bacillus thuringiensis	38239050
Bacterial amylase	35079000
Barium benzoate	29163110
Barium cadmium laurate	29159050
Barium 2-ethylhexanoate	29159050
Barium laurate	29159050
Barium stearate	29157000
Barium zinc tallate	29162000
Basic black dyes, all other	32041350
Basic Blue 1	32041330
Basic Blue 3	32041325
Basic Blue 7	32041330
Basic Blue 12	32041330
Basic Blue 21	32041330
Basic Blue 41	32041310
Basic Blue 60	32041330
Basic Blue 77	32041330
Basic Blue 94 and 94:1	32041330
Basic Blue 140	32041350
Basic Blue 152	32041330
Basic Blue 162	32041350
Basic blue dyes, all other	32041350
Basic Brown 1	32041330
Basic Brown 4	32041330
Basic brown dyes, all other	32041350
Basic Green 4	32041330
Basic Orange 1	32041330
Basic Orange 2	32041330
Basic Orange 21	32041330
Basic Red 11	32041330
Basic Red 12	32041330
Basic Red 14	32041325
Basic Red 15	32041330
Basic Red 17	32041330
Basic Red 29	32041310
Basic Red 46	32041310
Basic Red 49	32041330
Basic Red 73	32041330
Basic Red 104	32041350
Basic red dyes, all other	32041350
Basic Violet 1	32041330
Basic Violet 3	32041330
Basic Violet 4	32041330
Basic Violet 10	32041330
Basic violet 11	32041330
Basic Violet 16	32041330
Basic Violet 35	32041330
Basic violet dyes, all other	32041350
Basic Yellow 11	32041325
Basic Yellow 15	32041330
Basic Yellow 28	32041330

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<i>Chemical Name</i>	<i>NTS No.</i>
Basic Yellow 29	32041330
Basic Yellow 40	32041330
Basic Yellow 51	32041330
Basic Yellow 58	32041330
Basic Yellow 78	32041330
Basic Yellow 79	32041330
Basic Yellow 83	32041330
Basic Yellow 94	32041330
Basic Yellow 96	32041350
Basic yellow dyes, all other (Basic Yellow 2), fugitive	32041350
Beclomethasone	32041730
Behenamamide	29372200
Benamide	29241010
Benzaldehyde glyceryl acetal	29122950
Benzaldehyde, tech.	29122100
Benzalkonium heparin	30019000
Benzanilide	29242909
Benzene Other	29022000
Benzene-, cumene-, toluene-, and xylenesulfonates, all other	34021150
Benzene High purity (98-100%)	29022000
Benzenephosphinic acid	29310040
Benzene phosphorous chloride	29310050
Benzene sulfonic acid	29041037
Benzenesulfonic acid	29041037
Benzenesulfonyl chloride	29041037
All other benzenoid or naphthalenoid chemicals	33021020
Benzhydrol (Diphenylmethanol)	29062950
Benzidine base	29214275
Benzoic acid	29163110
Benzoic acid, butyl ester (Butyl benzoate)	29163150
Benzoic acid, C ₁₂ -C ₁₅ ester	29163150
Benzoic acid esters, all other	29163150
Benzoic acid, isodecyl ester	29163970
Benzoic acid salts, all other	29163110
Benzoic acid, tech.	29163110
Benzonate	29224925
Benzonitrile	29269004
Benzophenone	29143000
p-Benzoquinone	29143000
2-Benzothiazolethiol, sodium salt	29342020
1 H-Be nzotriazole	29342020
Benzotriazole, potassium & sodium salts	29270050
Benzotriazole, substituted	29342060
Benzoyl chloride	29163220
Benzoyl peroxide	29163210
Benzyl acetate	29153910
Benzyl alcohol	29062100
Benzylalkylpyridinium)chloride	29331940
Benzylamine	29214945
2-1 Benzylamine hydrochloride	29215150
Benzyl benzoate	29163940
Benzyl-bis-(hydroxyethyl-(tallow alkyl, ethoxylated)) ammonium chloride	29239000
Benzyl butyrate	29156010
Benzyl chloroformate	29159050
Benzyl(cocoamidopropyl)dimethyl ammonium chloride	34021210

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<i>Chemical Name</i>	<i>NTS No.</i>
Benzylcoconut oil alkyl)bis(2-hydroxyethyl)ammonium chloride	34021210
Benzyl(coconut oil alkyl)dimethylammonium chloride	34021210
Benzyl-di(hydrogenated tallow alkyl)methylammonium chloride	34021210
Benzyl dimethyl(mixed alkyl)ammonium chloride	34021210
Benzyl dimethyloctadecylammonium chloride	29239000
Benzyl dimethyl(tallow alkyl)ammonium chloride	34021210
Benzyl dimethyltetradecylammonium chloride	29239000
Benzyl dodecyl dimethylammonium chloride	29239000
1-Benzyl-2-heptadecyl-1-(2-hydroxyethyl)-2-imidazolium chloride	29239000
Benzyl hexadecyl dimethylammonium chloride	29239000
Benzyl(hydrogenated tallow alkyl)dimethylammonium chloride	34021210
Benzyl 4-hydroxy benzoate	29181930
1-Benzyl-1-(2-hydroxyethyl)-2-nor(tallow oil alkyl)-2-imidazoline	34021210
Benzyl isobutyrate	29156010
Benzyl isopentyl ether	29093020
Benzyl isovalerate	29156010
Benzyl-methyl-bis(hydrogenated tallow)ammonium chloride	34021210
Benzyl(mixed alkyl)pyridinium chloride	34021210
1-(Benzylloxy)-2-methoxy-4-propenylbenzene (Benzyl isoeugenyl ether)	29093020
Benzyl phenylacetate	29159020
1-Benzyl-4-phenylisonipecotonitrile	29333947
Benzyl picolinium chloride	29339095
Benzyl propionate	29155020
Benzyl salicylate	29159020
1-Benzyl, 1-(2-tallow oil amidoethyl)-2-(tallow oil alkyl)-2-(imidazolium chloride)	29239000
Benzyl(tallow alkyl)bis(2-hydroxyethyl)ammonium chloride	34021210
S-benzyl thiocarbamate	29302010
Benzyltriethylammonium chloride	29239000
Benzyltrimethylammonium chloride	29239000
Benzyltrimethylammonium hydroxide	29239000
Beta carotene (provitamin A)	29362100
Betaine hydrochloride	29239000
Betamethasone	29372200
Betamethasone dipropionate	29372200
Betamethasone sodium phosphate	29372200
Betamethasone valerate	29372200
Beta methyl ionone coevr	29142300
Bethanechol chloride	29239000
Biological stains	38220050
Biotin	29362950
Biphenyl	29029090
N,N-Bis(2,2-acetamido)glycine	29224940
Bisaminopropyl-methylamine	29212900
Bis(2-(bis(2-hydroxyethyl)amino)ethyl) diisopropyl titanate	29209050
2,2-Bis(bromomethyl)-1,3-propanediol	29161950
Bis(2-butoxyethyl) ether (Diethylene glycol di-n-butyl ether)	29091950
1,1-Bis(carboxymethyl)-2-undecyl-2-imidazolium hydroxide, disodium salt	29332940
Bis-(2-chloroethyl)-2-chloroethylphosphonate	29190050
Bis(2-chloroethyl) ether (Dichlorodiethyl ether)	29091910
Bis(coconut oil alkyl)amine	34021250
Bis(coconut oil alkyl)dimethylammonium chloride	34021250
Bis(dibutylthiocarbamoyl) disulfide	29309050
Bis(2,4-dichlorobenzoyl) peroxide	29163970
Bis(2,4-dimethylbenzoyl) peroxide	29096020
N,N'-Bis(1,4-dimethylpentyl)-p-phenylenediamine	29215150

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Chemical Name	HTS ¹ No.
Bis(2-ethoxyethyl)ether (Diethylene glycol diethyl ether)	29091950
2,4-Bis(ethylamino)-6-methylmercapto-s-triazine (Simetryn)	29336900
Bis(2-ethylhexyl)terephthalate	29173920
N,N'-Bis(1-ethyl-3-methylpentyl)-p-phenylenediamine	29215150
Bis(ethyl-3-oxobutanato)bis(2-propanolato) titanium	29310050
Bis-hexamethylenetriamine amine	29212900
Bis(hydrogenated tallow alkyl amine)	34021250
Bis(hydrogenated tallow alkyl)dimethylammonium chloride	34021250
Bis(hydrogenated tallow alkyl)dimethylammoniummethyl sulfate	34021250
N,N-Bis(2-hydroxyethyl)(coconut oil alkyl)amine	34021250
1,3-Bis(2-hydroxyethyl-5,5-dimethyl)-2,4-imidazolinedione	29332950
Bis-2-hydroxyethyl-hydrogenated tallow-ethyl sulfate	34021250
N,N-bis-12-Hydroxyethyl)octadecanamide	38099100
N,N-Bis(2-hydroxyethyl)octadecylamine	29225050
N,N-Bis(2-hydroxyethyl)(tallow alkyl)amine	34021250
Bis(2-hydroxyethyl)tallowammonium ethanoate	34021950
N,N-Bis(2-hydroxyethyl)-p-toluidine	29214360
N, N-Bis (1-hydroxyisopropyl)tallowalkylamine	34021250
2,2-Bis(4-hydroxyphenyl)4-methylpentane	29071920
4,6-Bis(isopropylamino)-2-methoxy-s-triazine (Prometon)	29336900
2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine (Prometryn)	29336900
Bis[2-(2-methoxyethoxy)ethyl] ether (Tetraethylene glycol dimethyl ether)	29091950
Bis(2-methoxyethyl)ether (Diethylene glycol dimethyl ether)	29094950
N,N'-Bis(1-methylheptyl)-p-phenylenediamine	29215150
Bis(morpholinothiocabamoyl) disulfide	29339080
Bismuth 2-ethylhexanoate	29159050
Bismuth neodecanoate	29159050
Bis(N-amidopropyl)-N,N-dimethyl-N-ethylammonium ethyl sulfate, dimer acid	34021250
Bis (N, N1-ethyl(stearic/arachidic/behenic) amide)cyclohexyl ethylammonium ethosulfate	34021250
Bis(pentachloro-2,4-dicyclopentadien-1-yl)	29035910
Bis(perfluoroalkyl)bis(alpha-monochlorohydril)pyromellitate	29173930
Bisphenol A, ethoxylated and propoxylated	29095050
Bisphenol-A, propoxylated	29095050
Bisphenol epichlorohydrin	29109020
Bisphenol a, ethoxylated	29095050
Bisphenol, hindered	38121010
1,2-Bis (tribromophenoxy)ethane	29093050
Bis(triphenylsilyl) chromate	29310030
Blend of fatty and phosphate esters	38239050
Borane t-butylamine complex	29221950
Boric acid-amine adducts	29211950
Boric acid, diethanolamine salt	29221200
Brominated diphenyl ethers	29093040
Brominated (Including bromochlorinated) hydrocarbons, all other	29034000
p-Bromoanisole	29095050
Bromobenzene, mono	29036960
3-13'-4-Bromo[1,1'-biphenyl-4-yl]-3-hydroxy-1-phenylpropyl-4-hydroxy-2H-1-benzopyran-2-one	29161950
3-13-(4'-Bromo[1,1'-biphenyl-4-yl]-1,2,3,4-tetrahydro-1-naphthalenyl)-4-hydroxy-2H-1-benzopyran-2-one	29329020
1-Bromobutane (n-Butyl bromide)	29033020
5-Bromo-3-sec-butyl-6-methyluracil (Bromacil)	29335910
Bromobutyric acid	29159018
Bromochlorobenzene	29036960
Bromochlorodifluoromethane	29034000
Bromochloro-5,5'-dimethyl hydantoin	29332100
Bromochloromethane	29034000

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<i>Chemical Name</i>	<i>NTS No.</i>
Bromodifluoromethane	29034000
2-Bromo-4,6-dinitroaniline	29214230
Bromodocosane	29033015
Bromoethane (Ethyl bromide)	29033015
Bromoethylbenzene	29036960
p-Bromofluorobenzene	29036960
2-Bromofluorobenzene	29036960
3-Bromofluorobenzene	29036960
1-Bromohexadecane	29033015
2-Bromo-4'-hydroxyacetophenone	29147020
2-Bromo-6-methoxynaphthylene	29093040
1-Bromo-3-methyl-2-butene	29033020
2-Bromo-2-nitropropanediol	29055050
fi-Bromo--nitrostyrene	29049047
1-Bromopropane (n-Propyl bromide)	29033020
Bromopropionic acid	29159018
2-Bromopyridine	29333947
p-Bromotoluene	29036960
Bromotrifluoro methane	29034000
Brompheniramine maleate	29333937
Bupropion hydrochloride	29223020
Butadiene and butylene fractions	27111400
1,3-Butadiene, grade for rubber (Elastomers)	29012410
Bute lbital	29335160
Butamben	29163130
1,4-Butanediol	29053910
1,2(and 1,3)-Butanediol	29053910
Butanoic acid, 1-cyclohexylethyl ester	29159018
Butanol, propoxylated	34021320
Butanol residue stream	38239050
2-Butanone peroxide (MEK peroxide)	29096050
1-Butene	29012300
1-Butane and 2-butene, mixed	29012300
2-Butenediamide, (E)-, N,n'-bis(2-14,5-dihydro-2-nortall oil alkyl)-iH-imidazol-1-yl)ethyl derivatives	34021250
2-Butenedioic, monoethyl ester, polymer with methoxyethene	39059050
2-Butene-1,4-diol	29053950
Butorphanol	29399050
Butorphanol tartrate	29399050
1-Butoxy-2,3-epoxypropane (Butyl glycidyl ether)	29109050
2-Butoxyethanol (Ethylene glycol monobutyl ether)	29094300
2-(2-Butoxyethoxy)ethanol (Diethylene glycol monobutyl ether)	29094300
2-12-(2-Butoxyethoxyethoxy)ethanol (Triethylene glycol monobutyl ether)	29094950
a-12-(2-n-Butoxyethoxy)ethoxy-1-4,5-methylenedioxy-2-propyltoluene (Piperonyl butoxide)	29093030
2-(2-Butoxyethoxyethyl acetate	29153947
2-Butoxyethyl acetate	29153947
2-Butoxyethyl benzoate (Butyl cellosolve benzoate)	29163150
Butoxyethylene oxyacetic acid, sodium salt	29153950
2-Butoxyethyl oleate	29161550
n-Butyl acetate	29153300
n-Butyl acetylricinoleate	29181990
Butyl acid phosphate	29190050
Butyl acrylate	29161250
Butyl acrylate ethyl acrylate copolymer resins	39069020
Butyl alcohol, ethoxylated and phosphated	29095040
sec-Butyl alcohol (Methylethylcarbinol)	29051400

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Chemical Name	NTS No.
n-Butyl alcohol fn-Propylcarbinol)	29051300
tert-Butyl alcohol (Trimethylcarbinol)	29051400
n-Butylimine, mono	29211910
Sec-Butylamine, mono	29211910
tert-Butylamine, mono	29211910
tert-Butylaminoethyl methacrylate	29221950
n-Butylbenzene	29029090
N-n-butyl benzenesulfonamide	29350090
N-tert-Butyl-2-benzothiazolesulfenamide	29342005
Butyl benzyl phthalate	29173920
Butyl butyrl lactate	29159050
sec-Butyl chloroformate	29159050
tert-Butyl 4(or 5)-chloro-2-methylcyclohexanecarboxylate (Trimedlure)	29163970
3-tert-Butyl-5-chloro-6-methyluracil	29335910
2-tert-Butyl-p-cresol	29071910
2-tert-Butyl cyclohexanol	29062920
2-sec-Butylcyclohexanone	29142950
o-tert-Butylcyclohexyl acetate	29153945
Butyl cyclohexyl phthalate	29173400
n-Butyl-4,4-(di-t-butyl peroxy) butyrate	29189040
tert-Butyldiethanolamine	29221950
Butylene glycol adipate	29171220
1,3-Butylene glycol dimethacrylate	29161400
1,3-Butylene glycol, ethoxylated	29094920
Butylene oxide	29109010
tert-Butyl ethanolamine	29221950
sec-Butyl ether	29091910
n-Butylethylamine	29211950
t-Butyl-2-ethylhexyl monoperoxy carbonate	29159050
Butyl ethyl magnesium	29310050
N-Butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine (Benefin)	29214360
Butyl formcel	38239050
tert-Butyl glycidyl ether	29109050
tert-Butyl hydroperoxide	29096050.
tert-Butylhydroquinone	29072960
4,4'-Butylidene nebis (6-tert-butyl-m-cresol)	29071200
Butyl(isobutylene-isoprene) type	40023100
Butyl isocyanate	29291040
n-Butyllithium	29310050
sec-Butyllithium	29310050
n-Butyl mercaptan (1-Butanethiol)	29309050
sec-Butyl mercaptan (2-Butanethiol)	29309050
tert-Butyl mercaptan (2-Methyl-2-propanethiol)	29309050
n-Butyl mercaptopropionate	29309050
Butyl methacrylate	29161400
p-tert-Butyl-a-methylhydrocinnamalehyde	29122950
Butylmorpholine	29349050
Butyl myristate	29159010
Butyl naphthalenesulfonic acid, sodium salt	29041037
Butyl octyl phthalates	29173400
Butyl oleate	29161550
Butyl oleate, sulfated, sodium salt	29161550
tert-Butyl peroxide (Di-tert-butyl peroxide)	29096050
tert-Butyl peroxyacetate	29153950
tert-Butyl peroxybenzoate	29163910

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Chemical Name	NTS No.
tert-Butyl peroxy-2-ethylhexanoate	38159050
tert-Butyl peroxyisobutyrate	38159050
tert-Butylperoxy maleic acid	29171927
tert-Butyl peroxyneodecanoate	29159050
tert-Butyl peroxyneoheptanoate	29096050
tert-Butyl peroxy-pivalate	38159050
o-sec-Butylphenol	29071920
o-tert-Butylphenol	29071920
p-sec-Butylphenol	29071920
p-tert-Butylphenol	29071920
Butylphenols, mixed	29071920
tert-Butylphenyl glycidyl ether	29109020
Butyl phosphate	29190050
Butyl phosphate, potassium salt	29190050
Butyl phthalyl butyl glycolate	29173400
Butyl picolinium bromide	29239000
Butyl ricinoleate	29181990
n-Butyl stearate	29157000
p-tert-Butyltoluene	29029090
Butyl 2-14-U5-(trifluoromethyl)-2-pyridinylloxyphenoxylpropanoate	29333925
tert-Butyl urea	29242150
Butyl vinyl ether	29091910
2-Butyne-1,4-diol	29053950
Butyraldehyde	29121300
n-Butyraldehyde-aniline condensate	38121010
Butyric acid	29156050
Butyric anhydride	29159050
Butyrolactone	29322950
n-Butyronitrile	29269050
Cadmium benzoate	29163970
Cadmium 2-ethylhexanoate	29159050
Cadmium naphthenate	38232000
Cadmium stearate	29157000
Cadmium tallate	29162000
Caffeine, natural	29393000
Caffeine, synthetic	29393000
Calcitonin	29379980
Calcium acetate	29152900
Calcium t-a-alkylcarboxylate	29159050
Calcium 2-ethylhexanoate	29159050
Calcium formate	29151200
Calcium gluceptate	29181990
Calcium manganese tallate	29162000
Calcium naphthenate	38232000
Calcium neodecanoate	29159050
Calcium oleate	29161550
Calcium polycarbophil	29420050
Calcium propionate	29155050
Calcium resinate	38062000
Calcium stearate	29157000
Calcium tallate	29162000
Calcium undecylenate	29161950
Calcium zinc resinate	38062000
2-1C _{7, 3-17} amidoethyl)(4,5-dimydro-3-methylimidazolium, methyl sulfate	29239000
C ₁₂₋₁₈ Alkyldimethylamines	29211950

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<i>Chemical Name</i>	<i>HTS / No.</i>
Camphene	29021900
Campholenic aldehyde	29122950
α -Campholenic aldehyde	29122950
Canrenoate, potassium	29161950
Capric acid, diethanolamine condensate (Ratio =1/1)	34021150
Caprolactam magnesium bromide	29337910
Caprolactam (2-Oxohexamethylenimine)	29337100
Caprolactone	29322930
Caprylamphopropionate	29155050
Captopril	29331945
Caramiphen edisylate	29224925
Carbarsone	29242939
Carbidopa	29280030
Carbobenzoxy-L-azetidinone sodium salt	29339095
2-Carbomethoxy-1-propen-2-yl dimethyl phosphate	29190050
Carbon black feedstock	38239045
Carbon Black oil	27079950
Carbon disulfide	28131000
Carbon tetrachloride	29031400
4,4'-Carbonylbis(phthalic anhydride)	29173950
Carboplatin	29310050
Carboprost	29379280
Carboxyethyl acrylate	29161300
1-Carboxyethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxyethyl-1-(2-hydroxyethyl)-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
5(or 6)-carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, potassium/sodium salts	29159050
5(or 6)-Carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, reaction products with castor oil	34021150
Carboxylic acid - alkanolamine condensates, all other	34021315
Carboxylic acid alkoxylates	29091910
Carboxylic acid amides, all other	34021350
Carboxylic acid-diamine and polyamine condensates, all other	34021250
Carboxylic acid-diamine and polyamine condensates, alkoxylated, all other	34021250
Carboxylic acid esters, all other	34021350
Carboxylic acids, all other	34021150
Carboxylic acids with amide, ester or ether linkage, other	34021150
N12-1-Carboxymethylaminoethyl-N-12-hydroxyethyl)-coconut oil amide, sodium salt	34021950
N-Carboxy-N-methylantranilic anhydride	29420020
(Carboxymethyl)13-(coconut oil amido)propyl dimethylammonium hydroxide, inner salt	34021950
(Carboxymethyl) dimethyl-2-(polyfluoroalkylthio)ethylammonium hydroxide	29309050
1-Carboxymethyl-2-heptadecyl-1-(2-hydroxyethyl)-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
Cardiovascular agents, all other	29420005
Carenoate, potassium (for pharmaceutical use)	29379980
Carvacrol	29071950
I-Carvone	29142950
-Caryophyllene	29029090
Castor oil acids, diethanolamine condensate (Ratio = 2/1)	34021320
Castor oil acids, potassium salt	34021150
Castor oil acids, sodium salt	34021150
Castor oil, ethoxylated	34021350
Castor oil fatty acids, dehydrated	15180040
Castor oil, hydrogenated	15162090

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<i>Chemical Name</i>	<i>HTS No.</i>
Castor oil, polymerized	15180040
Castor oil, sulfated, sodium salt	34021150
Castor oil triglycidyl ether	29109050
Catechol	29072250
Cationic surface-active agents, all other	34021250
C ₁₂ -C ₁₅ alcohol-lactates	29181150
C10-C16 alkyl chlorides	29031950
α -Cedrene epoxide (Andrane)	29109050
Cedrenol	29061900
Cedrol	29061900
Cedryl acetate	29153945
Cedryl formate	29151350
Cefaclor	29419010
Cefamandole	29419010
Cefazolin, sodium	29419010
Cefoxitin	29419010
Ceftazidime	29419010
Ceftiofur	29419030
Cefuroxime	29419030
Cefuroxime sodium	29419030
Cellulase	35079000
Cellulose acetate	39121200
Cellulose acetate butyrate	39129000
Cellulose acetate, for fiber use	39129000
Cellulose acetate propionate	39129000
Cellulose ethers and esters, all other	39129000
Cellulose, oxidized	29400000
Cephalexin	29419010
Cephalothin, sodium	29419010
Cephradine	29419010
Cerium 2-ethylhexanoate	29159050
Cetyl alcohol, propoxylated	29094950
Cetyleicosyl methacrylate	29161400
Cetyl lactate	29181150
Cetylpyridinium chloride	29333937
C-18 Fatty acids, unsaturated compounds, with polyethylene-polyamines-tall oil fatty acid reaction products	34021250
Chelating agents, nitriloacids and salts, all other	29252050
Chemical indicators	38220050
Chemically defined linear alcohol, alkoxyated, all other	34021350
Chemical reagents and fine chemicals	38220050
Chlorinated (Not otherwise halogenated) hydrocarbons, all other	29031950
Chlorinated paraffins, 35-64% chlorine	29031950
Chlorinated paraffins, 65% or more chlorine	29031950
Chlorinated polyolefins, thermoplastic	39049050
Chloroacetic acid, mono	29154010
Chloroalkyl diphosphate ester, neutral	29190050
Chloroalkyl phosphate ester	29310050
o-Chloroaniline	29214275
Chlorobenzene, mono	29036110
p-Chlorobenzenesulfonic acid	29042045
2-Chloro-4,6-bis(2-ethylaminol)-s-triazine (Simazine)	29336900
2-Chloro-4,6-bis(isopropylamino)-s-triazine (Propazine)	29336900
2-Chloro-2',6'-diethyl-N-Imethoxymethylacetanilide (Alachlor)	29242919
2-Chloro-2',6'-diethyl-N-In-butoxymethylacetanilide (Butachlor)	29242919
1-Chloro-1,1-difluoroethane (F-142b)	29034000

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Chemical Name	HTSI No.
Chlorodifluoromethane IF-22)	29034000
4'-Chloro-2',5'-dimethoxyacetoacetanilide	29242950
2-Chloro-1,4-dimethoxybenzene	29093050
2-Chloro-N-(2,2-dimethoxy ethyl)-N-methyl acetamide(DMCA)	29241050
1-Chloro-2,4-dinitrobenzene (Dinitrochlorobenzene)	29049047
4-Chloro-3,5-dinitrobenzenesulfonic acid, potassium salt	29049047
2-Chloro-N-ethoxymethyl-N-12-ethyl-6-methylphenyl acetamide (Acctochlor)	29242919
2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (Oxyfluorfen)	29093020
2-Chloro-4-(ethylamino)-6-(isopropylaminol-s-triazine (Atrazine)	29336900
2-14-Chloro-6-(ethylamino)-s-triazin-2-ylamino-1-2-methylpropionitrile (Cyanazine)	29336900
N-(2-Chloroethyl)-N-ethylaniline	29214360
Chloroform	29031300
3-Chloro-2-hydroxypropyl trimethyl ammonium chloride (1-Propaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride)	29239000
2-Chloro-N-isopropylacetanilide (Propachlor)	29242919
Chloromethane (Methyl chloride)	29031100
2-Chloro-N-114-methoxy-6-methyl-1,3,5-triazin-2-ylaminocarbonylbenzenesulfonamide	29350070
Chloromethyldimethylchlorosilane	29310050
Chloromethylene dimethyliminium (Amide chloride)	29241010
2-Chloro-N-Hmethyl-2-methoxy)ethyl-N-(2,4-dimethyl-thien-3-yl)-acetamide	29242115
Chloromethyl methyl ether	29091910
4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt	29224935
4-Chloro-2-methylphenoxyacetic acid, iso-octyl ester	29189020
4-Chloro-2-methylphenoxyacetic acid (MCPA)	29189020
2-14-Chloro-2-methylphenoxy)propionic acid, dimethylamine salt	29189010
2-chloro-5-nitroaniline	29214220
1-Chloro-2-nitrobenzene (Chloro-o-nitrobenzene)	29049004
1-Chloro-3-nitrobenzene (Chloro-m-nitrobenzene)	29049004
1-Chloro-4-nitrobenzene (Chloro-p-nitrobenzene)	29049004
4-Chloro-3-nitrobenzotrifluoride	29049047
5-Chloro-2-pentanone	29147050
a-(2-Chlorophenyl)-a-(4-chlorophenyl)-5-pyrimidinemethano I	29335915
9-(4-Chlorophenyl)methyl-a-(1,1-dimethylethyl)-1,2,4-triazole-1-ethanol	29349018
2-(2-Chlorophenyl) methyl-4,4-dimethyl-3-isoxazolinone	29349014
1-Chloropinacolone	29147050
3-Chloro-1,2-propanediol (Glycerol a-chlorohydrin)	29055050
Chloro-2-propanone (Chloroacetone)	29147050
3-Chloropropene (Allyl chloride)	29032900
o-Chloropropyltrichlorosilane	29310050
Chloropropyltrimethoxysilane	29310050
3-Chloropropyl-2,5-xylol ether	29095045
N'-(6-Chloro-3-pyridazinyl)sulfanilamide	29420020
2-4(6-Chloro-2-quinoxalinyloxy phenoxy propionil acid ethyl ester (Quizalofod ethyl)	29334030
Chlorosulfonated polyethylene (CBM) type	29019010
Chlorothiazide	29342025
a-Chlorotoluene (Benzyl chloride)	29036920
3-Chloro-p-toluidine INH2=11	29214360
2-Chloro-6-(trichloromethyl)pyridine	29333925
1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether	29091910
Chlorotrifluoroethylene (Trifluorovinyl chloride)	29034000
2-Chloro-1,1,2-trifluoroethyl methyl ether	29091910
Chlorotrifluoromethane (F-13)	29034000
2-Chloro-N-1114-(trifluoromethoxyphenyl)aminocarbonylbenzamide	29242919
5-12-Chloro-4-(trifluoromethyl)phenoxy-1-2-introbenzoic acid, sodium salt	29189020
3-(2-Chloro-4-trifluoromethylphenoxy)toluene	29095050
Chlorotrimethylsilane	29310050

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Chlorphenesin carbamate	29241050
Chlorpheniramine maleate	29333937
Chlorpheniramine tannate	29333937
Chlorpromazine hydrochloride	29343004
Chlorpropamide	29379980
Chlortetracycline (animal feed grade)	29413000
Cholecalciferol (vitamin D ₃)	29362950
Cholesterol esterase	35079000
Cholesterol oxidase	35079000
Choline	29231000
Choline bicarbonate	29231000
Choline bitartrate	29231000
Choline chloride (animal feed grade)	29231000
Choline chloride (medicinal grade)	29231000
Choline dihydrogen citrate	29231000
Choline magnesium salicylate	29231000
Choline salicylate	29231000
Chromium acetate	29152900
Chromium 2-ethylhexanoate	29159050
Chromium naphthenate	38232000
Cineole (eucalyptoll)	29109050
Cinnamaldehyde	29122950
Cinnamyl acetate	29153920
Cinnamyl butyrate	291560:10
Cinnamyl nitrile	29269044
Cinnamyl propionate	29155020
Cinoxacin	29339046
Cisplatin	28439000
Citral dimethyl acetal	29110000
Citric and acetylcitric acid esters, all other	29181550
Citric acid	29181400
Citronellyl acetate	29153920
Citronellyl formate	29151350
Citronellyl isobutyrate	29156050
Citronellyl nitrile	29269044
Citronellyl propionate	29155050
Clarithromycin	29415000
Clindamycin	29419050
Clorsulon	29350039
Cloxacillin, sodium	29411030
Cobalt acetate	29152300
Cobalt t-o-alkylcarboxylate	29159050
Cobalt 2-ethylhexanoate	29159050
Cobaltic acetylacetonate	29310050
Cobalt manganese acetate	29152900
Cobalt manganese tallate	29162000
Cobalt/manganese/zirconium alkylcarboxylate	29159050
Cobalt naphthenate	38232000
Cobalt neodecanoate	29159050
Cobalt-potassium 2-ethylhexanoate	29159050
Cobalt stearate	29157000
Cobalt tallate	29162000
Cobalt/zirconium t-o-alkylcarboxyl ate	29159050
Cocaine	29399050
N-Cocoalkyl-1, 3-propylenedi amine acetate	29310050

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N-Cocoalkyl trimethylenediamine adipate	29224940
Cocoamidoamphoglycinate	34021950
3-Cocbamido-N,N-dimethyl propylamine oxide	34021250
N-(Cocoamidopropyl N,N-acetic acid) ammonium salt	34021250
Cocoamidopropyl betaine	34021950
Cocoamidopropyl dimethyl amine	29241050
Cocoamidopropyl dimethyl amine oxide	34021250
N-Cocoamido-propyl-N,N-dimethylamine oxide	34021950
3-[3-(Cocoamidopropyl)dimethylammoniol-2-hydroxypropane sulfonate	34021950
Cocoamphocarboxyglycinate	34021950
Cocoamphocarboxypropionate	34021950
Cocoamphopropionate	34021950
N-Coco-N,N-dimethylamines	29224950
Coconitrile	29269050
Coconut oil acids, diethanolamine condensate, nes	34021350
Coconut oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Coconut oil acids, diethanolamine condensate (Ratio = 2/1)	34021350
Coconut oil acids, diethanolamine salt	34021150
Coconut oil acids-diethylenetriamine condensate	34021250
Coconut oil acids-N,N-dimethyltrimethylenediamine condensate	34021250
Coconut oil acids-ethanolamine condensate, ethoxylated	34021350
Coconut oil acids, ethanolamine condensate (Ratio = 1/1)	34021350
Coconut oil acids, ethanolamine condensate (Ratio = 2/1)	34021350
Coconut oil acids, ethanolamine salt	34021150
Coconut oil acids-ethanolamine salt, sulfated,potassium salt	34021150
Coconut oil acids, ethoxylated and propoxylated	34021320
Coconut oil acids and oleic acid, potassium salt	34021350
Coconut oil acids, potassium salt	34021150
Coconut oil acids, sodium salt	34021150
Coconut oil acids, 2-sulfoethyl ester, sodium salt	34021150
Coconut oil acids, triethanolamine salt	34021150
N-(Coconut oil acyl)-N-methyltaurine, sodium salt	34021150
N-(Coconut oil acyllsarcosine, sodium salt	34021150
Coconut oil alcohol, ethoxylated	34021320
3-[(Coconut oil alkyl)amidoethylene-(2-hydroxyethyl)amino]propionic acid	34021950
(Coconut oil alkyl)amine	34021250
(Coconut oil alkylamine acetate	34021250
(Coconut oil alkylamine, ethoxylated	34021250
(Coconut oil alkylamine, ethoxylated, acetate	34021250
Coconut oilalkygamine, ethoxylated and phosphated	34021250
N-((Coconut oil alkyl)aminoibutyric acid	34021950
N-[(Coconut oil alkyl)amino]butyric acid, sodium salt	34021150
(Coconut oil alkyl)bis(2-hydroxyethyl, ethoxylated)-methylammonium chloride	34021250
(Coconut oil alkyl)-bis-1hydroxyethyl1methyl ethoxylated mono-(2-carboxyethyl)ether methyl sulfate, potassium salt	34021250
N-[Coconut oil alkyl]sulfosuccinamic and disodium salt	34021150
N-(Coconut oil alkyl)trimethylenediamine	34021250
Coconut oil amide	29241010
Coconut oil, ethoxylated	34021320
Coconut oil, sulfated, sodium salt	34021150
Coconut oil and tallow acids, diethanolamine condensate (Ratio = 2/1)	34021350
Codeine	29391020
Cod oil, sulfated, sodium salt	34021150
Colestipol hydrochloride	29420050
Complex glycerol esters, all other	34021350
Complex linear polyesters and polymeric plasticizers, all other	39079900

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Co-polyesters	39079900
Other copolymer resins of acrylic and/or methacrylic acid esters	39069050
Copolyurethane urea	39091000
Copper acetate	29152900
Copper t-a-alkylcarboxylate	29159050
Copper 2-ethylhexanoate	29159050
Copper oxalate	29171100
Copper tellate	29162000
Corn oil acids, potassium salt	34021150
Corn oil acids, sodium salt	34021150
Corticotropin	29371000
Cortisone acetate	29372100
Cottonseed oil, sulfated, sodium salt	34021150
Coumarin	29322100
Creosote oil (Dead oil): creosote content in solution (100 Percent basis)	27079100
Creosote oil (Dead oil): creosote in coal tar solution (100 Percent solution basis)	27079100
Creosote oil (Dead oil): distillate as such (100 Percent creosote basis)	27079100
m-Cresol	27079930
p-Cresol	27079930
Cresol, ethoxylated	29095050
o-Cresol, from petroleum	27079930
Cresol, propoxylated	29095050
Cresyl glycidyl ether	29109020
Cresylic acid (Less than 75 percent distilling over 215 ° C)	27079950
Cresylic acid, refined; from petroleum	27079950
Crosslinked vinyl-phenol-isocyanate resins	39059050
Crotonaldehyde	29121950
Crotonic acid (2-Butenoic acid)	29161950
Crude coal tar	27060000
Crude coal tar solvent	27060000
Crude light oil	27079910
Crude tar acid oils having a tar acid content of: 5 percent to less than 24 percent	27079950
Cumene hydrogen peroxide	29096020
Cumene hydroperoxide	29096020
Cumene (Isopropyl benzene)	29027000
Cumenesulfonic acid, ammonium salt	29042040
Cumenesulfonic acid, ammonium salt	29041037
Cumenesulfonic acid, sodium salt	29042040
Cumenesulfonic acid, sodium salt	29041037
Cuminyl acetate	29153920
a-Cumyl peroxyneodecanoate	29159020
2-Cumyl peroxyneohexanoate	29159020
p-Cumylphenol	29071950
Cyanamide, rxn. prod. with ethylene oxide, 1-octadecanamide, and carbon dioxide	29269050
Cyanoacetic acid (Malonic nitrite)	29269050
4-(Cyanoacetyl)morpholine	29349040
Cyanocobalamin (medicinal grade)	29362600
4-1(2-Cyanoethyl)ethylamino1-o-tolualdehyde	29269048
Cyano (4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	29269027
Cyanoguanidine (Dicyandiamide) polymer	29269050
Cyanoguanidine polymer	29269050
Cyano-3-phenoxybenzyl-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate	29269027
Cyano(3-phenoxyphenyl)methyl-1-4-chloro-a-(1-methylethyl)benzeneacetate	29269027
3-Cyanopyridine	29333950
Cyanuric chloride	29224950

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Chemical Name	NTS No.
Cyclanol acetate	29153920
Cyclic amphoteric surface-active agents, all other	34021910
Cyclic chemicals, all other	29420010
Cyclic elastomers, all other	40029900
Cyclic fungicides, all other	29349012
Cyclic herbicides, all other	29349014
Cyclic insecticides, all other	29349016
Cyclic intermediates, all other	29420050
Cyclic plasticizers, all other	29173920
Cyclic silizane	29310050
Cyclizine hydrochloride	29335925
Cyclohexane	29021100
Cyclohexane carbonitrile	29269050
1,2-Cyclohexanedicarboxylic acid anhydride	29172000
Cyclohexane dimethanol glycidyl ether	29109020
Cyclohexanesulfamic acid, calcium salt (Calcium cyclamate)	29420050
Cyclohexanesulfamic acid (Cyclamic acid)	29420050
Cyclohexanesulfamic acid, sodium salt (Sodium cyclamate)	29420050
Cyclohexanol	29061200
Cyclohexanone	29142210
Cyclohexanone oxime	29147050
Cyclohexene	29021900
Cyclohexene oxide	29109050
/3-(1-Cyclohexenyl)ethylamine	29213020
Cyclohexylamine	29213020
N-Cyclohexyl-2-benzothiazolesulfenamide	29342040
3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2, 4-(1H,3H1-dione	29336900
1,4-Cyclohexylenedimethanol	29061900
Cyclohexyl ethyl acetate	29153945
Cyclohexylmethyldimethoxysilane	29310050
N-Cyclohexyl-N-palmitoyltaurine, sodium salt	29242950
N-(Cyclohexylthio)phthalimide	29251950
Cyclomethylene citronellol	29062920
cyclooctadiene	29029090
Cyclopentane	29021900
(2-Cyclopenten-1-yl)-2-propanone	29141900
Cyclopropane carboxylic acid, 1-methylpropyl ester	29162000
Cyclopropyl amine	29213050
a-Cyclopropyl-a-(p-methoxyphenyl)-5-pyrimidine methanol (Ancymidol)	29335910
Cycloserine	29412000
Cyclosporine	29419010
p-Cymene	29029020
para-Cymene	29029020
Cypermethrin	29269027
Cyproheptadine hydrochloride	29333937
Cytarabine	29335936
Danazol	29371000
Decabromodiphenyl ether (DBDP)	29036960
Decaglycerol	29094920
Decaglycerol hexaoleate	29094920
trans-Decahydro-fl-naphthol	29061900
Decanal (Capraldehyde)	29121920
n-Decane	29011050
Decanoic acid (Capric acid)	29159018
Decanoic acid, 2-ethyl-2-{{(i-oxodecyl)oxo}methyl}-1,3-propanediyl ester	29189050

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<i>Chemical Name</i>	<i>NTS No.</i>
1-Decanol	29051900
Decanoyl peroxide	29159050
Decyl acetate	29153945
Decyl alcohol, ethoxylated	29094950
Decyl alcohol, phosphated	29190030
Decyl chloride	29031950
n-Decyl mercaptan	29309050
Decyl and octyl alcohols, ethoxylated	34021320
Decyl and octyl alcohols, ethoxylated and propoxylated	34021320
Decyl and octyl phosphate	34021150
Decyl and octyl sulfate, sodium salt	34021150
Decyl oleate	29161550
Decyloxy poly(ethyleneoxy)ethyl chloride	29094950
Decyl polyphosphate, sodium salt	29190050
Decyl sulfate, sodium salt	29209050
Deprenyl hydrochloride	29214940
Desflurane	29091910
Dexamethasone	29372100
Dexamethasone sodium phosphate	29372100
Dexbrompheniramine maleate	29333937
Dexpanthenol	29362400
Dextran	13023900
Dextroamphetamine sulfate	29214935
Dextromethorphan hydrobromide	29252020
Diacetyl tartaric acid esters of monoglycerides	29159050
Diagnostic agents, other than roentgenographic contrast media, all other	30063050
Dialkylbenzene	29029030
Dialkyl (C ₁₂₋₁₈) methylamines	29211950
Dialkyl dicarbonate	29209050
Dialkyldithiocarbamic acid derivative	38121050
Diallylamine	29211950
N,N-diallyl-2,2-dichloroacetamide	29241050
Diallyldimethyl ammonium chloride	29239000
Diallyl isophthalate	39079110
Diallyl maleate	29171927
Di-amine derivatives of dimer acids	29212900
Diamines and polyamines, all other	34021250
1,3-Diaminocyclohexane	29213010
4,8-Diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo-2,6-anthracenedisulfonic acid	29223035
3,3'-Diaminodiphenyl sulfone	29215950
Diaminopropylene-1,2	29211950
Diaminopropylene-1, 3	29211950
1,3-Diaminopropylene	29211950
2,6-Diaminopyridine	29333950
3,4-Diaminopyridine	29333950
Diammonium dithiodiglycolate	29302050
Di-tert-amyl-phenyl acid phosphate	29190050
2,5-Dianilinoterephthalic acid	29224935
Diarylenediamines, mixed	38121010
Diatrizoate, sodium	29224910
1,4-Diazobicyclo(2.2.2)octane	29270040
Di-para-benzoquinone dioxime	29299010
2,5-Dibenzoyl peroxy)-2,5-dimethylhexane	29163970
Dibenzylamine	29214950
Dibenzylamine	29214360

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Chemical Name	HTS ¹ No.
Dibenzylidithiocarbamic acid, zinc salt	29302020
Dibenzylglycerol	29094910
N,N-Dibenzylhydroxylamine	38099100
p-Dibromobenzene	29036960
2,3-Dibromobutane	29033015
1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane	29035920
1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate (Naled)	29190050
1,2-Dibromo-2,4-dicyanobutane	292269050
Dibromodifluoromethane	29034000
(1,2-Dibromoethyl) benzene	29036960
Dibromomethane (Methylene bromide)	29033015
2,6-Dibromo-4-nitroaniline	292214230
Dibromostyrene	29035915
Dibucaine	29334027
Di(2-(2-butoxyethoxy)ethyl) adipate	29171220
Dibutoxyethyl adipate	29171220
Di(2-butoxyethyl) phthalate	29173400
Dibutoxyethyl sebacate	29171950
2,5-Dibutoxy-4-morpholinobenzenediazonium sulfate salt (DBB Sulfate)	29349044
2,6-Di-tert-butyl-alpha-dimethylamino-p-cresol	29222950
Di-n-butylamine	29211910
4,4'-Di-sec-butylaminodiphenylmethane	29215950
2-Dibutylaminoethanol	29221950
Dibutylaminomethanol, condensed with formaldehyde	29221960
2,6-Di-tert-butyl-p-cresol (BHT, or, Butylated hydroxytoluene)	29071910
2,5-Di-sec-butyldecylhydroquinone	29072960
Di-t-butyl dicarbonate	29209050
Di-t-butyl diperoxyphthalate	29173100
Di-tert-butyl disulfide	29309050
Dibutylidithiocarbamic acid, nickel salt	29302050
Dibutylidithiocarbamic acid, sodium salt	29302050
Dibutylidithiocarbamic acid, zinc salt	29302050
Dibutyl hydrogen phosphite	29209050
2,5-Di-tert-butylhydroquinone	29146950
Di-n-butylmagnesium	29310050
Dibutyl maleate	29171927
2,4-Di-tert-butylpheno I	29071920
2,6-Di-tert-butylphenol	29071920
2,6-Di-tert-4-sec-butylphenol	29071920
2,4-Di-t-butyl phenyl 3,5-di-t-butyl hydroxybenzoate	29182940
N,N'-Di-sec-butyl-p-phenylenediamine	38119000
Dibutyl phthalate (including diisobutyl phthalate)	29173100
Dibutyl sebacate	29171950
Dibutyltin bis(butylmaleate)	29310050
Dibutyltin bis(isooctylmercaptoacetate)	29310050
Dibutyltin bis(mercaptolaurate)	29310050
Dibutyltin carboxylates	29310050
Dibutyltin dichloride	29310050
Dibutyl tin dilaurate	29310050
Dibutyltin oxide	29310050
Di-n-butylxantho disulfide	29321910
N-(1,2-Dicarboxyethyl)-N-octadecylsulfosuccinamic acid, tetrasodium salt	29041037
Di(C5-C6 alkyl)naphthalenesulfonic acid	34021210
Dichloralphenazone	29331935
2,2-Dichloroacetyl chloride	29154010

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Chemical Name	NTS No.
3,4-Dichloroaniline	29214220
3,6-Dichloro-2-anisic acid (Dicamba)	29189020
m-Dichlorobenzene	29036910
o-Dichlorobenzene	29036120
p-Dichlorobenzene	29036130
3,3'-Dichlorobenzidine base and salts	29214275
3,4-Dichlorobenzotrifluoride	29036960
2,4-Dichlorobenzoyl peroxide	29141900
2,2-Dichloro-1,1-difluoroethyl methyl ether	29091910
Dichlorodifluoromethane (F-12)	29034000
1,4-Dichloro-2,5-dimethoxybenzene (Chloroneb)	29093030
1,3-Dichloro-5,5-dimethylhydantoin	29332100
Dichlorodimethylsilane	29310050
Dichlorodiphenylsilane	29310040
1,2-Dichloroethane (Ethylene dichloride)	29031500
cis trans-14-1-3-12,2-Dichloroetheny11-2,2-dimethyl-,(S)-cyano(3-phenoxyphenyl) methyl cyclopropanecarboxylate	29162000
1,3-Dichloro-5-ethyl-5-methyl-2,4-imidazolinedione	29332950
1,1-Dichloro-1-fluoroethane (141 b)	29034000
Dichloromethylphenylsilane	29310040
Dichloromethylsilane	29310050
Dichloromethylvinylsilane	29310050
2,4-Dichloro-5-nitrotrifluoromethylbenzene	29049047
2,4-Dichlorophenoxyacetic acid (2,4-D)	29189020
2,4-Dichlorophenoxyacetic acid,2-butoxyethyl ester	29189020
2,4-Dichlorophenoxyacetic acid,dimethylamine salt	29224935
2,4-Dichlorophenoxyacetic acid,esters and salts,all other	29189020
2,4-Dichlorophenoxyacetic acid,ethanolamine and isopropanolamine salts	29224935
2,4-Dichlorophenoxyacetic acid,iso-octyl ester	29189020
2,4-Dichlorophenoxyacetic acid,isopropyl ester	29189020
2,4-Dichlorophenoxyacetic acid, lithium salt	29189020
2-12,4-Dichlorophenoxy)propionic acid	29189010
2-(2,4-Dichlorophenoxy)propionic acid, dimethylamine salt	29224935
3-(3,4-Dichloropheny1)-1,1-dimethylurea (Diuron)	29242115
0-12,4-Dichloropheny1) 0-ethyl S-propyl phosphorodithioate	29201020
3-(3, 4-Dichloropheny11-1-methoxy-l-methylurea (Linuron)	29242115
1-1-12,4-Dichloropheny04-propy1-1,3-dioxolan-2-ylmethyl11-1H-1,2,4-triazole	29310025
3,6-Dichloropicolinic acid	29333925
1,3-Dichloropropene	29032900
2,3-Dichloropropene	29032900
3',4'-Dichloropropionanilide (Propanil)	29241010
2,6-Dichloropyridine	29333947
3,7-Dichloro-8-quinolinic Acid	29334030
Dichlorotetrafluoroethane (F-114)	29034000
Di chlorphenamide	29350043
Dicloxacillin, sodium	29411030
Dicresylphosphorodithioic acid	29310050
Dicresylphosphorodithioic acid, ammonium salt	29201020
Dicresylphosphorodithioic acid, sodium salt	29201020
Dicumarol	29322920
Dicumyl peroxide	29096020
Dicyandiamide resins	39089000
Dicyanodiamide formaldehyde ammonium chloride polymer	38099100
Dicyanoethyldiethylene triamine	29269050
Dicyclohexylamine	29213020
Dicyclohexyl phthalate	29173400

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Chemical Name	HTS No.
Dicyclopentadiene (includes Cyclopentadiene)	29021900
Dicyclopentadienyl acrylate	29161300
Dicyclopentadienylchromium (Chromocene)	29310050
Dicyclopentadienyl methacrylate	29161400
Didecyldimethylammonium chloride	29239000
2,4-Didodecylbenzenesulfonic acid, ammonium salt	34021350
Didodecylbenzenesulfonic acid, sodium salt	29041037
Diesel fuel additives, acyclic, all other	38119000
Diesel fuel additives, cyclic, all other	38119000
Diethanolamine	29221200
Diethanolamine-borate	29310050
Diethanolamine condensate, all other	34021350
Diethanolamine condensates (Amine/acid = 2/1), all other	34021350
Diethanolamine condensates, amine/acid ratio =1/1, all other	34021350
4-(2,5-Diethoxy-4-nitrophenyl)-morpholine	29349040
Diethylaluminum chloride	29310050
Diethylaluminum iodide	29310050
Diethylamine	29211200
p-(Diethylamino)benzaldehyde	29223025
2-Diethylaminoethanol (N,N-Diethylethanolamine)	29221950
2-(2-Diethylaminoethoxy)ethanol	29221950
2-Diethylaminoethyl methacrylate	29221950
N[2-(Diethylamino)ethyl]octadecanamide	29241010
3-Diethylamino-6-methyl-7-(2,4-dimethylanilino) fluoran	29214230
o-(2-(Diethylamino)-6-methyl (4-pyrimidinyl) o,o-dimethyl phosphorothioate	29335915
2,6-Diethylaniline	29214275
N,N-Diethylaniline	29214275
Diethylbenzene	29029030
Diethylcarbamide citrate	29335931
Diethyl carbonate (Ethyl carbonate)	29209050
N,N-Diethylcyclohexylamine	29213010
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propyl pyridine	29333950
N,N'-Diethyl-N,N'-diphenylurea	29242145
Diethyldithiocarbamic acid, cadmium salt and bis(diethylthiocarbamoyl)disulfide, mixture	38121050
Diethyldithiocarbamic acid, tellurium salt	29302050
Diethyldithiocarbamic acid, zinc salt	29302050
Diethylene glycol	29094100
Diethylene glycol adipate	29171250
Diethylene glycol chloroformate	29159050
Diethylene glycol dibenzoate	29163130
Diethylene glycol dimethacrylate	29161400
Diethylene glycol esters, all other	34021350
Diethylene glycol monoester of coconut oil acids	34021320
Diethylene glycol monoester of tall oil acids	34021320
Diethylene glycol monoester of tallow acids	34021320
Diethylene glycol monolaurate	29159050
Diethylene glycol mono-oleate	29161550
Diethylene glycol mono-n-propyl ether	29094950
Diethylene glycol monostearate	29157000
Diethylene glycol sesquiester of tall oil acids	34021320
Diethylene glycol sesquisteate	29157000
Diethylenetriamine	29212900
Diethylenetriamine, alkoxyated	29212900
(Diethylenetriamine) pentamethylenephosphonic acid	29310050
(Diethylenetriamin)pentamethylenephosphonic acid, sodium salt	29310050

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Chemical Name	NTS No.
(Diethylenetrinitrilo) pentaacetic acid	29225050
(Diethylenetrinitrilo) pentaacetic acid, pentasodium salt	29225050
0,0-Diethyl S-12-(ethylthio)ethyl phosphorodithioate (Disulfoton)	29201050
0,0-Diethyl S-I(ethylthio)methyl phosphorodithioate (Phorate)	29201050
Di(2-ethylhexyl) adipate	29171220
Di-2-ethylhexylamine	29211950
Di(2-ethylhexyl) azelate	29171300
---- Di(2-ethyl-1-hexyl) maleate	29171927
Di-(2-ethylhexyl) peroxydicarbonate	29171950
Diethylhexyl phosphoric acid	29190050
Di(2-ethylhexyl) phthalate	29173200
Di(2-ethylhexyl) sebacate	29171950
Diethylhydroxylamine	29280050
Diethyl isophthalate	29173920
0,0-Diethyl 0-(2-isopropyl-4-methyl-6-pyrimidinyl)phosphorothioate (Diazinon)	29335915
Diethyl oxalate (Ethyl oxalate)	29171100
Diethyl phosphorochlorodithionate	29201050
Diethyl phthalate	29173400
Diethyl sebacate	29171950
Diethyl succinate	29171920
Diethyl sulfide (Ethyl sulfide)	29309050
1, 3-Diethyl-2-thiourea	29309050
N,N-Diethyltoluamide (DEET)	29242919
3,5-Diethyltoluene-2,4-diamine	29215150
N,N-Diethyl-m-toluidine	29214360
N,N-Diethyl-p-toluidine	29214360
0,0-Diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate	29333925
Diethylzinc	29310050
Diflorasone diacetate	29379980
Diflunisal	29181930
1,1-Difluoroethane	29033020
Yr-(2,6-Difluorophenyl)-5-methyl-1h-1,2,4-triazolo 11,5-al-pyrimidine-2-sulfonamide	29350070
Dihydrocarvone	29142950
2,3-Dihydro-2,2-dimethyl-7-benzofuranyludibutylaminoithiolmethyl carbamate	29329020
2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate	29329020
2,3-Dihydro-5,6-dimethyl-1,4-dithiin-1,1,4,4-tetraoxide	29309040
2,2-(2,3-Dihydro-1,3-dioxo-1H-inden-2yl)-(quinoliny1)-1,6-methylbenzothiazole-7-sulfonic acid	29349044
2,3-Dihydro-7-hydroxy-2,2-dimethylbenzofuran	29329045
Dihydrolinalool	29052250
1,3-Dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione	29339039
Dihydro myrcenol	29052250
Dihydronordicyclopentadienyl acetate (Cyclacet)	29153945
Dihydronordicyclopentadienyl propionate (Cyclaprop) (Verdyl propionate extra)	29155050
Dihydro pentamethyl indanone	29144950
2,5-Dihydroperoxy-2,5-dimethylhexane	29091910
1,2-Dihydro-3,6-pyridazinedione (Maleic hydrazide) (MH)	29349018
Dihydro terpineol	29051900
2,5-Dihydrothiophene-1,1-dioxide (Sulfolene)	29349050
1,2-Dihydro-2,2,4-trimethylquinoline	29334045
Dihydroxyaluminum aminoacetate	29310050
2,4-Dihydroxybenzophenone	29145020
Di(hydroxy)bis(ammoniumlactato)titanium	29310050
N,N-Dihydroxyethylglycine, sodium salt	29225050
N,N-Dihydroxyethyl tallow glycinat	34021950
1.3-Dihydroxymethyl-5,5-dimethyl-2,4-imidazolinedione	29332950

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Chemical Name	HTS ¹ No.
4,4-Dihydroxymethyl-2-oxazoline	29349050
6,7-Dihydroxy-2-naphthalenesulfonic acid	29082060
Diiodomethyl-p-tolylsulfone	29309028
Diisobutyl adipate	29171220
Diisobutylaluminum chloride	29310050
Diisobutylaluminum hydride	29310050
Diisobutylaluminum oxide	29310050
Diisobutylamine	29211910
Diisobutyl dimethoxychloro silane	29310050
Di-isobutylene (Di-isobutene)	29012910
Diisobutylene polysulfide	38239050
Diisodecyl adipate	29171220
Diisodecyl phthalate	29173300
Diisononanoyl peroxide	29096050
Diisononyl adipate	29171220
Diisononyl phthalate	29173300
Diiso-octyl adipate	29171220
Diiso-octyl phthalate	29173200
Di-isopropane (2,3-Dimethylbutane)	29011040
Diisopropanolamine	29211910
Diisopropyl adipate	29171220
Di isopropylamine	29211910
2-Diisopropylaminoethanol (N,N-Diisopropylethanolamine)	29221950
Diisopropylbenzene	29029030
1,3-Diisopropylbenzene	29029030
1,4-Diisopropylbenzene	29029030
Diisopropyl dimerate	29171950
Diisopropyl ketone (2,4-Dimethyl-3-pentanone)	29141300
Diisopropyl/naphthalene sulf. acid amine salts	29214945
Diisopropyl-naphthalenesulfonic acid, sodium salt	29041037
2,6-Di isopropylphenol	29071920
N,N'-Diisopropyl-p-phenylenediamine	29215150
Diisopropyl sebacate	29171950
Diisostearyl dimerate	29171950
Diketene	29322950
Dilauryl-1-3,3'-thiodipropionate	29309050
Dimenhydrinate	30039000
Dimeracidalkyl amine	34021250
N-(Dimeracidalkyl)trimethylenediamine	34021250
Dimer acid (C ₃₆ aliphatic dibasic acid)	29171950
Dimethindene maleate	29333937
2,5-Dimethoxyaniline, ethoxylated	29214275
p-Dimethoxybenzene (Dimethyl ether of hydroquinone)	29093050
4,4'-Dimethoxy-2,2'-dihydroxybenzophenone	29145020
Dimethoxyethane (Ethylene glycol dimethyl ether)	29091950
1,1-Dimethoxy octane	29095040
3-(Dimethoxyphosphinyloxy)-N, N-dimethyl-cis-crotonamide	29310050
1,2-Dimethoxy-4-propenylbenzene (4-Propenylveratrole)	29095040
N, N-D imethylacetamide	29241010
N, N-D imethylacetacetamide	29241050
O,S-Dimethylacetylphosphoramidothioate (Acephate)	29310050
Dimethyl adipate	29171220
N,N-Dimethyl-N-alkylamine phosphate	29211950
Dimethylamine	29211100
Dimethylamine epichlorohydrin copolymer	39093000

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Chemical Name	HTS No.
m-(Dimethylamino)benzoic acid	29225030
2-Dimethylaminoethanol (N,N-Dimethylethanolamine)	29221950
Dimethylaminoethyl acrylate	29221950
Dimethylaminoethyl acrylate, dimethyl sulfate, quaternary salt	29309050
Dimethylaminoethylacrylate, methyl chloride, quaternary salt	29239000
Dimethylaminoethyl methacrylate	29221950
Dimethylaminoethylmethacrylate, dimethyl sulfate, quaternary salt	29239000
Dimethylaminoethylmethacrylate, methyl chloride, quaternary salt	29239000
Dimethylaminoethylmethacrylate sulfate	29239000
Dimethylaminomethanol	29221950
1-(Dimethylamino)-2-propanol	29221950
Dimethylaminopropylamine	29212900
3-Dimethylaminopropylamine	29212900
N-13-(Dimethylamino)propyl-cocoamide	34021950
N-13-(Dimethylamino)propyl-, (Z)-octadecanamide	29241010
N-13-(Dimethylamino)propyl-11-octadecanamide	29241010
Dimethylammonium hydrogen isophthalate	29173930
N,N-Dimethylaniline	29214210
2,4-Dimethylbenzene sulfonic acid	29163970
N, N-Dimethylbenzylamine	29214275
1,1'-Dimethyl-4,4'-bipyridinium dichloride	29333923
2,2-Dimethylbutanol (Isohexyl alcohol)	29051900
3,3-Dimethylbutene	29012950
Dimethyl butylamine	29211950
Dimethylbutyl amine	29211950
N-(1,3-Dimethylbutyl)-N-phenyl-1,4-benzenediamine	29215150
N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	29215150
N,N-Dimethyl(coconut oil alkyl)amine	34021250
N,N-Dimethyl(coconut oil alkyl)amine oxide	34021250
Dimethyl-1,4-cyclohexanedicarboxylate	29173930
Dimethyl cyclohexane methanol	29061900
N,N-Dimethylcyclohexylamine	29213020
0,0-Dimethyl-0-2,2-dichlorovinyl phosphate (DDVP)	29190050
2,5-Dimethyl-2,5-di(2-ethylhexanoyl peroxy)hexane	29159050
5,6-Dimethyl-2-dimethylamino-4-pyrimidinyl dimethyl carbamate	29335915
Dimethyldioctadecylammonium choride	29239000
Dimethyl disulfide	29309050
2, 5-Dimethyl-2,5-di-tert-butylperoxy)hexane	29096050
2,5-Dimethyl-2,5-di-tert-butylperoxy)hexyne-3	29096050
Dimethyldithiocarbamic acid, bismuth salt	29302050
Dimethyldithiocarbamic acid, copper salt	29302050
Dimethyldithiocarbamic acid, lead salt	29302050
Dimethyldithiocarbamic acid, potassium salt	29302050
Dimethyldithiocarbamic acid, potassium salt	29302050
Dimethyldithiocarbamic acid, selenium salt	29302050
Dimethyldithiocarbamic acid, sodium salt	29302050
Dimethyldithiocarbamic acid, sodium salt and sodium polysulfide	29302050
Dimethyldithiocarbamic acid, zinc salt	29302050
N,N-Dimethyldodecylamine	29211950
N,N-Dimethyldodecylamine oxide	29225050
Dimethyl ether	29091910
N,N-Dimethylethylamine	29211950
N, N-Dimethylformamide	29241010
2, 6-Dimethylheptan-2-ol	29051900
N,N-Dimethylhexadecylamine	29211950

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Chemical Name	HTS I No.
N,N-Dimethylhexadecylamine oxide	29225050
Dimethyl hexanediol	29053950
Dimethylhexanoic acid, calcium carbonate salt	29159050
2,5-Dimethyl-3-hexyne-2,5-diol	29053950
5,5-Dimethylhydantoin	29332100
N,N-Dimethyl(hydrogenated tallow alkyl)amine	34021250
N,N-Dimethyl(hydrogenated tallow alkyl)amine oxide	34021250
1,1-Dimethyl-3-hydroxybutyl-peroxyneohexanoate	29159050
Dimethyl isophthalate	29173920
Dimethyl methylphosphonate	29190050
0,0-Dimethyl 0(4-(methylthio)-m-tolyl)phosphorothioate (Fenthion)	29201020
N,N-Dimethyl(mixed alkyl)amine	34021250
2,6-Dimethylnaphthalene	29029020
N,N-Dimethyl(9-octadecenyl-alkyl)amine	34021250
N,N-Dimethyloctadecenylamine	29211950
N,N-Dimethyloctadecylamine	29211950
3,7-Dimethyl-trans-2,6-octadienal (Citral A geranial)	29121910
3,7-Dimethyl-2,6-octadienal (citral a b)	29121910
3,7-Dimethyl-cis-2,6-octadienal (Citral B) (Neral)	29121910
3,7-Dimethyl-1,2,6-octadienenitrile	29269050
3,7-Dimethyl-1,6-octadien-3-ol,acetate (Linalyl acetate)	29153940
3,7-Dimethyl-cis-2,6-octadienol, acetate (Neryl acetate)	29153945
3,7-Dimethyl-trans-2,6-octadien-1-ol (Geraniol)	29051900
3,7-Dimethyl-1,6-octadien-3-ol (Linalool) (Linalyl alcohol)	29051900
3,7-Dimethyl-cis-2,6-octadien-1-ol (Nero!)	29051900
3,7-Dimethyl-1,6-octadien-3-ol, oxide	29091910
3,7-Dimethyl-2,6-octadien-1-oxime	29280050
3,7-Dimethyl-1, 6-octadien-3-yl formate	29151310
3,7-Dimethyl-1,6-octadien-3-ylisobutyrate (Linalyl isobutyrate)	29161950
3,7-Dimethyl-2,6-octadienyl phenylacetate (Geranyl phenylacetate)	29163320
3,7-Dimethyl-1,6-octadien-3-yl propionate (intily! propionate)	29161950
Dimethyloctanal	29121920
N,N-Dimethyl-1-octanamine	29211950
3,7-Dimethyl-1-octanol	29051900
3,7-Dimethyloctanol-1 (Tetrahydrogeraniol)	29051900
Dimethyloctanyl acetate	29153945
3,7-Dimethyl-6-octen-1-ol (Citronella!)	29121920
3,7-Dimethyl-6-octen-1-ol (Citronellol)	29052250
3,7-Dimethyl-7-octenol 70%, 6-octenol isomer 30%	29052250
3,7-Dimethyl-6-octen-1-oxime	29280050
Dimethyloldihydroxyethylene urea	38099100
N,N-Dimethyl oleyl amine oxide	29225050
Dimethylolpropionic acid	29159018
4,4-Dimethyl oxazolidene	29349050
0,0-Dimethyl S-I(4-oxo-1,2,3-benzotriazin-3(3F1)-yl)methyl)phosphorodithioate (Azinphos-methyl)	29336900
Dimethyl-3-oxo-2-pentylcyclopentane propanedioate	29321950
N,N'-Dimethyl-3,4,9,10-perylenetetra-carboxylic acid 3,4:9,10-diimide	29251920
N,N-Dimethylphenyl urea	29225030
0,S-Dimethyl phosphoramidothioate	29310050
Dimethyl phthalate	29173400
Dimethyl piperazine	29335990
1,4-Dimethylpiperazine	29335980
3,5-Dimethylpiperidine	29333947
1,1-Dimethylpiperidinium chloride	29333923
2,2-Dimethyl-1,3-propanediol (Neopentyl glycol)	29053920

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<i>Chemical Name</i>	<i>NTS No.</i>
Dimethyl sebacate	29171950
N,N-Dimethyl(soybean oil alkyl)amine	34021250
Dimethyl sulfide	29309050
Dimethyl sulfide	29309050
Dimethyl sulfone	29309050
N,N-Dimethyl(tallow alkyl)amine	34021250
Dimethyl-2,3,5,6-tetrachloroterephthalate (DCPA)	29173950
N,N-Dimethyltetradecylamine	29211950
N-(5-1,1-Dimethyl)-1,3,4-thiadiazol-2-yl-N,N-dimethylurea (Tebuthiuron)	29349014
Dimethyltin dichloride	29310050
Dimethyltin-IOTG	29310050
N,N-Dimethyl-m-toluidine	29214320
N,N-Dimethyl-p-toluidine	29214310
N-12,4-Dimethyl-5-11(trifluoromethylisutfonyliaminotphenyl)acetamide	29242919
Dimethylvinyl chlorosilane	29310050
Dimorpholine diethyl ether	29349050
Di-(n-heptyl-n-nonyl) phthalate	29173400
Di-In-heptyl-n-nonyl) undecyl phthalate	29173400
Dinitolmide	29242939
3,5-Dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	29350090
2,4-Dinitro acetani lide	29242950
m-Dinitrobenzene	29042035
2,4-Dinitrobenzenesulfonic acid, sodium salt	29049047
3,5-Dinitrobenzoic acid	29163940
2,6-Dinitro-N,N-dipropyl cumidine	29214275
2,4-Dinitrophenol, tech.	29089008
p-Dinitrosobenzene	29042040
2,4(and 2,6)-Dinitrotoluene	29042035
3,5-Dinitro-o-toluic acid	29049040
Dinonylphenol	29071920
Dinonylphenol, ethoxylated	29095050
Dinonylphenol, ethoxylated and phosphated	29190030
Dinonyl phthalate	29173300
Dinoprostone	30012000
N,N -Dioctadecyl-NN-diisopropyl thiuram disulfide	29309050
Di-n-octyl adipate	29171220
Di-n-octylaluminum iodide	29310050
Di-tert-octyl hydroquinone	29072960
Diocetyl maleate	29171927
Diocetyl phthalates, all other	29173200
Dioxane (1,4-Diethylene oxide)	29329050
1,3-Dioxolane	29329050
2,4-Dioxyypyrimidine (Uracil)	29335990
Di-N,N'-pentamethylenethiuram tetrasulfide	29309050
Dipentylamine	29211950
2,4-Di-tert-pentylphenol	29071920
Diphenhydramine citrate	29221910
Diphenhydramine hydrochloride	29221910
1,2-Diphenoxyethane	29093050
Diphenoxylate	29333937
Diphenylamine	29214450
Diphenylamine-acetone condensate	38122010
Diphenyl-t-butylhexyl phosphite	29190010
Diphenyldimethoxysilane	29310040
Diphenyl-4,4'-diphenyl methylene dicarbamate	29242145

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Chemical Name	HTS ¹ No.
Diphenyldisulfide	29309028
Diphenylisodecyl phosphite	29190010
Diphenylisooctyl phosphite	29190010
Diphenylmethane-4,4'-diisocyanate (MDI)	29291060
N,N'-Diphenyl-p-phenylenediamine	29214360
Diphenyl phthalate	29173400
Diphenylsulfone sulfonic acid, potassium salt	29041037
1,3-Di-4-piperidylpropane	29333950
Dipropanediol dibenzoate (Dipropylene glycol dibenzoate)	29163130
Di-n-propylaluminum chloride	29310050
Dipropylamine	29211910
N ³ ,N ⁵ -Di-N-propyl-1,2,4-dinitro-6-Itrifluoromethyl-N-phenylenediamine	29215150
Dipropylene glycol	29094950
Dipropylene glycol dimethyl ether	29094950
Dipropylene glycol monomethyl ether acetate	29153947
Dipropylene glycol monomethyl ether (3-13-Methoxypropoxypropanol)	29094950
Dipropylene glycol salicylate	29182350
Di-n-propylisocinchomeronate	29333927
Di-n-propyl peroxydicarbonate	29209050
Direct Black 22	32041430
Direct Black 38	32041430
Direct Black 80	32041430
Direct Black 91	32041410
Direct Black 1.63	32041430
Direct Black 165	32041450
Direct Black 170	32041450
Direct black 179	32041450
Direct black dyes, all other	32041450
Direct Blue 14	32041430
Direct Blue 15	32041430
Direct Blue 25	32041430
Direct Blue 75	32041430
Direct Blue 76	32041430
Direct Blue 80	32041430
Direct Blue 86	32041425
Direct Blue 98	32041430
Direct Blue 100	32041430
Direct Blue 108	32041410
Direct Blue 120, 120:1, 120:2, and 120:3	32041430
Direct Blue 160	32041410
Direct Blue 189	32041430
Direct Blue 191	32041430
Direct Blue 199	32041430
Direct Blue 218	32041430
Direct Blue 273	32041450
Direct Blue 279	32041430
Direct Blue 281	32041450
Direct Blue 283	32041450
Direct Blue 286	32041450
Direct blue 290	32041450
Direct blue dyes, all other	32041450
Direct Brown 44	32041430
Direct Brown 232	32041450
Direct brown dyes, all other	32041450
Direct green dyes, all other	32041450

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<i>Chemical Name</i>	<i>NTS / No.</i>
Direct Orange 26	32041430
Direct Orange 34	32041430
Direct Orange 39	32041430
Direct Orange 72	32041430
Direct Orange 102	32041430
Direct Orange 118	32041420
Direct orange dyes, all other	32041450
Direct Red 9	32041420
Direct Red 16	32041430
Direct Red 24	32041430
Direct Red 26	32041430
Direct Red 72	32041430
Direct Red 73	32041430
Direct Red 80	32041430
Direct Red 81	32041430
Direct Red 83	32041425
Direct Red 212	32041430
Direct Red 224	32041430
Direct Red 227	32041430
Direct Red 236	32041430
Direct Red 238	32041430
Direct Red 239	32041430
Direct Red 254	32041450
Direct red dyes, all other	32041450
Direct Violet 9	32041430
Direct Violet 35	32041450
Direct Violet 66	32041430
Direct Violet 99	32041450
Direct Violet 195	32041450
Direct violet dyes, all other	32041450
Direct Yellow 4	32041430
Direct Yellow 5	32041430
Direct Yellow 6	32041430
Direct Yellow 7	32041430
Direct Yellow 11	32041430
Direct Yellow 44	32041430
Direct Yellow 50	32041430
Direct Yellow 84	32041430
Direct Yellow 105	32041430
Direct Yellow 106	32041430
Direct Yellow 107	32041430
Direct Yellow 118	32041430
Direct Yellow 119	32041450
Direct Yellow 127	32041430
Direct Yellow 131	32041430
Direct Yellow 132	32041430
Direct Yellow 133	32041420
Direct Yellow 137	32041430
Direct Yellow 147	32041430
Direct Yellow 148	32041450
Direct yellow 166	32041450
Direct yellow dyes, all other	32041450
Dirithromycin	29419050
N,N'-Disalicylidene-1,2-propanediamine	38119000
Di(sec-butyl)peroxydicarbonate	29209050

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Disodium cyanodithioimidocarbonate	29309040
Disopyramide phosphate	29333937
Disperse Black 9	32041120
Disperse black dyes, all other	32041150
Disperse Blue 1	32041120
Disperse Blue 3	32041120
Disperse blue 14	32041120
Disperse Blue 27	32041120
Disperse Blue 60	32041120
Disperse Blue 62	32041120
Disperse Blue 64	32041120
Disperse Blue 73	32041110
Disperse Blue 79	32041110
Disperse Blue 102	32041120
Disperse Blue 118	32041120
Disperse Blue 148	32041110
Disperse Blue 175	32041150
Disperse Blue 281	32041150
Disperse Blue 291	32041150
Disperse Blue 333	32041150
Disperse Blue 337	32041150
Disperse Blue 359	32041120
Disperse blue dyes, all other	32041150
Disperse Brown 1	32041120
Disperse Brown 18	32041150
Disperse Brown 22	32041150
Disperse Brown 26	32041120
Disperse Green 9	32041110
Disperse Orange 3	32041120
Disperse Orange 25 and 25:1	32041120
Disperse Orange 29	32041120
Disperse Orange 30	32041120
Disperse Orange 37	32041120
Disperse Orange 41	32041120
Disperse Orange 44 and 44:1	32041120
Disperse Orange 73	32041150
Disperse Orange 89	32041120
Disperse Orange 138	32041150
Disperse orangee 153	32041150
Disperse Red 1	32041120
Disperse Red 4	32041120
Disperse Red 13	32041120
Disperse Red 17	32041120
Disperse Red 22	32041120
Disperse Red 30	32041120
Disperse Red 50	32041120
Disperse Red 55	32041120
Disperse Red 60	32041120
Disperse Red 65	32041120
Disperse Red 73	32041110
Disperse Red 74	32041150
Disperse Red 86	32041120
Disperse Red 88	32041120
Disperse Red 91	32041120
Disperse Red 117	32041120

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<i>Chemical Name</i>	<i>NTS No.</i>
Disperse Red 135	32041120
Disperse Red 136	32041120
Disperse Red 137	32041120
Disperse Red 145	32041120
Disperse Red 153	32041150
Disperse Red 159	32041120
Disperse Red 167 and 167:1	32041120
Disperse Red 177	32041120
Disperse Red 179	32041120
Disperse Red 263	32041150
Disperse Red 273	32041150
Disperse Red 274	32041150
Disperse Red 278	32041110
Disperse Red 305	32041150
Disperse Red 307	32041150
Disperse Red 311	32041150
Disperse Red 325	32041150
Disperse Red 333	32041150
Disperse Red 338	32041150
Disperse Red 339	32041150
Disperse Red 340	32041150
Disperse Red 345	32041150
Disperse red dyes, all other	32041150
Disperse Violet 1	32041120
Disperse Violet 17	32041120
Disperse Violet 33	32041110
Disperse Violet 36	32041150
Disperse Violet 60	32041150
Disperse violet dyes, all other	32041150
Disperse Yellow 3	32041120
Disperse Yellow 23	32041120
Disperse Yellow 34	32041120
Disperse Yellow 54	32041120
Disperse Yellow 64	32041120
Disperse Yellow 77	32041120
Disperse Yellow 86	32041120
Disperse Yellow 88	32041120
Disperse Yellow 108	32041120
Disperse Yellow 114	32041120
Disperse Yellow 238	32041120
Disperse Yellow 239	32041120
Disperse yellow dyes, all other	32041150
Distearyldimethyl ammonium methosulfate	29239000
Distearyl-3,3'-thiodipropionate	29309050
Distinnaxane, hexakis(2-methyl-2-phenylpropyl)	29310025
Disulfuram	29309028
1,1-Di(t-amylperoxy)cyclohexane	29092000
1,1-Di(t-butyl peroxy) cyclohexane	29096050
1,1-Di(t-butyl peroxy)- 3, 3, 5-trimethyl cyclohexane	29096050
Di-tertiary nonylpolysulfide	38239050
Di(tetrahydrofurfuryl) propane	29321950
2,2'-Dithiobis(1-benzothiazole)	29342010
Dithiobis(stearyl propionate)	29309050
Dithiocarbamic acid fungicides, acyclic, all other	29302050
Dithiodiglycolic acid	29309045

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<i>Chemical Name</i>	<i>NTS No.</i>
4,4'-Dithiodimorpholine	29339095
Dithiodipropionic acid	29309050
2,5-Di-p-toluidinoterephthalic acid	29224935
Di-tridecyl adipate	29171220
Ditridecyl maleate	29171927
Di-tridecyl phthalate	29173400
Di(tridecyl)-3,3'-thiodipropionate	29309050
Diundecyl phthalate	29173400
1,5-diureidonaphthalene	29299010
Divinylbenzene	29029090
Divinyltetramethyldisilazane	29310050
Divinyl tetremethyldisiloxane	29130050
1,1-Di-3,4-xylylethane	29029030
Diyl/diol/mercapto/etc/ether	29309050
Dobutamine	29222927
Docosanyl docosenoate	29159050
Docosylamine, ethoxylated	29225050
Docusate, potassium	29309050
Docusate, sodium	29309050
n-Dodecane	29011040
Dodecanedioic acid	29171950
Dodecene	29012910
Dodecenylsuccinic anhydride	29171950
Dodecyl alcohol, ethoxylated	29094950
Dodecyl alcohol, ethoxylated and phosphated	29190050
Dodecyl alcohol, ethoxylated and sulfated, ammonium salt	29209050
Dodecyl alcohol, ethoxylated and sulfated, sodium salt	29209050
Dodecyl alcohol (Lauryl alcohol)	29051700
Dodecylamine	29211950
Dodecylbenzene, straight-chain	29029030
Dodecylbenzene sulfonates, all other	29041037
Dodecylbenzenesulfonic acid	29041037
Dodecylbenzenesulfonic acid, ammonium salt	29041037
Dodecylbenzenesulfonic acid, calcium salt	29041037
Dodecylbenzenesulfonic acid, diethanolamine salt	29221200
Dodecylbenzenesulfonic acid, isopropanolamine salt	29221930
Dodecylbenzenesulfonic acid, isopropylamine salt	29211910
Dodecylbenzenesulfonic acid, (Mixed aikyl)amine salt	34021150
Dodecylbenzenesulfonic acid, monoethanolamine condensate	34021350
Dodecylbenzenesulfonic acid, monoethanolamine salt	29221100
Dodecylbenzenesulfonic acid, potassium salt	29041037
Dodecylbenzenesulfonic acid, sodium salt	29041037
Dodecylbenzenesulfonic acid, triethanolamine salt	29221300
n-Dodecyl chloride	29031950
N-Dodecyl-N,N-dimethylamine	29211950
Dodecyldiphenyl oxide	29093050
Dodecyldiphenyloxydisulfonic acid	29109020
Dodecyldiphenyloxydisulfonic acid, disodium salt	29109020
n-Dodecylguanidine acetate (Dodine)	29252050
N-Dodecyl-3-iminodipropionic acid, disodium salt	29252050
N-Dodecyl-3-imino-dipropionic acid, monosodium salt	29252050
tert-Dodecyl mercaptan, ethoxylated	29309050
n-Dodecyl mercaptans	29309050
Dodecylmethylbenzyl chloride	29036960
4-Dodecylmorpholine	29349050

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<i>Chemical Name</i>	<i>NTS No.</i>
Dodecyloxypoly(ethyleneoxy)acetic acid, sodium salt	34021150
Dodecyloxypropionitrile	29269050
Dodecylpentadecyl methacrylate	29161400
Dodecylphenol, ethoxylated	29095050
Dodecylphenol, ethoxylated and phosphated	29190050
Dodecyl phenol, sulfated	29071920
Dodecylphenol, sulfurized, calcium salt	29171920
Dodecylphosphate	29190050
Dodecyl pyridinium chloride	29333947
1-Dodecylpyridinium chloride	29333950
Dodecyl succinic anhydride	29171927
Dodecyl sulfate, ammonium salt	29209050
Dodecyl sulfate, diethanolamine salt	29221200
Dodecyl sulfate, magnesium salt	29209050
Dodecyl sulfate, sodium salt	29209050
Dodecyl sulfate, triethanolamine salt	29221300
Dodecyl and tetradecyl alcohols, ethoxylated and sulfated, ammonium salt	34021150
Dodecyltrimethylammonium bromide	29239000
Dodecyltrimethylammonium chloride	29239000
Doxapram hydrochloride	29349047
Doxylamine succinate	29333937
d(t 1a-Phenylethylamine	29214550
Drug and Cosmetic Green 5	32041940
Drug and Cosmetic Green 8	32041940
Drug and Cosmetic Orange 4	32041940
Drug and Cosmetic Orange 5	32041940
Drug and Cosmetic Red 6	32041940
Drug and Cosmetic Red 7	32041940
Drug and Cosmetic Red 17	32041940
Drug and Cosmetic Red 21	32041940
Drug and Cosmetic Red 22	32041940
Drug and Cosmetic Red 27	32041940
Drug and Cosmetic Red 28	32041940
Drug and Cosmetic Red 30	32041940
Drug and Cosmetic Red 33	32041940
Drug and Cosmetic Red 34	32041940
Drug and Cosmetic Red 36	32041940
Drug And Cosmetic Red 57:1	32041940
Drug And Cosmetic Red 101	32041940
Drug and Cosmetic Yellow 5	32041940
Drug and Cosmetic Yellow 6	32041940
Drug and Cosmetic Yellow 8	32041940
Drug and Cosmetic Yellow 10	32041940
All other dyes	32041940
Edrophonium chloride	29239000
Enalapril maleate	29339090
Enflurane	29091910
Epichlorohydrin	29103000
Epichlorohydrin bisphenol A, ethoxylated	29095050
Epichlorohydrin elastomers (CO, ECO) type	40029900
Epoxides, ethers, acetals, all other	29109050
Epoxidized esters, all other	29189050
Epoxidized linseed oils	15180020
Epoxidized soya oils	15180040
Epoxidized tall oils	15180040

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Chemical Name	NTS? No.
1,2-Epoxy-3-phenoxypropane (Glycidyl phenyl ether)	29109020
2,3-Epoxypropyl trimethyl ammonium chloride	29239000
Epoxy resins, advanced	39073000
Epoxy resins, unmodified	39073000
Ergocalciferol (vitamin D ₂)	29362950
Erucamide	29241010
Erythromycin	29415000
Erythromycin stearate	29415000
Esters of sulfated oleic acid, all other	34021150
Ester tin mercaptoesters	29310050
Estradiol cypionate	29379200
Estrogens, all other	29379200
Estrogens, conjugated	29379200
Estrogens, esterified	29379200
Ethacrynic acid	29189030
2-Ethanediamine, n-(2-aminoethyl)-	29212900
1,2-Ethanediamine, N-12-aminoethylk ethoxylated and propoxylated	34021250
1,2-Ethanediamine, n,n'bis(2-aminoethyl)- polymer with chloromethyl oxirane	34021250
1,2-Ethandiol phosphate	29190050
Ethanolamine condensates, all other	34021350
Ethanolamine condensates, amine/acid ratio = 1/1, all other	34021350
Ethanolamine condensates, amine/acid ratio = 2/1, all other	34021350
Ethandiolglycine, disodium salt	29225050
Ethanol, 2,2',2"-nitrilotris-tris(dihydrogen phosphate) ester, disodium salt	29190050
2-Ethanolpyridine	29333950
5-Ethanoxy-3-trichloromethyl-1,2,4-thiadiazole	29420020
Ethchlorvynol	29052900
Ethers and thioethers, all other	34021350
Ethisterone	29420020
Ethopabate	29163150
Ethosuximide	29339090
Ethotoin	29332100
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	29094400
Ethoxy-ethoxy-t-butyl amino	29221950
2-(2-Ethoxyethoxy)ethanol (Diethylene glycol monoethyl ether)	29094400
2-12-12-Ethoxyethoxy)ethanol (Triethylene glycol monoethyl ether)	29094950
2-(2-Ethoxyethoxy)ethyl acetate	29153947
2-Ethoxyethyl acetate	29153500
Ethoxylated anhydrosorbitol esters, all other	34021350
Ethoxylated anhydrosorbitol monolaurate	29159010
Ethoxylated anhydrosorbitol mono-oleate	29161550
Ethoxylated anhydrosorbitol monopalmitate	29157000
Ethoxylated anhydrosorbitol monostearate	29157000
Ethoxylated anhydrosorbitol monotallate	34021320
Ethoxylated anhydrosorbitol triester of tall oil acids	34021320
Ethoxylated anhydrosorbitol trioleate	29161550
Ethoxylated anhydrosorbitol tristearate	29157000
Ethoxylated 1,3-butylene glycol stearate	34021320
Ethoxylated glycerol and propylene glycol esters of coco fatty acids	34021320
Ethoxylated glycerol sesquiester of mixed fatty acids	34021320
Ethoxylated 1,2-propanediol monostearate	29157000
Ethoxylated sorbitol beeswax ester	34021320
Ethoxylated sorbitol hexaester of tall oil acids	34021320
Ethoxylated sorbitol hexaoleate	29161550
Ethoxylated sorbitol lanolin ester	34021320

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<i>Chemical Name</i>	<i>NTS No.</i>
Ethoxylated sorbitol mono-oleate	29161550
Ethoxylated sorbitol monopalmitate	29157000
Ethoxylated sorbitol monostearate	29157000
Ethoxylated sorbitol oleate, acetylated	29161550
Ethoxylated sorbitol tetraester of lauric and oleic acids	34021320
Ethoxylated sorbitol tetraester of tall oil acids	34021320
Ethoxylated sorbitol tetraoleate	29161550
Ethoxylated sorbitol tetrastearate	29157000
3-Ethoxypropionitrile	29269050
Ethyl acetate (100% basis)	29153100
Ethyl acetoacetate	29183050
Ethylacrolein	29121950
Ethyl acrylate	29161250
Ethyl acrylate methacrylic acid copolymer	39069050
Ethyl alcohol, phosphated, amine salt	29211910
Ethyl alcohol, synthetic	22071060
Ethylaluminum dichloride	29310050
Ethylaluminum sesquichloride	29310050
Ethylamine, mono-	29211910
2-Ethylaminoethanol (Ethylmonoethanolamine)	29221950
2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine (Ametryne)	29336900
N-Ethylaniline, refined	29214275
a-(N-Ethylanilino)-m-toluenesulfonic acid	29221940
Ethyl anthranilate	29224930
Ethylbenzene	29026000
(Ethylbenzyl)dimethyl(mixed alkyl) ammonium chloride	34021210
Ethyl t-butyl ether	29091910
Ethyl butyrate	29156050
Ethyl cellulose	39123900
Ethyl chloride (Chloroethane)	29031100
Ethyl chloroformate	29159050
Ethyl 2-(4-chloro-6-methoxypyrimidin-2-yl)amino carbonyl amino sulfonyl benzoate (Chlorimuron ethyl)	29335915
Ethyl chlorothioformate	29309050
Ethyl cinnamate	29159020
Ethyl cyanoacetate	29269050
Ethyl-2-cyano-3,3-diphenylacrylate	29269044
N-Ethylcyclohexylamine (Herbicide intermediate)	29213010
S-Ethyl diisobutylthiocarbamate (Butylate)	29302050
Ethyl 4-dimethylaminobenzoate	29224930
Ethyl dimethyl(mixed alkyl) ammonium ethyl sulfate	34021250
N-Ethyl-1,2-dimethylpropylamine	29211950
S-Ethyl dipropylthiocarbamate (EPTC)	29302050
Ethyl-3,3-di(t-amylperoxy)butyrate	29159050
Ethyl 3,3-di(t-butyl peroxy) butyrate	29189050
Ethylene	29012100
N,N'-Ethylenebis(5,6-dibromo-2,3-norbornenedicarboximide)	29251950
Ethylene bis(dithiocarbamic acid),disodium salt (Nabam)	29302050
Ethylene bis(dithiocarbamic acid), manganese salt with zinc ions	29302050
Ethylene bisisostearamide	29241050
N,N'-Ethylene-1,2-bis-5-norbornene-2,3-dicarboximide	29251950
N,N'-Ethylenebis-oleamide (Oleic acid-ethylenediamine condensate (Amine/acid ratio = 1/2))	29241010
N,N'-Ethylenebis(stearamide)	29241010
Other ethylene copolymer resins	39019050
Ethylenediamine	29212100
Ethylenediamine, alkoxyated	34021250

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Chemical Name	HTS / No.
Ethylenediamine dihydriodide	29212100
Ethylene dibromide	29033020
(Ethylenedinitrilo)tetraacetic acid, calcium disodium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, diammonium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, disodium copper salt, dihydrate	29224950
(Ethylenedinitrilo)tetraacetic acid, disodium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, disodium zinc salt, dihydrate	29224950
(Ethylenedinitrilo)tetraacetic acid (Ethylenediaminetetraacetic acid) (EDTA)	29224940
(Ethylenedinitrilo)tetraacetic acid, magnesium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, manganese salt	29224950
(Ethylenedinitrilo)tetraacetic acid, monosodium iron salt	29224950
(Ethylenedinitrilo)tetraacetic acid, tetraammonium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, tetrapotassium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, tetrasodium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, trisodium salt	29224950
Ethylene glycol	29053100
Ethylene glycol adipate	29171220
Ethylene glycol diacetate	29153947
Ethylene glycol dimercaptoacetate	29420050
Ethylene glycol dimethacrylate	29161400
Ethylene glycol distearate	29157000
Ethylene glycol di-tributyl ether	29091950
Ethylene glycol di-triethyl ether	29091950
Ethylene glycol di-tri-propyl ether	29094950
Ethylene glycol esters, all other	34021350
Ethylene glycol monostearate	29157000
Ethylene glycol sesquistearate	29157000
Ethylene(12)hydroxystearamide	29241010
Ethylene oxide	29101000
Ethylene-propylene copolymer	39023000
Ethylene-propylene (EP) type	40027000
Ethylene-vinyl acetate (EVA) copolymer resins	39013000
Ethyl-alt-epoxy-fi-methylhydrocinnamate	29163920
Ethyl ether	29091100
Ethyl 3-ethoxy propionate	29155050
Ethyl furoate	29189035
N-Ethyl-N-hexadecylmorpholinium ethyl sulfate	29239000
S-Ethyl-hexahydro-1H-azepine-1-carbothioate (Molinate)	29349050
2-Ethylhexanal (a-Ethylcaproaldehyde)	29121950
2-Ethyl-1,3-hexanediol	29053950
Ethyl hexanoate	29159050
2-Ethylhexanoic acid (a-Ethylcaproic acid)	29159018
2-Ethylhexanoic acid salts, all other	29159050
2-Ethyl-1-hexanol	29051600
2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated	34021150
2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated, sodium salt	34021150
2-Ethylhexanol, ethoxylated and phosphated	29190050
2-Ethylhexanol, ethoxylated, phosphated, potassium salt	29190050
2-Ethylhexanol, ethoxylated and propoxylated	29094950
2-Ethylhexanoyl chloride	29159050
2-Ethyl-1-hexyl acetate	29153950
2-Ethyl-1-hexyl acrylate	29161250
(2-Ethylhexyl) amine, mono-	29211950
2-Ethylhexyl benzoate	29163150
N-12-Ethylhexyl)bicyclo (2.2 .1)-5-he ptene-2,3-dicar boximide	29251950

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Chemical Name	NTS No.
2-Ethylhexyl chloroformate	29159050
2-Ethylhexyl-2-cyano-3,3-diphenylacrylate	29269044
2-Ethylhexyl-1-1-p-dimethylaminobenzoate	29214950
2-Ethylhexyl epoxytallates	29189050
2-Ethylhexyl hydrogen phosphate	29190050
2-Ethyl-1-hexyl methacrylate	29161400
2-Ethylhexyl-p-methoxy cinnamate	29163920
2-Ethylhexyl nitrate	29209050
2-Ethylhexyl oleate	29161550
2-Ethylhexyl palmitate	29157000
2-Ethylhexyl phosphate	29190050
2-Ethylhexylphosphate, potassium salt	29190050
2-Ethylhexyl phosphate, sodium salt	29190050
2-Ethylhexyl phosphate, triethanolamine salt	29221300
2-Ethylhexyl polyphosphate, sodium salt	29190050
2-Ethyl hexyl salicylate	29182320
2-Ethylhexyl salicylate	29182350
2-Ethylhexyl stearate	29157000
2-Ethylhexyl sulfate, sodium salt	29209050
2-Ethyl-2-hydroxymethylhexanol	29053950
4-Ethyl-4-hydroxymethylloxazoline	29349050
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol (Trimethylolpropane)	29054100
Ethyl hydroxyquinoline	29334045
Ethylidene norbornene	29021900
Ethyl isovalerate	29156050
Ethyl laurate	29159010
Ethyl maleate, mono	29171927
N-Ethylmaleimide	29251950
Ethyl mercaptan (Ethanethiol)	29309050
2-(Ethylmercapto)ethanol	29309050
Ethyl methacrylate	29159050
N-Ethyl-2-methylallylamine	29211950
6-Ethyl-2-methylaniline	29214275
Ethyl-2-methyl butyrate	29156050
2-(Ethyl-1,3-methylphenyl) amino]ethanol	29221930
N-13-(1-Ethyl-1-methylpropyl-5-isoxazolyl)-2,6-dimethoxybenzamide (Flexidor)	29349014
0-Ethyl 0-14-(methylthio)phenyl S-propyl phosphorodithioate	29201020
7-Ethyl-2-methyl-4-undecyl sulfate, sodium salt	29209050
4-Ethylmorpholine	29225050
Ethyl myristate	29159050
Ethyl phenylacetate	29153920
N-Ethyl-N-phenylbenzylamine	29214420
Ethyl phosphate	29190050
1-Ethylpiperidine	29333947
Ethyl propionate	29155050
5-Ethyl pyrrolidine-2,3-dicaboxylic acid	29337950
N-Ethyl-N-(soybean oil alkyl)morpholinium ethyl sulfate	34021210
Ethyl sulfate (Diethyl sulfate)	29209050
N-Ethyl-p-toluenesulfonamide	29350070
N-Ethyl-m-toluidine	29214320
Ethyl trimethyl cyclopentenyl buterol	29052250
Ethyl 3,7,11-trimethyldodeca-2,4-dienoate	29161950
Ethyl valerate	29156050
Ethyl vinyl ether	29091910
Etidronate, disodium	29349025

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<i>Chemical Name</i>	<i>NTS I No.</i>
Expandable polyethylene beads	39019050
Expandable polypropylene beads	39023000
Expandable polystyrene beads	39031100
External Drug and Cosmetic Orange 3	32041940
Famotidine	29349025
Fats and oils, chemically modified, all other	15180040
Fatty acid, alkanolamine ester	29225050
Fatty acid esters, not included with plasticizers surface-active agents, all other	29157000
Fatty acid polyamine condensate	38239050
Fatty acid / polyamine condensates	29212900
Fatty acid residues	38239050
Fatty acids	15191940
Fatty acids,C18 AND C18 - unsaturated, sulfonated, ethoxylated and propoxylated	34021320
Fatty acids, hydrogenated	15162090
Fatty acids, partially hydrogenated	15162090
Fatty alcohols, C ₈ -C ₂₃	38239050
Fatty amines	29224950
Fenoprofen	29159020
Fenoprofen calcium	29189030
Fentanyl citrate	29333937
Flavoxate hydrochloride	29333937
Florfenicol	29242939
Flotation reagents, all other	29301000
Flourescent Brightener 315	32042050
Flourescent Brightener 339	32042050
Fluconazole	29339046
Flucytosine	29335936
Fludrocortisone acetate	29372100
Flunixin meglumine	29333937
Fluorelastomers (CFM, FKM, FFKM) type	40029100
Flourescent Brightener 22	32042050
Flourescent Brightener 24	32042050
Flourescent Brightener 28	32042050
Flourescent Brightener 61	32042050
Flourescent Brightener 71	32042050
Flourescent Brightener 102	32042050
Flourescent Brightener 128	32042050
Flourescent Brightener 130	32042050
Flourescent Brightener 134	32042050
Flourescent Brightener 205	32042050
Flourescent brightener 230	32042050
fluorescent brightener 231	32042050
Flourescent brightener 231	32042050
Flourescent brightener 289	32042050
fluorescent brightener 290	32042050
Flourescent brightener 290	32042050
Flourescent brightener 326	32042050
Flourescent brighteners, all other	32042050
Fluorinated (Including other fluorohalogenated) hydrocarbons, all other	29034000
p-Fluoroaniline	29214220
Fluorocarbon resins,all other	39046950
Fluorometholone	29372100
Fluoxetine	29223025
Fluoxymesterone	29379980
Fluprednisolone acetate	29372100

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<i>Chemical Name</i>	<i>NTS No.</i>
Flurbiprofen	29163940
Food, Drug, and Cosmetic Blue 1	32041940
Food, Drug, and Cosmetic Blue 2	32041940
Food, drug, and cosmetic dyes, all other	32041940
Food, Drug, and Cosmetic Green 3	32041940
Food, Drug, and Cosmetic Red 2	32041940
Food, Drug, and Cosmetic Red 3	32041940
Food, Drug, and Cosmetic Red 4	32041940
Food, Drug, and Cosmetic Red 40	32041940
Food, Drug, and Cosmetic Yellow 5	32041940
Food, Drug, and Cosmetic Yellow 6	32041940
Formaldehyde, dicyandiamide, ethylene sulfate polymers	34021310
Formaldehyde (37% HCHO by Weight)	29121100
Formic acid, 90%	29151100
1-Formylpiperidine	29333947
Fuel additives, acyclic, all other	38119000
Fuel additives, cyclic, all other	38119000
Fumaric acid	29171915
2-Furaldehyde (Furfural)	29321200
Furan	29321950
Furanacrolein	29321950
Furan derivatives, all other	29321950
Furfuryl alcohol	29321300
Furfuryl alcohol, ethoxylated	29095050
Furfuryl amine	29321950
Furfuryl type resins	39119050
Furoic acid	29321950
Gabapentin	29213010
D-Galactose	29400000
Galaxolide (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethyl-cyclopenta-y-2-benzopyran)	29109020
Ganciclovir	29339070
Gasoline additives, acyclic, all other	38111900
Gasoline additives, cyclic, all other	38111900
Gemfibrozil	29189030
Gentamycin	29419010
Geranyl acetate	29153945
Geranyl butyrate	29156050
Geranyl ethyl ether	29091910
Geranyl formate	29151350
Geranyl isobutyrate	29156050
Geranyl nitrite (Citalva)	29269050
Geranyl propionate	29155050
Gibberellic acid	29322910
Glipizide	29339080
Glucagon	29379980
Glucoamylase	35079000
Glucoheptonic acid, a-isomer, sodium salt	29171950
Glucoheptonic acid, sodium salt	29171950
a-Gluconamidopropyl dimethy-2-hydroxyethyl ammonium chloride	29239000
Gluconic acid, potassium and sodium salts W/20% mix of sodium bisulfite-formaldehyde	29159050
Gluconic acid and salts, mixed	38239050
Gluconic acid, technical	29181610
Glucose isomerase	35079000
Glucose oxidase	35079000
Glutaraldehyde	29121950

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<i>Chemical Name</i>	<i>HTS¹</i> <i>No.</i>
Glutaraldehyde bis(sodium bisulfite)	29130050
glutaric acid esters, all other	29171920
Glutethimide	29333930
Glycerides, mixed C ₁₄₋₁₈ and C ₁₆₋₁₈ , mono- and di-	29159050
Glycerides, mono, mixed	29159050
Glycerine, alkoxyated	34021320
Glycerine, ethoxyated	29094920
Glycerine, ethoxyated and propoxyated	29094950
Glycerol, alkoxyated, toluene diisocyanate copolymer	34021950
Glycerol diester of lard acids	34021320
Glycerol dilaurate	29159050
Glycerol ester of mixed decanoic and octanoic acids	34021320
Glycerol esters of chemically defined acids, all other	34021350
Glycerol esters of mixed acids, all other	34021350
Glycerol, ethoxyated	29094950
Glycerol kinase	35079000
Glycerol maleate mono-oleate	29171927
Glycerol mono- and diesters of mixed (c18 and c18 unsaturated) acids	34021320
Glycerol mono- and diesters of mixed (c18-18 unsaturated)acids	34021320
Glycerol mono-, di-, and triesters of hydrogenated tallow acids	34021320
Glycerol monoester of C ₃ -C ₁₀ acids	34021320
Glycerol monoester of cottonseed oil acids	34021320
Glycerol monoester of hydrogenated cottonseed oil acids	34021320
Glycerol monoester of hydrogenated lard acids	34021320
Glycerol monoester of hydrogenated soybean oil acids	34021320
Glycerol monoester of lard acids	34021320
Glycerol monoester of mixed fatty acids, acetylated	34021320
Glycerol monoester of mixed vegetable oil acid	34021320
Glycerol monoester of palm oil acids	34021320
Glycerol monoester of safflower oil acids	34021320
Glycerol monoester of tall oil acids	34021320
Glycerol monoester of tallow acids	34021320
Glycerol monolaurate	29159050
Glycerol mono-oleate	29161550
Glycerol monoricinoleate	29161950
Glycerol monostearate	29157000
Glycerol sesquiester of hydrogenated tallow acids	34021320
Glycerol, synthetic only	15209000
Glycerol triester of mixed fatty acids	34021320
Glycerol trioleate	29161550
Glyceryl diacetate (Diacetin)	29153947
Glyceryl monoricinoleate	29181990
Glyceryl monothioglycolate	29309050
Glyceryl triacetate (Triacetin)	29153947
Glyceryl trilacetylricinoleate)	29181990
Glyceryl triacetyl stearate	29157000
Glyceryl trioleate (Triolein)	29161550
Glyceryl Tripropionate	29155050
Glycidol (2,3-Epoxy-1-propanol)	29109050
<i>α</i> -Glycidoxypropyltrimethoxysilane	29310050
Glycidyl ethers, all other	29109050
Glycine (Aminoacetic acid), non-medical	29224940
Glycine, N,N-bis(2-bisIcarboxymethylaminoethyl)-pentasodium salt	29224950
Glycine, N42-(bisIcarboxymethyl)amino}ethyl-N-2-hydroxyethyl-,trisodium salt	29224950
Glycine, N,N-1,2-ethanediyIbis(N-Icarboxymethyl)-tetrasodium salt	29224950

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<i>Chemical Name</i>	<i>NTS No.</i>
Glycolic acid (Hydroxyacetic acid)	29189050
Glycolic acid, potassium salt	29181990
Glycolic acid, sodium salt	29181990
Glycol pelargonate	29159050
Glycol phthalate esters, all others	29173400
Glycol residues	38239050
Glycopyrrolate	29339070
Glyoxal	29121930
Glyoxal-formaldehyde resins	39072000
Gold sodium thiomalate	30039000
Gonadorelin, acetate	29379980
Grandlure	38089010
Grease, other than wool, sulfated, sodium salt	34021150
Guaiacol	29095020
Guaiacwood acetate	29153910
Guaifenesin	29095050
Guanidines, cyclic, other	29252020
Guanine	29333947
Guiacol	29095020
Halcinonide	29372900
Heptachloro-tetrahydro-endo-methanoindene (Heptachlor)	29035910
2-18-Heptadeceny11-4,4-bis(hydroxymethyl)-2-oxazoline	29280050
n-Heptane	29011040
Heptanoic acid	29159018
Heptanoic acid, oxybis(2,1-ethanedioxy-2,1-diyl) ester	29159050
Heptanoic acid, potassium salt	29159050
3-Heptanone (Ethyl butyl ketone)	29141900
2-Heptanone (Methyl amyl ketone)	29141900
Heptenes, mixed	29012910
2-Heptylcyclopentanone	29142950
Herring oil, sulfated	34021150
Herring oil, sulfated, sodium salt	34021150
Hetacill in	29419050
Hexabromocyclodecane	29035950
Hexabromocyclododecane	29035950
Hexachlorocyclopentadiene	29035930
1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride (Chlorendic anhydride)	29162000
Hexadecane	29011050
1-Hexadecanol (Cetyl alcohol)	29051700
Hexadecanolide	29045050
n-Hexadecenylsuccinic anhydride	29171950
Hexadecyl alcohol, ethoxylated	29094950
Hexadecyl alcohol, propoxylated	29094950
Hexadecylamine	29211950
Hexadecyl chloride	29031950
N-Hexadecyl-N,N-dimethylamine	29211950
Hexadecyldiphosphate	29190050
Hexadecyl hexadecanoate (Palmitic palmitate)	29157000
Hexadecylmonophosphate	29190050
N-Hexadecylmorpholine	29225050
Hexadecylnitrile	29269050
Hexadecyl stearate	29157000
Hexadecyltrimethylammonium bromide	29239000
Hexadecyltrimethylammonium chloride	29239000
Hexafluoropropylene, monomer	29033020

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Chemical Name	HTS No.
Hexaglycerol	29094920
Hexahydrophthalic anhydride	29173950
Hexahydro-1,3,5-triethyl-s-triazine	29336900
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	29336900
Hexamethyldisilazane	29310050
Hexamethyldisiloxane	29310050
Hexamethylenediamine adipate (Nylon salt)	29212205
Hexamethylenediaminetetramethylenephosphonic acid), potassium salt	29310050
Hexamethylene-1,6-diisocyanate (HDI)	29291040
Hexamethyleneimine	29252050
Hexamethylenetetramine, tech.	29339087
N-hexanal	29121920
Hexane	29011040
Hexane-1,6-bis(tributylammonium bromide)	29239000
1,6-Hexanediamine (Hexamethylenediamine)	29212250
1,6-Hexanediol	29053950
1-Hexene	29012910
Hexenes, mixed	38239045
cis-3-Hexen-1-yl acetate	29153945
cis-3-Hexenyl methyl carbonate	29209050
cis-3-Hexenyl salicylate	29182320
cis-3-Hexenyl tiglate	29161400
Hexyl acetate	29153945
Hexyl acrylate	29161250
n-Hexyl alcohol	29051900
N-Hexyl alcohol, ethoxylated	29094950
Hexylalcohol, ethoxylated and phosphated	29190050
a-Hexylcinnamaldehyde	29122950
Hexyl n-decyl phthalate	29173400
Hexylene glycol hydroperoxide	29096050
n-Hexyl mercaptan	29309050
Hexyl 2-methylbutyrate	29156050
Hexyl neopentanoate	29159050
Hexyl nitrate	29051900
2-(2-(Hexyloxy)ethoxy)ethanol	29094400
Hexyloxypropyl amine	29211950
Hexyl phosphate	29190050
Hexyl phosphate, potassium salt	29190050
Hexyl sulfate, potassium salt	29209050
Homomenthol salicylate	29163940
Other homopolymer resins of acrylic and/or methacrylic acidesters	39069020
Humatrope	29371000
Hydralazine hydrochloride	29339061
Hydratropaldehyde, dimethyl acetal	29110000
Hydrazine acetate	29152900
Hydrindantin	39094000
Hydrocarbon amine, sulfonate acid	29224950
Hydrocarbon carboxylic acid derivatives (specify)	38239050
Hydrocarbon derivatives: all other hydrocarbon derivatives	29309050
Hydrocarbon phosphorous acid, barium salt	29190050
Hydrocarbon phosphoryl derivatives	29190050
Hydrocarbons, all other	29011050
Hydrocarbons, C4, all other	38239045
Hydrocarbons, C6, all other	38239045
Hydrocarbons, C6, all other	38239045

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Chemical Name	NTS No.
Hydrocarbons, C7, all other	38239045
Hydrocarbons, C5, all other	38239045
Hydrocarbons, C9 and above, all other, including mixtures	38239045
Hydrocarbons, C ₂ -C ₃ mixtures	38239045
Hydrocarbons, C ₆ -C ₆ mixtures	38239045
Hydrocarbons, C ₆ -C ₂ mixtures	38239045
Hydrocarbons, C ₄ fraction	38239045
Hydrocarbons, C ₄ mixtures	38239045
Hydrocarbons, ; mixtures	38239045
Hydrochlorothiazide	29350043
Hydrocodone bitartrate	29391020
Hydrocortisone	29372100
Hydrocortisone acetate	29372900
Hydrocoumarin	29322930
Hydrogenated castor oil, ethoxylated	34021350
Hydrogenated marine glycerides, sulfated, sodium salt	34021150
Hydrogenated menhaden fish oil	15161000
Hydrogenated nitrite (Hnbr) type	40025900
Hydrogenated tallow acids, ethanolamine condensate (Ratio = 2/1)	34021350
(Hydrogenated tallow alkyl)amine	34021250
(Hydrogenated tallow alkyl)amine, ethoxylated	34021250
Hydrogenated tallow amides, ethoxylated	34021350
Hydrogenated tallow diethylenetriamine condensate	34021250
Hydrogenated tallow fatty acid aminoethylethanolamine condensation products	38099100
Hydrogenated tallow glycerides	15161000
Hydrogenated tallow glycerides diethylenediamine condensate	34021320
Hydrolytic enzyme mixtures	35079000
Other hydrolytic enzymes	35079000
Hydroquinone, di(fl-hydroxyethyl) ether	29094915
Hydroquinone (Hydroquinol)	29072210
Hydroquinone, tech.	29072250
Hydroxyacetic acid, potassium salt	29181750
2-Hydroxy-4-allyloxybenzophenone	29145020
Hydroxyamphetamine hydrobromide	29214935
p-Hydroxybenzenesulfonic acid	29082060
p-Hydroxybenzoic acid	29163150
p-Hydroxybenzoic acid, butyl ester	29182980
p-Hydroxybenzoic acid, ethyl ester (Ethyl paraben)	29182940
p-Hydroxybenzoic acid, methyl ester	29182980
p-Hydroxybenzoic acid, propyl ester	29182980
Hydroxycitronellal methyl anthranilate	29224930
Hydroxycitronello	29053950
7-Hydroxy-3,7-dimethyl-1-octanal (Hydroxycitronellal)	29123020
Hydroxyethane-1-diphosphonic acid	29310050
2-Hydroxyethane.sulfonic acid,.sodium salt	29181990
4-Hydroxy-3-ethoxybenzaldehyde (Ethylvanillin)	29124200
Hydroxyethyl acrylate	29161250
Hydroxyethylcellulose	39123100
N-P-Hydroxyethyl-2,4-dihydroxybenzamide	29242950
(2-Hydroxyethyl)dimethyl(3-stearamidopropyl)ammonium dihydrogen phosphate	29239000
(2-Hydroxyethyl)dimethyl(113-stearamidopropyl)ammonium nitrate	29239000
N-(2-Hydroxyethyl)-1,2-diphenylethylenediamine	29215150
(N-Hydroxyethylethylenedinitrilo) triacetic acid	29225050
(N-Hydroxyethylethylenedinitrilo)triacetic acid, iron salt	29225050
IN-Hydroxyethylethylenedinitriloltriacetic acid, magnesium salt	29225050

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Chemical Name	HTS ¹ No.
(N-Hydroxyethylethylenedinitrilo)triacetic acid, trisodium salt	29225050
1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-nor-coconut oil fatty acids-2-imidazolium hydroxide	34021950
1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-oleyl-2-imidazolium hydroxide	29270050
N-(2-Hydroxyethyl)-12-hydroxystearamide	29241050
Hydroxyethylidene diphosphonic acid, potassium salt	29310050
Hydroxyethylidene diphosphonic acid, sodium salt	29310050
Hydroxyethyl methacrylate	29161300
Hydroxyethyl methacrylate	29161400
1-12-Hydroxyethyl)-2-nonyl-2-imidazoline	29270050
1-12-Hydroxyethyl)-2-nor(coconut oil alkyl)-2-imidazoline	34021210
1-12-Hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline	34021210
3-Hydroxy-2-ethyl-4-pyrone (Ethylmaltol)	29329041
1-12-Hydroxyethyl)-2-(tall oil alkyl)imidazoline, fatty acid salt	34021210
1-(2-Hydroxyethyl)-2-undecyl-3-carboxyethylimidazoline, sodium salt	29270050
1-12-Hydroxyethyl)-2-undecyl-2-imidazoline	29270050
4-Hydroxymetanilic acid	29222950
4-Hydroxy-3-methoxybenzaldehyde [Vanillin]	29124100
2-Hydroxy-4-methoxybenzophenone	29145020
4(4-Hydroxy-3-methoxyphenyl)-2-butanone (Vanillyacetone)	29145020
2-11-Hydroxymethylamino-1-2-methylpropanol	29221950
Hydroxymethyl-bis-oxazoline	29349050
2-Hydroxymethylene-17a-ethinylandrosterone-17 β -3-one	29420020
2-(Hydroxymethyl)ethanol	29051900
Hydroxymethyl-5, 5-hydantoin	29332100
Hydroxymethyl(methyl)dithiocarbamic acid, potassium salt	29302010
2-(Hydroxymethyl)-2-methyl-1,3-propanediol (Trimethylolethane)	29054920
2-(Hydroxymethyl)-2-nitro-1,3-propanediol (Tris-(hydroxymethyl)nitromethane)	29055050
4-Hydroxy-4-methyl-2-pentanone (Diacetone alcohol)	29144100
4-(4-Hydroxy-4-methyl pentyl)-3-cyclohexene-10-carboxaldehyde (Lyral)	29123050
3-Hydroxy-2-methyl-4-pyrone (Matto ^o)	29329041
3-Hydroxy-N-(3-N-morpholino- γ -propyl)-2-naphthimide	29349040
6-Hydroxy-2-naphthalenesulfonic acid, sodium salt	29082020
1-Hydroxy-2-naphthoic acid	29182910
3-Hydroxy-2-naphthoic acid, methyl ester	29182980
4-Hydroxynonanic acid, γ -lactone (γ -Nonalactone)	29322930
2-11-Hydroxypentyl-cyclopentanone	29322930
Hydroxyprogesterone	29379980
Hydroxypropyl acrylate	29161250
2-Hydroxypropyl cellulose	39123900
Hydroxypropyl methacrylate	29161400
Hydroxystearic acid, barium salt	29181990
4-Hydroxyundecanoic acid, γ -lactone (γ -Undecalactone)	29322930
Hydroxyurea	29241050
Hydroxyzine pamoate	29335945
Hygromycin B	29420050
Ibuprofen	29163910
i-Butyraldehyde trimer	29124920
1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nor(tall-oil alkyl) derivatives, acetates	34021250
2-Imidazoline-1-(2-aminoethyl)-2-(tall oil alkyl), ethoxylated	34021250
2,4-Imidazolidinedione, 5,5-dimethyl-formaldehyde polymer	29332950
Imino bis-propylamine	29252050
Imino-bis-propylamine	29252050
Iminodiacetic acid	29224940
Iminodiacetonitrile	29269050
N,N'-(Iminodi-2,1-ethanediyll)bis-tall oil fatty amides	34021250

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<i>Chemical Name</i>	<i>fITS No.</i>
Imipramine hydrochloride	29339057
5-indanol	2.9071920
1,2,3-Indantrione monohydrate (Ninhydrin)	29143000
Indomethacin	29339055
Insect attractants, all other	38089010
Insulin	29379100
Iodinated glycerol	29055050
Iodinated (Not otherwise halogenated) hydrocarbons, all other	29033020
o-Iodobenzoic acid	29163150
Iodochlorhydroxyquin	29334020
Iodoethane (Ethyl iodide), non-medical	29033020
Iodoform	29031950
Iodomethane (Methyl iodide)	29033020
1-Iodoperfluorohexane	29034000
3-Iodo-2-propynyl butylcarbamate	29241010
p-Iodotoluene	29036960
Iohexol	29242939
α-Ionone	29142300
<i>fl-Ionone</i>	29142300
Ionone(α- and ft-)	29142300
Iotha la mate, meglu mine	29224925
Iron t-a-alkylcarboxylate	29159050
Iron dextran	30039000
Iron 2-ethylhexanoate	29159050
Iron naphthenate	38232000
Iron tallate	29162000
Isatoic anhydride	29349044
Isoamyl phenylacetate	29163320
Isoascorbic acid (Erythorbic acid)	29322950
Isoascorbic acid, sodium salt (Sodium erythorbate)	29181990
Isobornyl acrylate	29161300
Isobornyl methacrylate	29161400
Isobornyl methyl ether	29092000
Isobornyl propionate	29155050
Isobutane (2-Methyl propa ne)	29011040
Isobutanol, ethoxylated and sulfated, ammonium salt	29209050
Isobutyl acetate	29153945
Isobutyl acrylate	29161250
Isobutyl alcohol (Isopropylcarbinol)	29051400
Isobutylaluminum	29310050
Isobutylaluminum chloride	29310050
Isobutylbenzene	29029030
I sobutylbiphe nyl	29029090
Isobutyl chloroformate	29159050
Isobutylene (2-Methylpropene)	29012300
Isobutyl isobutyrate	29156050
Isobutyl methacrylate	29161400
Isobutyl oleate	29161550
Isobutylquinoline	29334045
Isobutyl stearate	29157000
Isobutyltrimethoxysilane	29310050
Isobutyraldehyde	29121940
Isobutyric acid	29156050
Isobutyric anhydride	29156050
Isobutyronitrile	29269050

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<i>Chemical Name</i>	<i>NTS No.</i>
Isocetyl stearate	29157000
Isocyanic acid derivatives, all other	29291060
Isodecyl acrylate	29161250
Isodecyl adipate	29181990
Isodecyl alcohol	29051900
Isodecyl alcohol, ethoxylated	29094950
Isodecyl alcohol, ethoxylated and propoxylated	29094950
Isodecyl diphenyl phosphate	29190050
Isodecyl methacrylate	29161400
Isodecyl neopentanoate	29159050
Isodecyloxypropionitrile	29269050
Isodecyloxypropylamine	29221950
Isodecyloxypropylamine acetate	29221950
Isodecyloxypropylaminopropylamine	29221950
Isodecyl pelargonate	29159050
Isoflupredone, acetate	29372200
Isoflurane	29091950
Isoheptanes	29011040
Isoheptyl alcohol	29051900
iso-Hexadecenyl succinic anhydride	29171950
Isohexane	29011040
Isohexenyl tetrahydrobenzaldehyde (Myrac aldehyde)	29122950
Isolongifolene epoxide	29109050
Isomenthone	29142950
Isonanoic acid, mono- and triethanolamine salt	.34021350
Isonicotinonitrile	29333950
Isononyl acetate	29153945
Isononyl alcohol	29051900
Iso-octadecenylsuccinic anhydride	29171950
Isooctanoic acid, manganese salt	29159050
Isooctanoic acid salts, all other	29159050
Isooctyl acrylate	29161250
Iso-octyl alcohol	29051600
Iso-octyl alcohol, ethoxylated	29094950
Iso-octyl hydrogen phosphate	29190050
Iso-octyl mercaptoacetate	29309050
Iso-octyl-1-3-mercaptopropionate	29309050
Iso-octyl oleate	29161550
Iso-octylphenol, ethoxylated	29095050
Isooctyl phosphate	29190050
Isooctyl phosphate, potassium salt	29190050
Isopentane (2-Methylbutane)	29011030
Isopentyl acetate (Isoamyl acetate)	29153945
Isopentyl benzoate	29163120
Isopentyl butyrate	29156050
Isopentyl isovalerate	29156050
Isophorone diisocyanate	29329050
Isophoronitrile	29269050
Isophthalic acid, diallyl ester	29173950
Isophthalic acid, dimethyl ester	29173950
Isophthalonitrile	29269048
Isophthaloyl chloride	29173950
Isoprene (2-Methyl-1,3-butadiene)	29012420
Isopropamide iodide	29242939
Isopropanolamine condensates, all other	34021350

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Chemical Name	HTS No.
Isopropenylaluminum	29310050
Isopropyl acetate	29153950
Isopropyl alcohol	29051200
Isopropylamine, mono	29211910
2-Isopropylaminoethanol	29221950
Isopropylbiphenyl	29029090
Isopropyl borate	29310050
Isopropyl chloroformate	29159050
2-Isopropylcyclohexanol	29061900
6-Isopropyldecalone	29141900
Isopropyl ether	29091910
N-Isopropyl hydroxylamine	29225050
4,4'-Isopropylidenebis(2,6-dibromophenol), bis-2,3-dibromopropyl ether	29081035
4,4'-Isopropylidenediphenol (Bisphenol A)	29072300
4,4'-Isopropylidenediphenol, ethoxylated	29093050
4,4'-Isopropylidenediphenol, propoxylated	29093050
Isopropyl mercaptan (2-Propanethiol)	29309050
Isopropyl-11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate (Methoprene)	29189050
Isopropyl myristate	29159050
Isopropyl palmitate	29157000
Isopropylphenol, mixed	29071920
N-Isopropyl-N'-phenyl-p-phenylenediamine	29215150
isopropyl phosphate	29190050
Isopropyl stearate	29157000
Isoquinolinium, 2-(phenylmethyl) chloride	29239000
Isostearic acid, aminoethylethanolamide, acetate salt	29242950
Isostearic acid, mixed isopropanolamines salt	34021150
Isostearic amphopropionate	29157000
Isostearyl isostearate	29159018
Isostearyl neopentanoate	29159050
Isovalerone (Diisobutyl ketone)	29141300
Itaconic acid (Methylenesuccinic acid)	29171950
Ivermectin	29110000
Kanamycin	29419050
Ketamine hydrochloride	29223035
Ketones, all other	29141300
Ketoprofen	29163970
Krenite	29310050
Lactic acid, 100%	29181110
Lanolin, ethoxylated	34021320
Lard oil acids, diethanolamine condensate	34021350
Lard oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Lard, sulfated, sodium salt	34021150
Lasalocid	29349025
Latex type polyvinylidene chloride resins	39045000
3-Lauramido-N,N-dimethylpropylamine oxide	29225050
(3-Lauramidopropyl)trimethylammonium methyl sulfate	29239000
Lauric acid, alkanolamine condensate	34021350
Lauric acid, diethanolamine condensate (Ratio = 1/1)	34021350
Lauric acid, diethanolamine condensate (Ratio = 2/1)	34021350
Lauric acid esters, all other	29159050
Lauric acid, ethanolamine condensate (Ratio = 1/1)	34021350
Lauric acid salts, all other	29159050
Lauric acid, zinc salt	29159050
Lauric and myristic acid, diethanolamine condensate (Ratio = 1/1)	34021350

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Lauric and myristic acids, alkanolamine condensate	34021350
Lauric and myristic acids, diethanolamine condensate (Ratio = 2/1)	34021350
Lauric and myristic acids, ethanolamine condensate (Ratio = 1/1)	34021350
Lauronitrile (Dodecyl nitrile)	29269050
Lauroyl chloride	29159050
Lauroyl lactylate, sodium salt	34021150
Lauroyl peroxide	29159050
N-Lauroylsarcosine, sodium salt	29224950
Lauryl acrylate	29161250
Lauryl alcohol, ethoxylated and phosphated	34021150
Lauryl alkyl dimethylamine acetate	38099910
Lauryl alkyl dimethylamine phosphate	38099910
Laurylamidopropyl betaine	29224950
Laurylamphoglycinate	29224950
Lauryl lactate	29181150
Lauryl methacrylate	29161400
Lauryl pyridinium chloride	29239000
Lead acetate	29152900
Lead-cobalt neodecanoate	29159050
Lead 2-ethylhexanoate	29159050
Lead naphthenate	38232000
Lead neodecanoate	29159050
Lead oleate	29161550
Lead stearate, dibasic	29157000
Lead subacetate	29152900
Leuco Sulfur Black 1	32041930
Leuco Sulfur Black 2	32041930
Leuco Sulfur Black 18	32041950
Leuco Sulfur Blue 7	32041940
Leuco Sulfur Blue 11	32041940
Leuco Sulfur Brown 1, 1:1	32041940
Leuco Sulfur Brown 3	32041940
Leuco Sulfur Brown 37	32041940
Leuco Sulfur Brown 96	32041950
Leuco Sulfur Green 2	32041940
Leuco Sulfur Green 16	32041940
Leuco Sulfur Green 35	32041950
Leuco Sulfur Green 36	32041950
Leuco Sulfur Red 14	32041950
Leuco Sulfur Yellow 22	32041950
Leuprolide acetate	29420005
Levodopa	29224925
Levothyroxine, sodium	29379920
Lidocaine	29242935
Lidocaine hydrochloride	29242935
Light-oil distillates, all other	27079910
Lignin amine	34021250
Lignin, ethoxylated	29094950
Lignin, sodium salt	29209050
Ligninsulfates, all other	34021150
Ligninsulfonic acid, ammonium salt	29189045
Ligninsulfonic acid, calcium salt	29189045
Ligninsulfonic acid, chromium salt	29189045
Ligninsulfonic acid, iron salt	29189045
Ligninsulfonic acid, magnesium salt	29189045

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<i>Chemical Name</i>	<i>NTS / No.</i>
Ligninsulfonic acid, manganese salt	29189045
Ligninsulfonic acid, mixed chromium and iron salts	29189045
Ligninsulfonic acid, mixed salt	29189045
Ligninsulfonic acid, sodium salt	29189045
Ligninsulfonic acid, zinc salt	29189045
I-Limonene	29029090
Linalyl anthranilate	29224930
Lincomycin (animal feed grade)	29419010
Lincomycin (medicinal grade)	29419010
Linear alcohols, sulfated, all other	34021150
Linoleic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Linoleic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Linoleic acid dimers, alkoxylated	34021350
Lipase	35079000
Lisinopril	29337915
Lithium heparin	30019000
Lithium hydroxystearate	29310050
Lithium neodecanoate	29159050
Lithium ricinoleate	29181990
Lithium stearate	29157000
Lovastatin	29322920
Lubricating oil and grease additives, acyclic, all other	38112100
Lubricating oil and grease additives, cyclic, all other	38112100
2,6-Lutidine	29333910
Mafenide acetate	29350039
Magnesium acetate	29152900
Magnesium methylate	29051900
Magnesium salicylate	29182110
Magnesium stearate	29157000
Maleic anhydride	29171410
Maleic anhydride, polypropylene glycol copolymer	34021250
Malic acid	29181930
D-Maltose	17029050
Manganese acetate	29152900
Manganese t-a-alkylcarboxylate	29159050
Manganese 2-ethylhexanoate	29159050
Manganese naphthenate	38232000
Manganese neodecanoate	29159050
Manganese stearate	29157000
Manganese tallate	29162000
Mannitol	29400000
Maprotiline hydrochloride	29214935
(m,p)-Cresol, from petroleum	27079930
Meclizine hydrochloride	29335925
Meclofenamate, sodium	29224925
Meclofenamic acid	29224925
Medicinal chemicals, all other	29420050
Medroxyprogesterone acetate	29379200
Medrysone	29372900
Mefenamic acid	29224925
Megestrol acetate	29379200
Melamine	29336100
Melamine formaldehyde methanol polymer	38099100
Melamine-formaldehyde resins	39092000
Melamine stearyl alcohol polymer	38099100

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Chemical Name	HTS r No.
Melatonin	29339070
Melengestrol acetate	29379200
p-Mentha-1,4181-diene	29021900
dl-p-Mentha-1,8-diene (Limonene)	29021900
p-Mentha-1,8-diene (Limonene)	29029090
p-Mentha-1,3-diene (α-Terpinene)	29029090
p-Mentha-1,4-diene (γ-Terpinene)	29029090
p-Menthane	29021900
p-Menthane hydroperoxide	29096050
p-Menth-1-en-3-one (Piperitone)	29142950
p-Menth-4-(8)-en-3-one (Pulegone)	29142950
dl-Menthol, synthetic	29061100
l-Menthol, synthetic	29061100
Menthyl acetate	29153945
Meperidine hydrochloride	29399050
Mercaptoacetic acid (Thioglycolic acid)	29309050
Mercaptoacetic acid (Thioglycolic acid) salts, all other	29309050
2-Mercaptobenzothiazole	29342060
2-Mercaptobenzothiazole, copper salt	29342060
2-Mercaptobenzothiazole, sodium salt	29342020
2-Mercaptobenzothiazole, zinc salt	29342060
2-Mercaptoethanol	29309050
N-(Mercaptomethylphthalimide S-(0,0-dimethylphosphorodithioate)	29339020
3-Mercapto-1,2-propanediol (Thioglycerol)	29309050
3-Mercaptopropionic acid	29309050
Mercaptopropyltrimethoxysilane	29310050
Mercaptosuccinic acid (Thiomalic acid)	29309050
2-Mercaptotoluimidazole, zinc salt	29342040
Mesalamine	29182110
Methacrylic acid	29161300
α-Methacryloxypropyltrimethoxysilane	29310050
Methadone hydrochloride	29225025
Methamphetamine hydrochloride	29214935
Methane	29011040
Methanearsonic acid, monosodium salt (MSMA)	29310050
Methane sulfonamide	29309050
Methanesulfonic acid, zinc salt	29310050
Methanesulfonyl chloride	29041050
4,7-Methano-1H-indene-2-methanol octahydro acetate	29153920
Methanol, synthetic	29051120
Metharbital	29335945
Methenamine	29339061
Methenamine mande late	29339061
Methimazole	29349025
Methionine (animal feed grade)	29304000
Methocarbamol	29242939
o-Methoxy benzaldehyde	29124920
4-Methoxybenzyl alcohol	29093050
p-Methoxybenzyl alcohol (Anisyl alcohol)	29094910
2-Methoxyethanol (Ethylene glycol monomethyl ether)	29094200
2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether)	29094200
2-12-(2-Methoxyethoxy)ethoxy)ethanol (Triethylene glycol monomethyl ether)	29094950
2-(2-Methoxyethoxy)ethyl-2-methoxyethyl ether (Triethylene glycol dimethyl ether)	29094950
2-Methoxyethyl acrylate	29161250
Methoxyethyl morpholine	29349050

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Chemical Name	HTS No.
Methoxyglutaronitrile	29269050
Methoxyhydrotopaldehyde	29124920
Methoxymethyl morpholine	29349050
d,1-2-16'-Methoxy-2'-naphthyl)propionic acid	29189040
4-Methoxyphenol	29095050
1-p-Methoxyphenyl penten-1-one-3 (a-Methyl-anisalacetone)	29145020
Methoxypolyethylene glycol	29094950
2-Methoxy-4-propenylphenol,acetate	29153920
2-Methoxy-4-propenylphenol (Isoeugenol)	29094910
3-Methoxypropionitrile	29269050
1-Methoxy-2-propyl acetate	29153947
3-Methoxypropylamine	29221950
2-Methoxy-4-propylphenol	29094910
Methscopolamine bromide	29270050
Methsuximide	29339061
N-Methylacetamide	29241010
Methyl acetoacetate	29183050
Methyl acrylate, monomer	29161250
Methyl alcohol, alkoxylated	34021350
Methylal (Dimethoxymethane)	29091950
Methylamine, mono-	29211100
Methylaminoacetaldehyde dimethyl acetal (MAADMA)	29211950
2-Methylaminoethanol (N-Methylethanolamine)	29221950
5-Methyl-o-anisidine [NH ₂ = 1]	29222240
m-Methylanisole	29093040
Methyl anthranilate	29224910
2-Methylanthraquinone	29146950
Methylaziridine	29339095
Methyl behenate	29159050
Methyl benzoate	29163120
2-Methylbenzothiazole	29342060
4-Methylbenzotriazole	29270040
o-Methylbenzoyl chloride	29163940
a-Methylbenzyl acetate (Styralyl acetate)	29153920
N-Methylbenzylamine	29214950
2-Methyl-1,1-biphenylIn-3-y1) methanol	29062950
Methyl-bis(alkylamidoethyl)-2-hydroxyethyl ammonium methyl sulfate	34021250
N-Methylbis(coconut oil alkyl)amine	34021250
N-Methylbis(hydrogenated tallow alkyl)amine	34021250
Methyl bromide (Bromomethane)	29033020
2-Methyl-1-butanol	29051500
3-Methyl-1-butanol (Isoamyl alcohol)	29051500
3-Methyl-2-butenyl acetate	29153945
Methyl-1-1 butylcarbamoylI)-2-benzimidazolecarbamate (Benomyl)	29339020
Methyl-t-butyl ether	29091910
2-Methylbutyl isovalerate	29156050
Methyl butynol	29052900
Methylcellulose	39123900
Methyl chloroformate	29159050
2-12-Methyl-4-chlorophenoxy)propionic acid dimethylamine salt (MCPA DMA salt)	29189020
2-(2-Methyl-4-chlorophenoxy)propionic acid, iso-octyl ester	29189010
2-12-Methyl-4-chlorophenoxypropionic acid (MCPP)	29189020
a-Methylcinnamaldehyde	29152950
Methyl cyanoacetate	29269050
Methylcyclohexane	29021900

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Chemical Name	HTS ¹ No.
1-(2-Methylcyclohexyl)-3-phenylurea (Siduron)	29242115
Methylcyclopentadiene	29021900
Methylcyclopentadienylmanganese tricarbonyl	29310050
Methylcyclopentane	29021900
4-Methyl-2,6-di-tert-butylphenol	29071920
Methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	29162000
Methyl dihydrogen phosphate	29190050
Methyl dihydrojasmonate	29172000
Methyl 2-(4,6-dimethoxypyrimidin-2-yl)amino carbonyl amino sulfonyl methyl benzoate (Bensulfuron) (Londax)	29335915
Methyl N',N'-dimethyl-N-methylcarbamoyloxyl-1-thiooxamide	29309040
Methyl 3,3-dimethyl-4-pentenoate	29161950
Methyl 2-1111(4,6-dimethyl-2-pyrimidinyl)aminoicarbonylaminoisulfonylbenzoate	29335910
N-Methyldioctadecylamine	29211950
Methyl-ditallowimidazolium methosulfate	34021250
N-Methyldithiocarbamic acid, potassium salt	29302010
N-Methyldithiocarbamic acid, sodium salt (Metham)	29302010
Methyl dopa	29225016
2,2'-Methylenebis(6-tert-butyl-p-cresol)	29071910
2,2'-Methylenebis(6-tert-butyl-4-ethylphenol)	29071920
4,4'-Methylenebis(2,6-di-tert-butylphenol)	29071920
2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	29071920
Methylene chloride (Dichloromethane)	29031200
4,4'-Methylenedianiline	29215930
1,2-Methylenedioxybenzene	29093050
5,5'-Methylenedisalicylic acid	29182150
2-Methylene undecanal	29121950
Methyl esters of coconut oil	29159050
Methyl esters of lard oil	29159050
Methyl esters of tallow	29161950
Methyl ethyl ketone	29141200
Methyl ethyl sulfide	29309050
a-11-methylethyl-x-4-trifluoro-methoxy phenyl)-5-pyrimidinemethanone (Flurprimidol)	29335915
Methyl formate	29151350
Methyl formcel	38239050
Methyl p-formylbenzoate	29163150
Methyl furan	29321950
N-11-Methylheptyl ethanolamine	29221950
N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine	29215150
5-Methyl-2-hexanone (Methyl isoamyl ketone)	29141900
Methyl hexyl ether	29091910
Methyl(hydrogenated tallow alkyl)diethylamine condensate, polyethoxylated, methyl sulfate	34021250
1-Methyl-12-hydroxyethylpiperidine	29333947
Methyl 12-hydroxystearate	29181990
4,4',4''-Methyldiyl-tris(N,N-dimethylbenzeneamine)	29214225
2,2'-(Methylimino)diethanol (Methyldiethanolamine)	29221950
3-Methylindole (Skatole)	29339080
γ-Methylionone	29142300
Methylionone(a- and /3-)	29142300
Methyl isobutyl ketone	29141300
Methylisopropyl ketone	29141900
2-Methylacetonitrile (Acetone cyanohydrin)	29269050
Methyl mercaptan (Methanethiol)	29309050
3-Methylmercapto propionaldehyde	29309050
Methyl methacrylate-butadiene styrene (MBS) resins	39039010
Methyl methacrylate, monomer	29161400

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<i>Chemical Name</i>	<i>NTS No.</i>
methyl 241(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonylamino)sulfonylbenzoate	29350070
Methyl N-methylantranilate	29224930
Methyl 2-methyl butyrate	29159050
S-Methyl-N-(1-methylcarbamoyl)oxythioacetimidate (Methomy 11)	29309030
6-Methyl-2-(2-methyl-6-quinoly)-7-benzothiazolesulfonic acid	29342040
4-Methylmorpholine	29349050
Methylnaphthalene	29029020
Methylnaphthalenesulfonic acid, sodium salt	29041037
Methyl neodecanamide	29211950
N-Methyl-p-nitroaniline	29214230
4-Methyl-2-nitroanisole	29093040
2-Methyl-2-nitro-1,3-propanediol	29055010
2-Methyl-2-nitro-1-propanol	29055010
Methyl nonylacetaldehyde dimethyl acetal	29110000
2-Methyl-5-norbornene-2,3-dicarboxylic anhydride	29172000
N-Methyl-N-octyl-1-decanamine	29211950
N-Methyl-N-octyl-1-octanamine	29211950
Methyl oleate	29161550
Methyl oleate, sulfated, sodium salt	29161550
N-Methyl-N-oleoyltaurine, sodium salt	29241050
N-Methyl-N-palmitoyltaurine, sodium salt	29241050
Methyl pentachlorostearate	29159050
2-Methyl-2,4-pentanediol (Hexylene glycol)	29053950
4-Methyl-2-pentanol (1-Methylisobutylcarbinol)	29051900
4-Methyl-3-penten-2-one (Mesityl oxide)	29141900
N-11-Methylpentyl-14P-phenyl-p-phenylenediamine	29215150
Methyl pentynol	29052900
Methylphenidate hydrochloride	29333930
1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1H)-pyridone (Fluridone)	29349014
1-Methylpiperidine	29333947
2-Methylpiperidine	29333947
3-(2-Methylpiperidino)propyl-3,4-dichlorobenzoate (Pipron)	29339020
Methyl pivalate	29159050
Methyl pivaloylacetate	29183050
Methylprednisolone	29372100
D-1-1-3(Acetylthio)-2-methylpropanoyl chloride	29309050
Methylpropyl ketone	29141900
Methylpseudoionone	29141900
1-Methyl-2-pyrrolidone compounds	29337920
1-Methyl-2-pyrrolidone, monomer	29337920
2- and 5-Methyl resorcinol	29072960
Methyl ricinoleate	29181990
Methyl ricinoleate, methylated	29161950
Methyl salicylate	29182320
Methyl stearate	29157000
1-Methyl-2-(2-stearoyloxyethyl)carbamoylpyridinium chloride	29239000
p-Methylstyrene	29029030
a-Methylstyrene	29029090
a-Methyl styrene polymers	39039050
ar-Methylstyrene (Vinyltoluene)	29029090
Methyl sulfate (Dimethyl sulfate)	29209050
Methyl sulfoxide (Dimethyl sulfoxide)	29309050
N-Methyl-N-Itall oil acyl)taurine, sodium salt	34021150
Methyl-tallowamidoethyl-2-tallowimidazolium-methyl sulfate	34021210
Methyltallowdiethylenetriamine condensate, polyethoxylated, methyl sulfate	34021250

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Methylalloydiethylenetriamine condensate, polypropoxylated, methyl sulfate	34021250
N-Methyl taurine, sodium salt (2-Methyl-2-aminoethanesulic acid, sodium salt)	29.309050
Methyltestosterone	29379980
Methyl tetrahydrofuran	29321950
Methyltetrahydrophthalic anhydride	29173950
Methyltrimethoxysilane and polymethyltrisiloxane	29310050
Methyltriocetylammmonium chloride	29239000
2-Methylundecanal	29121920
Methylvinyl cyclic siloxane	29310050
Methyl vinyl ether	29091910
Metoclopramide hydrochloride	29225025
Metronidazole	29339046
Metyrapone	29333937
Mink amidopropyl dimethylamine, isopropanolamine condensate	34021350
Minoxidil	29333937
Miscellaneous acyclic chemicals, all other	29420050
Mitomycin	29339080
Mitotane	29036960
Mivacurium chloride	29334027
Mixed alcohol borates	38239050
Mixed alcohols, ethoxylated	34021320
Mixed alkane sulfonic acid, sodium salt	34021150
(Mixed alkyl)amine	34021250
(Mixed alkyl)amine, ethoxylated	34021250
(Mixed alkyl)amine phosphate	34021250
Mixed alkyl amphopropionate	34021150
Mixed alkyl benzoate	34021310
Mixed t-a-alkylcarboxylic acid salts	38239050
(Mixed alkyl)phenol alkylenediaminealkanolamine formaldehyde	34021310
(Mixed alkyl)phenol epichlorohydrin-formaldehyde, alkoxyated	34021310
(Mixed alkyl)phenol, ethoxylated	34021310
(Mixed alkyl phenol-formaldehyde, alkoxyated	34021310
Mixed alkyl phenol sulfate, ethoxylated, triethanolamine salt	34021110
Mixed alkyl phoshate, sodium salt	34021150
Mixed alkyl phosphate	34021150
Mixed alkyl phosphate, alkylamine salt	34021150
Mixed alkyl phosphate, diethanolamine salt	34021150
Mixed alkyl phosphate, potassium salt	34021150
Mixed alkyl phosphate, triethanolamine salt	34021150
N-(Mixed alkyl)polyethylenepolyamine	34021250
Mixed alkyl stearate	34021320
(Mixed alkyl)sulfobetaine	34021950
N-(Mixed alkylsulfonyl)glycine, sodium salt	34021150
Mixed alpha-olefins and vegetable	34021150
Mixed animal and vegetable oil, sulfated, sodium salt	34021150
Mixed carboxylic acids, diethanolamine condensate	34021350
Mixed carboxylic acids, diethanolamine condensate	34021350
Mixed dialkyl hydrogen phosphates, amine salts	38239050
Mixed fatty acid amide with diethylene triamine/ethyl sulfate	34021250
Mixed fatty acids-alkylenediamine condensate, polyethoxylate	34021250
Mixed fatty acids, alkyl ether, ethoxylated	34021320
Mixed fatty acids, diethanolamine condensate	34021350
Mixed fatty acids, diethanolamine condensate (Ratio =1/1)	34021350
Mixed fatty acids-polyalkylenepolyamine condensate	34021250
Mixed fish oils, sulfated, ammonium salt	34021150

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Chemical Name	NTS ¹ No.
Mixed fish oils, sulfated, sodium salt	34021150
Mixed higher glycol amine (MHGA)	29221950
Mixed linear alcohols, alkoxyated	34021350
Mixed linear alcohols, alkoxyated, all other	34021350
Mixed linear alcohols, alkoxyated and phosphated, potassium salt	34021150
Mixed linear alcohols, ethoxyated	34021350
Mixed linear alcohols, ethoxyated, benzyl ether	34021310
Mixed linear alcohols, ethoxyated and phosphated	34021150
Mixed linear alcohols, ethoxyated and phosphated, sodium salt	34021150
Mixed linear alcohols, ethoxyated and propoxyated	34021350
Mixed linear alcohols, ethoxyated and sulfated, ammonium salt	34021150
Mixed linear alcohols, ethoxyated and sulfated, sodium salt	34021150
Mixed linear alcohols, sulfated, ammonium salt	34021150
Mixed linear alcohols, sulfated, diethanolamine salt	34021150
Mixed linear alcohols, sulfated, sodium salt	34021150
Mixed linear alcohols, sulfated, triethanolamine salt	34021150
Mixed oleic, lauric, stearic, and palmitic hexaglycerol esters	34021320
Mixed(secondary linear alcohol)polyethylene propionic acid, sodium salt	34021150
Mixed tall oil and rosin acids, ethoxyated	34021320
Mixed tertiary mercaptan	29309050
Mixed vegetable fatty acids, potassium salt	34021150
Mixed vegetable oils, sulfated, ammonium salt	34021150
Mixed vegetable oils, sulfated, sodium salt	34021150
Mixed wool grease and tall oil fatty acids	29159050
Mixtures not specifically itemized, all other	38239050
Mixtures of alcohols, C ₁₂ and higher, other	38239050
Modified rosin esters	38063000
Modified rosin (unesterified)	38061000
Molindone hydrochloride	29339061
Mometasone	29372900
Monesin	29322920
(Mono-(C ₁₀₋₁₆)alkyl derivatives)benzenesulfonic acid, ammonium salt	29041037
Monoethanolamine	29221100
Monoethanolamine borate	29310050
mono(2-Ethylhexyl-2-ethylhexyl)phosphonic acid	29209050
Monohydric alcohol esters, all other	29159050
Monoisopropanolamine	29221950
Monomethyl tin	29310050
Mordant Brown 1	32041940
Mordant Brown 70	32041940
Mordant Orange 1	32041940
Mordant Orange 3	32041950
Mordant Orange 6	32041940
Morphine sulfate	29391050
Morpholine	29349050
Morpholine salt of gluconic acid	29339095
Morpholine salt of p-toluene sulfonic acid	29163970
N-Morpholinyl-2-benzothiazolyl disulfide	29331940
2,2'-(m-Tolyiminoldiethanol	29252020
Mustard seed oil fatty acids diethylenetriamine, phosphate salt	34021250
Myrcene	29012950
Myrcenyl acetate	29153945
Myristic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Myristic acid esters, all other	29159050
Myristyl alcohol, propoxyated	29094950

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Chemical Name	HTS No.
Myristyl lactate	29181150
Myristyl myristate	29159050
Myristyl stearate	29157000
Nadolol	29214940
Nafcillin, sodium	29420020
Naphazoline hydrochloride	29332920
Naphthalene	27074000
1-Naphthaleneacetamide	29242915
1-Naphthaleneacetic acid,ethyl ester	29163970
1-Naphthaleneacetic acid (NAA)	29163970
1-Naphthaleneacetic acid,sodium salt	29163970
Naphthalene, crude, solidifying at 76 ^o C to less than 79 ^o C	27074000
Naphthalene, crude, solidifying at less than 74 ^o C.	27074000
Naphthalenesulfonates, all other	34021110
Naphthalenesulfonic acid, bis(1-methylethyl)-, compounded with cyclohexanamine (1:1)	29041037
2-Naphthalenesulfonic acid, formaldehyde condensate and salt	38099910
Naphthalene sulfonic acid, polymer with formaldehyde and 4,4'-dihydroxydiphenyl sulfone	34021310
Naphthalene sulfonic acid, sodium salt, formaldehyde condensate	29041037
Naphthalimide	29251920
Naphthenate driers, mixed salts	38232000
Naphthenic acid, acid number 150-199	38232000
Naphthenic acid, acid number 200-224	38232000
Naphthenic acid,copper salt	29163970
Naphthenic acid, ethoxylated	34021 150
Naphthenic acid/polyamine condensates	29215940
Naphthenic acids-polyalkylene polyamine condensate	34021210
Naphthenic acids-tall oil fatty acids-polyalkylene polyamine condensate	34021210
Naphthol reds, all other	32041750
p-12-Naphthylamino)phenol (N-1p-Hydroxyphenyl)-2-naphthylamine)	29222950
N-1-Naphthylphthalamic acid (NPA)	29242115
Narasin	29412000
Natural fats and oils, ethoxylated, all other	34021320
Neat's foot oil, sulfated, sodium salt	34021210
Nefazodone	29339061
Neo-C ₉ -C ₇₂ acids	29159018
Neodecanoic acid	29159018
Neodecanoic acid, potassium salt	29159050
Neodecanoic acid salts, all other	29159050
Neodecanoic acid, sodium salt	29159050
Neodecanoyl chloride	29159050
Neoheptanoyl chloride	29159050
Neohexane (2,2-Dimethylbutane)	29011040
Neomycin (animal feed grade)	29419010
Neomycin (medicinal grade)	29419010
Neopentanoic/neoheptanoic acids	29159018
Neopentyl glycol diglycidyl ether	29109050
Neopentyl glycol glutarate	29171920
Neopentylglycol hydroxypivalate	29159050
Neopentyl glycol oleate	29161550
Netilmicin	29389000
Niacinamide (animal feed grade)	29362915
Niacinamide (medicinal grade)	29362915
Niacin (medicinal grade)	29361000
Nickel acetate	29152900
Nickel 2-ethylhexanoate	29159050

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Nicotinonitrile (3-Cyanopyridine)	29333950
Nifedipine	29333937
Nitarsons	29310022
Nitrile (NBR) type	40025900
Nitriles, all other	29269050
Nitrilotriacetic acid	29224940
Nitrilotriacetic acid, trisodium salt	29299050
Nitrilo-tris-methylene triphosphonic acid	29310050
Nitrilo-tris-methylene triphosphonic acid, sodium salt	29310050
o-Nitroaniline	29214275
p-Nitroaniline	29214275
-Nitrobenzamide	29242950
Nitrobenzene	29042035
m-Nitrobenzenesulfonic acid, sodium salt	29049047
m-Nitrobenzoic acid	29163970
o-Nitrobenzoic acid	29163970
p-Nitrobenzoic acid	29163970
m-Nitrobenzoic acid, sodium salt	29163970
2-Nitro-N-benzoylaniline	29224935
p-Nitrobenzylacetoacetate	29163940
4'-Nitro-4-biphenylcarboxylic acid	29163970
4-(2-Nitrobutyl) morpholine	29349050
2-Nitro-p-cresol	29089050
5-Nitrodimethylisophthalate	29181930
Nitrodiphenylamine	29214410
Nitroethane	29042050
Nitrogenous compounds, acyclic, all other	29299050
5-Nitroisophthalic acid	29173950
Nitromethane	29042050
p-Nitrophenethyl alcohol	29062950
p-Nitrophenol	29089008
p-Nitrophenol, sodium salt	29089050
1-Nitropropane	29042050
2-Nitropropane	29042050
5-Nitrosalicylic acid	29182980
3(and 5)-Nitrosalicylic acid	29182980
p-Nitrosophenol	29089050
4-Nitrosophenol, sodium salt	29089050
N-Nitrosophenylhydroxylamine, ethanolamine salt	29225030
m-Nitrotoluene	29042035
o-Nitrotoluene	29042035
p-Nitrotoluene	29042010
Nitrotoluene mixtures	29042045
Nizatidine	29349025
Nonanal	29121950
1,3-Nonanediol acetate	29153945
Nonanoic acid (Pelargonic acid)	29159018
Nonene (Tripropylene)	29012910
Nonenylsuccinic anhydride	29171950
Nonionic surface-active agents, all other	34021350
Non-nylon type, polyamide resins	39089000
Nonyldiphenylamine mixture (Mono-, di-, and tri-)	29214420
tert-Nonyl mercaptan	29309050
Nonylphenol	29071300
Nonylphenol, barium salt	29071920

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Chemical Name	HTS ¹ No.
Nonylphenol, ethoxylated	29095050
Nonylphenol, ethoxylated and carbonated, sodium salt	34021150
Nonylphenol, ethoxylated, coconut oil esters	34021350
Nonylphenol, ethoxylated and phosphated	29190030
Nonylphenol, ethoxylated and phosphated, diethanolamine salt	29190050
Nonylphenol, ethoxylated and phosphated, sodium salt	29190050
Nonylphenol, ethoxylated and propoxylated	29095050
Nonylphenol, ethoxylated and sulfated, ammonium salt	29209020
Nonylphenol, ethoxylated and sulfated, sodium salt	29095040
Nonyl phenol, ethoxylated with mixed fatty acids	34021310
Nonyl phenol ethoxylate, oleate	34021310
Nonylphenol-formaldehyde, alkoxyethylated	34021310
Nonylphenol glycidyl ether	29109020
Nonylphenol, hydroxyalkoxypolyether	34021320
Nonylphenol, propoxylated	29095050
Nonylphenoxy ethoxycocoate	34021310
Nonylphenoxy poly(ethyleneoxy) ethyl iodide	29109020
Nonylphenyl phosphites, mixed	29190030
Nortriptyline hydrochloride	29214935
Noscapine	29334027
Novobiocin, sodium	29420020
Nylon 6/6	39081000
Nylon 6 (Polymer for fiber, only)	39081000
Nylon type, polyamide resins	39081000
Nystatin (medicinal grade)	29412000
Ocimene	29012910
Ocimenyl acetate	29153945
Octabromodiphenyl oxide	29093040
Octachlorohexahydro-4,7-methanoindene (Chlordan)	29035910
Octadecane nitrite	29269050
Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	29159050
1-Octadecanol (Stearyl alcohol)	29051700
Octadecenitrile (Oleonitrile)	29269050
9-Octadecenyl alcohol, ethoxylated	29094950
9-Octadecenyl alcohol, ethoxylated and phosphated	29190050
9-Octadecenylamine	29211950
(9-Octadecenylamine, ethoxylated)	29211950
Octadecenyl succinic anhydride	29171950
N-(9-Octadecenyl)trimethylenediamine	29212900
Octadecylamine, ethoxylated and phosphated, sodium salt	34021150
Octadecyl alcohol, ethoxylated	29094950
Octadecylamine	29211950
Octadecylamine acetate	29211950
Octadecylamine, ethoxylated	29211950
Octadecyl chloride	29031950
N-Octadecyl-N, N-dimethylamine	29211950
N-Octadecylsulfosuccinamic acid, disodium salt	29241050
(-)-Octamandelate	29181750
Octanal	29121920
n-Octane	29011040
n-Octanesulfonic acid, sodium salt	29159050
Octanoic acid (Caprylic acid)	29159018
Octanoic acid (Caprylic acid) salts, all other	29159050
Octanoic acid, 2-ethyl-2((11-oxooctylloxy)methyl)-1,3-propanediyl ester	29183050
1-Octanol	29051600

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<i>Chemical Name</i>	<i>HTS No.</i>
2-Octanol (sec-Capryl alcohol)	29051600
2-Octanone (Hexyl methyl ketone)	29141900
Octenes, mixed	38239045
Octenylsuccinic anhydride	29171950
N-Octyl acetate	29153945
tert-Octylamine	29211950
n-Octylamine, mono	29211950
Octyl chloride	29031950
n-Octyldecyl mercaptan	29309050
Octyl/decyloxypropylamine	29221950
n-Octyl n-decyl phthalate	29173400
Octyldimethyl-p-aminobenzoate	29224930
Octyldiphenylamine	29214450
Octyldiphenylamine, alkylated	29214420
N-n-Octyl glucamine	29221950
Octyl isovalerate	29156050
n-Octyl mercaptan	29309050
tart-Octyl mercaptan	29309050
Octylphenol	29071300
n-Octylphenol, ethoxylated	29095050
Octylphenol, ethoxylated and phosphated	29190030
Octylphenol, ethoxylated and sulfated, sodium salt	29209020
n-Octylphenol, ethoxylated and sulfonated, sodium salt	29089040
tert-Octylphenol-formaldehyde, ethoxylated	34021320
Octyl phosphate, alkylamine salt	34021150
Octyl polyphosphate	29190050
Octyl polyphosphate, potassium salt	29190050
N-Octyl-2-pyrrolidone	29337950
Octyl sulfate, sodium salt	29209050
Octyltin vinyl additives	29310050
N-Octyltriethoxy silane	29310050
S-10,04)isopropyl phosphorodithioate) ester of N-(a-mercaptoethyl)benzenesulfonamide (Bensulide)	29350090
Oil-soluble petroleum sulfonate, all other	38239050
Oil-soluble petroleum sulfonate, barium salt	38239050
Oil-soluble petroleum sulfonate, calcium salt	38239050
Oil-soluble petroleum sulfonate, magnesium salt	38239050
Oil-soluble petroleum sulfonate, mixed salts	38239050
Oil-soluble petroleum sulfonate, sodium salt	38239050
Oleamide (Octadecene amide)	29241010
Oleamidopropyl betaine	38239050
Oleamidulosuccinamic acid, disodium salt	29041037
Oleic Acid	29161510
Oleic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Oleic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Oleic acid, diethanolamine salt	29221200
Oleic acid-N,N-dimethyltrimethylenediamine condensate	34021250
Oleic acid esters, all other	29161550
Oleic acid-ethanolamine condensate, ethoxylated	34021350
Oleic acid, mixed isopropanolamine salt	34021150
Oleic acid, morpholine salt	29161550
Oleic acid, N-octyl ester	34021320
Oleic acid, potassium salt	29161550
Oleic acid, sodium salt	29161550
Oleic acid, sulfated	29161550
Oleic acid, sulfated, disodium salt	29161550

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Chemical Name	HTS ¹ No.
Oleic acid, triethanolamine salt	29221300
N-10leoyloxyisopropyl ¹ sulfosuccinamic acid	29041037
Oleoylpalmitamide	29241010
Coleyl alcohol, ethoxylated	29094950
Oleyl alcohol, propoxylated	29094950
(¹)leyl betaine	29299050
(¹)leyl oleate	29161550
Omeprazole	29339075
Organ-aluminum compounds, all other	29310050
Organo-boron compounds, all other	29310050
Organo-magnesium compounds, all other	29310050
Organophosphorus insecticides, cyclic, all other	29310025
Organo-silicone compounds, all other	29310050
Organo-tin compounds, all other	29310050
Organo-zinc compounds, all other	29310050
Ormetoprim	29335936
Orphenadrine citrate	29214940
Oxacillin, sodium	29411030
Oxamide	29241010
4,4(5H)-Oxazole dimethanol, 2-(heptadecenyl)	29349050
Oxidized Fischer-Tropsch wax	29420050
Oxidized hydrocarbon mixture	38239050
Oxi-pyrimidine	29299050
Oxirane methanol carboxylates/methylenebis(benzeneamine)	29214230
Oxirane, methyl-, polymer with oxirane, didodecylbenzenesulfonate	29041037
Oxoaluminum benzoate/2-ethylhexanoate	29310050
Oxoaluminum isopropoxide	29310050
Oxoaluminum stearate	29157000
3-Oxo-2-pentylcyclopropane acetic acid	29153945
Oxo process bottoms	29420050
Oxyluminum benzoate	29163150
Oxyluminum octanoate	29189050
p,p'-Oxybis(benzenesulfonylhydrazide)	29309028
Oxybutynin chloride	29224925
Oxycodone hydrochloride	29391020
4,4'-Oxydianiline	29221940
N-Oxydiethylene-2-benzothiazolesulfenamide	29309050
Oxygen-containing quaternary ammonium salts (Except those having amide linkages), all other	34021250
Oxyquinoline benzoate (benoxiquine)	29334027
Oxyquinoline citrate	29334027
Oxyquinoline sulfate	29334020
Oxytetracycline (animal feed grade)	29413000
Paint dryers, naphthenic acid salts, all other	38232000
Palmitic acid esters, all other	29157000
Palm kernel oil acids, diethanolamine condensate (Ratio =1/1)	34021350
Palm kernel oil acids, potassium salt	34021150
Palm kernel oil acids, sodium salt	34021150
Palm oil acids, sodium salt	34021150
p-[(p-Aminophenyl)azolbenzenesulfonic acid	29270050
2-(p-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid and salt	29342060
Panthenol	29362950
n-Paraffins, other	38239045
n-Paraffins, C ₁₀ -C ₁₇	38239045
n-Paraffins, C ₆ -C ₉	38239045
n-Paraffins, C ₉ -C ₁₆	38239045

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<i>Chemical Name</i>	<i>HTS No.</i>
Paraformaldehyde	29126000
P-tert-Butylphenol-formaldehyde, alkoxyated	34021310
2-(p-tert-Butylphenoxy)cyclohexyl-2-propynyl sulfite	29093030
N-(3-(p-tert-butylphenyl)-2-methylpropylidene)-anthranilic acid, methyl ester	29122950
Pelargonic acid, barium salt (Barium nonoate)	29159050
Pelargonic acid, calcium salt (Calcium nonoate)	29159050
Pelargonic acid esters, all other	29159050
Pelargonic acid-tetraethylenepentamine condensate	34021250
Pemoline	29349044
Penicillin G, benzathine	29411020
Penicillin G, procaine (medicinal grade)	29411020
Penicillin V, potassium	29411050
Pentabromodiphenyl oxide	29093050
Pentachloronitrobenzene (PCNB)	29049047
Pentachlorophenol, sodium salt	29081020
Pentaerythritol	29054200
Pentaerythritol, brominated	29055050
Pentaerythritol esters	38239050
Pentaerythritol stearate	29157000
Pentaerythritol tetraacrylate	29161250
Pentaerythritol tetrakis (3-Mercaptopropionate)	29309050
Pentaerythritol tetraoctanoate	29159050
Pentaerythritol tetraoleate	34021320
Pentaerythritol tetrastearate	29159050
Pentaethylenehexamine	29212900
N,N,N',N'-Pentamethyl-N-(tallow alkyl)trimethylene-bisfammmonium chloride]	34021350
n-Pentane	29011030
1,5-Pentanediol	29053950
2,4-Pentanedione (Acetylacetone)	29145050
2,4-Pentanedione peroxide	29141900
1-Pentanol	29051500
3-Pentanone (Diethyl ketone)	29141900
Pentazocine	29270050
Pentazocine hydrochloride	29270050
1-Pentene	29012910
Pentenes, mixed	38239045
Pentobarbital	29335945
Pentylamine, mono-	29211950
Pentyl aminoethanol	29221950
Pentylbenzene	29029030
α-Pentylcinnamaldehyde	29122950
2-Pentyl-cyclopenten-1-one	29322930
p-tert-Pentylphenol	29071920
o-Pentylphenol (o-Amylphenol)	29071920
Perchloroethylene (Tetrachloroethane)	29031910
Perchloromethanethiol (Perchloromethyl mercaptan)	29309050
Peroxyacetic acid (Peracetic acid)	29159050
3,4,9,10-Perylenetetra carboxylic acid	29173950
3,4,9,10-Perylenetetra carboxylic-3,4:9,10-dianhydride	29173950
3,4,9,10-Perylenetetra carboxylic-3,4:9,10-diimide	29251910
Pesticides and related products, acyclic, all other	29349050
Pesticides and related products, cyclic, all other	29349018
Petroleum hydrocarbon resins	39111000
Petroleum sulfonic acid, water soluble (Acid layer), sodium salt	34021150
1,10-Phenanthroline	29339039

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Phenethyl acetate	29153920
Phenethyl alcohol	29062910
a-Phenethylamine	29214950
2-Phenethylamine	29214950
Phenethyl formate	29151310
Phenethyl isobutyrate	29156010
Phenethyl isovalerate	29156010
2-Phenethyl phenylacetate	29163320
1-Phenethyl-2-picolinium bromide	29339095
Phenethyl propionate	29155020
Phenethyl pyridinium bromide	29333950
p-Phenetidine	29222210
Phenindamine tartrate	29339026
Phenobarbital	29335160
Phenobarbital, sodium	29335160
Phenol, alkylated	38123040
Phenol, ethoxylated	29095050
Phenol, ethoxylated and phosphated	34021110
Phenol-formaldehyde resin (with lignite)	39094000
Phenol-formaldehyde resin (with lignosite)	39094000
Phenol, hindered	38123040
Phenolic and other tar acid resins	39094000
Pheno1,4,4'-(1-methylethylidene)bis-polymer with (chloromethyl oxirane	34021350
Phenol, natural, from petroleum, U.S.P.	29071100
Phenol salts, all other	29071100
Phenols, ethoxylated, all other	34021310
Phenol, styrenated, mixtures	38123040
Phenol-sulfonated formaldehyde rosin	29309028
1-Phenol-2-sulfonic acid, formaldehyde condensate (Phenol-formaldehyde, sulfonated)	38099910
Phenolsulfonic acid, sodium salt	29082060
Phenol, synthetic, all other	29071100
Phenol, synthetic, by caustic fusion, all other	29071100
Phenol, synthetic, from cumene by oxidation, U.S.P.	29071100
Phenothiazine derivatives, all other	29343030
Phenoxyacetic acid, sodium salt	29189045
Phenoxybenzamine hydrochloride	29225016
Phenoxyethyl acrylate	29161210
2-Phenoxyethyl isobutyrate	29189035
3-(Phenoxyphenyl) methyl-cis, trans-3-(2,2 dichloroethenyI)-2,2-dimethyl cyclopropanecarboxylate	29162000
Phenoxy (R) resin (other than for coating and adhesives)	39072000
m-Phenoxytoluene	29095000
Phensuximide	29339090
Phentermine	29214940
Phenylacetaldehyde	29122910
Phenylacetaldehyde, dimethyl a ceta I	29110000
Phenyl alanine	29224910
4-(Phenylazo)diphenylamine	29270050
2-Phenyl benzimide	29251920
3-Phenyl-butanol	29051400
Phenyldiisodecyl phosphite	29190010
m-Phenylenebismaleimide	29251920
m-Phenylenebismaleimide	29251920
m-Phenylenediamine	29215110
o-Phe nylene d i amine	29215110
p-Phenylenedia mine	29215110

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<i>Chemical Name</i>	<i>NTS / No.</i>
p-Phenylenediamines, substituted, other	29215130
Phenylephrine bitartrate	29225025
Phenylephrine hydrochloride	29225013
Phenyl ether (Diphenyl oxide)	29093050
Phenylethyl benzoate	29163150
Phenylethyl 2-methyl butyrate	29156010
N-Phenylglycine	29224935
Phenylglycine, sodium salt	29224935
Phenylglycol esters	29214550
Phenylhexanol	29062920
2,2'-(Phenyhiminoldiethanol (N-Phenyldiethanolamine)	29252020
Phenyl-5-mercaptotetrazole	29339025
o-Phenylphenol	29071950
p-Phenylphenol, ethoxylated and propoxylated	29095050
o-Phenylphenol, sodium salt	29071950
Phenylphosphonothioic dichloride	29310040
Phenylpropanolamine bitartrate	29225025
Phenylpropanolamine hydrochloride	29225025
3-Phenylpropyl acetate	29153920
4-Phenylpropylpyridine	29333920
Phenylstyrene, ethoxylated	29095050
5-Phenyltetrazole	29339039
Phenyltoloxamine citrate	29225025
Phenyltriethoxysilane	29310040
N-Phenylurea	29242145
Phenytoin	29332100
Phenytoin, sodium	29332100
Phosgene (Carbonyl chloride)	29130050
Phosphated and polyphosphated alcohols, all other	34021150
Phosphate esters [triesters], mixed	34021350
Phosphite antioxidants and stabilizers, cyclic, other	29209050
Phosphonate ester, cyclic	29310050
Phosphonic acid, [1,2-ethanediyIbisnitrilobisImethyleneffltetrakis-, ammonium salt	29190050
Phosphonic acid, (1-hydroxy ethylidene)bis compounded with 2-aminomethanol	29310050
Phosphonic acid, [nitrilotrisImethylenen-tris, sodium salt	29190050
2-Phosphonobutane-1,2,4-tricarboxylic acid, sodium salt	29310050
N-(Phosphonomethyl)glycine, isopropylamine salt	29310050
Phosphoric and polyphosphoric acid esters, all other	34021150
Phosphorodithioates used as lubricating oil and grease additives, all other	29201050
Phosphorus acid esters, all other	29190050
Photographic chemicals, all other	29349020
Phthalic acid, lead salt, (Dibasic)	29173950
Phthalic acid, potassium hydrogen salt	29173930
Phthalic anhydride	29173500
Phthalic anhydride esters, all other	29173400
Phthalic anhydride type alkyd resins	39075000
Phthalimide	29251910
1Phthalocyaninato(2-11copper	32041720
Phthalocyaninetetrasulfonyl chloride, copper derivative	32041750
Phthaloyl chloride (Phthalyl chloride)	29173950
Picoline (3,4-mixture)	29333910
2-Picoline (a-Picoline)	29333910
3-Picoline (fl-Picoline)	29333910
4-Picoline (y-Picoline)	29333910
Picolinonitrile (2-Cyanopyridine)	29333950

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<i>Chemical Name</i>	<i>NTS No.</i>
3-Picolylamine	29333950
Picric acid (Trinitrophenol)	29089008
Pigmeht Black 7	32041750
Pigment black toners, all other	32041750
Pigment Blue 19	32041730
Pigment Blue 25	32041730
Pigment Blue 61	32041730
Pigment Blue 62	32041730
Pigment Blue 15, (a form)	32041730
Pigment Blue 15:1, (a form)	32041730
Pigment Blue 15:2, (a form)	32041730
Pigment Blue 15:3, (13 form)	32041730
Pigment Blue 15:4, (ft form)	32041730
Pigment Blue 1, (PMA)	32041730
Pigment Blue 2, (PMA)	32041730
Pigment Blue 14, (MA)	32041730
Pigment blue toners, all other	32041750
Pigment Green 7	32041750
Pigment Green 36	32041750
Pigment Green 1, (PMA)	32041730
Pigment Green 2, (PMA)	32041730
Pigment Green 4, (PMA)	32041730
Pigment Green 2, (PTA)	32041730
Pigment green toners, all other	32041750
Pigment Orange 1	32041730
Pigment Orange 2	32041730
Pigment Orange 5	32041730
Pigment Orange 13	32041730
Pigment Orange 15	32041730
Pigment Orange 16	32041730
Pigment Orange 34	32041710
Pigment Orange 38	32041750
Pigment Orange 46	32041730
Pigment Orange 48	32041730
Pigment Orange 49	32041730
Pigment orange toners, all other	32041750
Pigment Red 2	32041730
Pigment Red 3	32041730
Pigment Red 4	32041730
Pigment Red 5	32041730
Pigment Red 17	32041730
Pigment Red 22	32041730
Pigment Red 23	32041730
Pigment Red 31	32041730
Pigment Red 38	32041730
Pigment Red 57	32041730
Pigment Red 63	32041730
Pigment Red 112	32041710
Pigment Red 122	32041730
Pigment Red 123	32041730
Pigment Red 146	32041710
Pigment Red 147	32041730
Pigment Red 169	32041710
Pigment Red 170	32041710
Pigment Red 177	32041750

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<i>Chemical Name</i>	<i>NTS / No.</i>
Pigment Red 179	32041730
Pigment Red 188	32041710
Pigment Red 190	32041730
Pigment Red 194	32041750
Pigment Red 200	32041730
Pigment Red 202	32041730
Pigment Red 206	32041730
Pigment Red 207	32041730
Pigment Red 209	32041730
Pigment Red 210	32041730
Pigment Red 224	32041730
Pigment Red 245	32041750
Pigment Red 48:1, (barium)	32041730
Pigment Red 49:1, (barium)	32041730
Pigment Red 53:1, (barium)	32041730
Pigment Red 63:1, calcium	32041750
Pigment Red 48:2, (calcium)	32041730
Pigment Red 49:2, (calcium)	32041730
Pigment Red 52:1, (calcium)	32041730
Pigment Red 54, (calcium)	32041730
Pigment Red 57:1, (calcium)	32041730
Pigment Red 1, (light)	32041730
Pigment Red 48:4, (manganese)	32041730
Pigment Red 52:2, (manganese)	32041730
Pigment Red 81, (PMA)	32041730
Pigment Red 81, (PTA)	32041730
Pigment Red 48:3, (strontium)	32041710
Pigment red toners, all other	32041750
Pigment Violet 19	32041730
Pigment Violet 23	32041730
Pigment Violet 29	32041750
Pigment Violet 1, (fugitive)	32041730
Pigment Violet 3, (fugitive)	32041730
Pigment Violet 1, (PMA)	32041730
Pigment Violet 3, (PMA)	32041730
Pigment Violet 1, (PTA)	32041730
Pigment Violet 3, (PTA)	32041730
Pigment violet toners, all other	32041750
Pigment Yellow 1	32041730
Pigment Yellow 3	32041730
Pigment Yellow 5	32041730
Pigment Yellow 12	32041730
Pigment Yellow 13	32041730
Pigment Yellow 14	32041730
Pigment Yellow 17	32041730
Pigment Yellow 60	32041730
Pigment Yellow 62	32041750
Pigment Yellow 65	32041730
Pigment Yellow 73	32041730
Pigment Yellow 74	32041730
Pigment Yellow 75	32041730
Pigment Yellow 83	32041730
Pigment Yellow 97	32041710
Pigment Yellow 119	32041750
Pigment Yellow 139	32041730

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Pigment Yellow 152	32041750
Pigment Yellow 176	32041750
Pigment yellow toners, all other	32041750
Pinane	29021900
Pinane hydroperoxide	29096050
2-Pinanol (cis and trans)	29061400
a-Pinene	29021900
P-Pinene	29021900
a-Pinene oxide	29096050
a-Pinene oxide	29109050
Pinene, sulfate	29041050
Pinene, wood	29021900
Pine oil, natural, sulfate	38059000
Pine oil, synthetic	38239050
Pipecolic acid	29333950
Piperacillin	29411050
Piperazine	29335936
Piperazine dihydrochloride	29335936
Piperazine hexahydrate	29335936
Piperazine hydrochloride	29335936
Piperazine sulfate	29335936
Piperidine	29333950
Piperidinium pentamethylene dithiocarbamate	29302020
Piperylene (1,3-Pentadiene)	29012910
Piroxicam	29349025
Pitch of tar: hard (M.P. 161° F and Over)	27081000
Pitch of tar: medium (M.P. 110° To 160° F)	27081000
Pitch of tar: soft (M.P. 80° To 109° F.)	27081000
Pivaloyl chloride	29156050
2-Pivaloyl-1,3-indandione (Pindone)	29329020
Plant growth regulators, acyclic, all other	29310050
Plinol	29061900
Polyacrylamide	39069050
Polyacrylamide copolymers, all other	39069050
Polyacrylate methacrylate copolymers	39069050
Polyacrylate poly(hydroxypropylacrylate) copolymer	39069050
Polyacrylic acid	39069050
Poly(acrylic acid, ethyl ester)	39069050
Polyacrylic acid salts, all other	39069050
Polyacrylic (ACM) type elastomers	40029100
Polyacrylonitrile and acrylonitrile copolymers	39069050
Polyacrylonitrile, hydrolyzed	39069050
Polyacrylonitrile, starch hydrolized polymer	39069050
Polyalicyclic polyamines and salts and quats	34021250
Polyalkylene polyamine, ethoxylated	34021250
Polyalphaolefins	29012950
Polyamine polymethane phosphonic acid	39093000
Polyamines	38239050
Polyamine/tall oil imidazoline	34021250
Polybasic acid type alkyd resins	39075000
Polybutadiene acrylic acid acrylonitrile terpolymer (PBAN)	40029100
Polybutadiene, emulsion-polymerized	40022000
Polybutadiene resins	39029000
Polybutadiene, solution-polymerized	40022000
Polybutylene terephthalate(PBT)	39079900

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<i>Chemical Name</i>	<i>NTS / No.</i>
Polybutylene type resins	39029000
Polycarbonate resins	39074000
Polycarboxylic acid, alkylate	34021320
Polycarboxylic acid, alkylphenoxyalkoxylate	34021310
Polychloroprene (Neoprene) (CR) type	40024100
Polydextrose	13023900
Poly(diallyldimethylammonium chloride)	39079110
Poly(dibromophenylene oxide)	39072000
Poly(epichlorhydrin)	34021350
Polyester polyols for urethanes	29053950
Polyester resins, saturated, all other	39079900
Polyester resins, unsaturated	39079150
Polyether polyols based on propylene oxide, all other	29094950
Polyether polyols for urethanes	29053950
Polyethoxylated tallow amide	29241050
Polyethoxylate/polypropoxylate dibenzyl ether	29093050
Polyethoxy methylstearyl ammonium chloride	34021250
Polyethylbenzene (80 percent diethylbenzene)	29029030
Polyethylene glycol	29094950
Polyethylene glycol dibenzoate	29163130
Polyethylene glycol diester of coconut oil acids	34021320
Polyethylene glycol diester of mixed liner acid/oleic acid	34021320
Polyethylene glycol diester of tall oil acids	34021320
Polyethylene glycol dilaurate	34021320
Polyethylene glycol dimethyl ether	29091950
Polyethylene glycol dioleate	34021320
Polyethylene glycol distearate	34021320
Polyethylene glycol ester of mixed fatty acids	34021320
Polyethylene glycol esters of chemically defined acids, all other	34021350
Polyethylene glycol esters of mixed acids, all other	34021350
Polyethylene glycol (mixed ester) of tall oil acids	34021320
Polyethylene glycol monoester of capric and caprylic acids	34021320
Polyethylene glycol monoester of coconut oil acids	34021320
Polyethylene glycol monoester of coconut oil acids, ethoxylated	34021320
Polyethylene glycol monoester of tall oil acids	34021320
Polyethylene glycol monolaurate	34021320
Polyethylene glycol mono-oleate	34021320
Polyethylene glycol mono-oleate, ethoxylated	34021320
Polyethylene glycol monopalmitate	34021320
Polyethylene glycol monopelargonate	34021350
Polyethylene glycol monostearate	34021350
Polyethylene glycol monotallate	34021320
Polyethylene glycol/polyethylene glycol bisphenol A polymer with terephthalic acid	34021350
Polyethylene glycol, propoxylated	34021320
Polyethylene glycol sesquiester of coconut oil acids	34021320
Polyethylene glycol sesquiester of tall oil acids	34021320
Polyethylene glycol sesquiester of tallow acids	34021320
Polyethylene glycol terephthalate	34021320
Polyethylene imine, dimethyl sulfate	34021250
Polyethylene terephthalate for fiber	39076000
Polyethylene terephthalate (PET)	39076000
Polyglycerol	29091950
Polyglycerol distearate	34021320
Polyglycerol esters, all other	34021350
Polyglycerol mono-oleate	34021320

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Chemical Name	HTST No.
Polyglycerol monostearate	34021320
Polyglycerol tetraoleate	34021320
Polyglycols, ethylene glycol and glycol ether, mixed	38140050
Polyglycols-toluene diisocyanate reaction product	29299020
Polyhexafluoropropylene oxide	39072000
Polyhydric alcohol esters, all other	29159050
Polyhydric alcohol ethers, all other	29094950
Polyhydric alcohol, ethoxylated and phosphated	34021150
Polyhydric alcohols, all other	29054950
Polyimides and amide-imide polymers	39119020
Polyisocyanate	39093000
Polyisocyanate	39093000
Polyisoprene (IR) type	40026000
Polymers for fibers, all other	39081000
Polymers, water soluble, all other	39069050
Polymethacrylic acid esters	29161400
Polymethacrylic acid, sodium salt	39069050
Polymethylene polyphenylisocyanate	29291060
Poly(1,1'-(methylimino)bis(3-chloro-2-propanol)tetramethylethylenediamine	39093000
Polymethyl methacrylate (PMMA)	39061000
Polymethylvinyl ether monoethylmaleate	39072000
Poly(mixed ethylene, propylene)glycol	34021320
Polymyxin B	29419010
Poly-a-olefins	34031900
Poly-a-olefins, sulfurized	34031900
Polyoxyalkene silicones	39100000
Polyoxyalkylated cyclic amines	38099950
Polyoxyalkylene glycol	29094950
Poly(oxyalkylene glycol)--polymer with polymethylene-polyphenylene isocyanate; urethane prepolymer	29054950
Poly(oxy-1,2-ethanediyl),w-(2-carboxy)-methyl-w-tridecyloxy, potassium salt	34021150
Poly(oxy-1,2-ethanediyl)alpha-l-carboxymethyl-omega-hydroxy-C12-15 alkyl ethers), sodium salt	34021320
Poly(oxy-1,2-ethanediyl), w-12-carboxyethoxy)-w'-hydroxy-a, a'-(iminodi-2, 1-ethanediyl) bis-,N-tallow alkyl derivs., potassium salt	34021150
Poly(oxy-1,2-ethanediyl)-a-carboxymethyl, ca-ltridecyloxy), potasssium salt	29335945
Poly(oxy-1,2-ethanediyl)kli-(2-hydroxyethyl)-5,5-dimethylhydantoin dioleate	29242950
Poly(oxyethanediyl), oxotetradecyl hydroxyalkyl ethers	39119050
Poly(oxy-1,2-ethanediyl), -phenylmethyl-	34021350
Poly(oxy-1,2-ethanediyl), x-hydro-w-hydroxy-	29189050
Polyloxyethanyl, 2-diy1)-di-1212-bis(2-aminoethyl)methylamiumethyl-	34021250
Polytoxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride)	38239045
Polyloxy(methyl-1,2-ethanediyl)], a-hydro-	34021320
Polyoxyprbpylene polyoxyethylene glycol, mixed	29094950
Polyphenolic phosphites, polyalkylated	29209020
Poly-m-phenylene isophthalamide	39089000
Polyphenylene oxide type resins	39072000
Polyphenylene sulfide resins	39119020
Poly-p-phenylene terephthal am ide	39089000
Polypropoxydiethylmethyl acetate	29153945
Polypropoxy diethylmethyl ammonium chloride	34021250
Polypropylene glycol	29094950
Polypropylene glycol, alkoxyated, polymer with maleic anhydride, acrylic acid, and alkylphenol-formaldehyde resin, alkoxyated	34021910
Polypropylene glycol butyl ether, ethoxylated (Polypropoxy butyl ether, ethoxylated)	29094950
Polypropylene glycol butyl ether (Polypropoxy butyl ether)	29094950
Polypropylene glycol, ethoxylated	34021320

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Chemical Name	HTS No.
Polypropylene glycol, ethoxylated	34021320
Polypropylene glycol glycerol triether, copolymer with epichlorhydrin bisphenol epoxy resin	34021910
Polypropylene glycol glycerol triether (Polypropoxyglyceryl triether)	29094920
Polypropylene glycol, monolaurate	34021320
Polypropylene glycol, phosphated	34021150
Polypropylene resins	39021000
Polysulfide (T) type elastomers	40029100
Polyterpene resins	39119020
Polytetrafluoroethylene (PTFE)	39046100
Polytetramethylene glycol ether	29094950
Polyurethane elastomers	39095010
Polyurethane resins	39095050
Polyvinyl acetate resins	39051900
Polyvinyl alcohol resins	39052000
Polyvinyl butyral resins	39059010
Polyvinyl chloride copolymer resins, all other	39044000
Polyvinyl chloride homopolymer resins	39042100
Polyvinyl-0-sulfobenzal)	39059050
Potassium acetate	29152900
Potassium amylxanthate	29301000
Potassium benzoate	29163110
Potassium citrate	29181550
Potassium 2-ethylhexanoate	29159050
Potassium lactate	29181150
Potassium 2-methyl-2-propanol	29310050
Potassium oxalate	29171100
Potassium salicylate	29182110
Potassium and sodium salts of fatty, rosin, and tall oil acids, all other	34021150
Potassium stearate	29157000
Potassium warfarin	29322920
Povidone - iodine	29420050
Pramoxine hydrochloride	29349025
Prazepam	29339065
Prazosin	29335955
Prednisolone	29372100
Prednisolone acetate	29372100
Prednisone	29372100
Primary monoamines, all other	34021250
Priming and refractory oil	27079950
Probenecid	29224925
Probucol	29309028
Procainamide hydrochloride	29242939
Procarbazine hydrochloride	29241010
Prochlorperazine edisylate	29343030
Prochlorperazine maleate	29343004
All other products from petroleum and natural gas, cyclic	29029050
Progesterone	29379200
1-Propanamine, 3-(C ₁₂ -O ₁₅ alkoxy derivatives)	34021250
1-Propanaminium, N-Icarboxymethyl-N,N-dimethyl-3-(11-oxohexadecyl)amino]-hydroxide, inner salt	29299050
1-Propanaminium, N-ethyl-N, N-dimethyl-3-(11-oxooctadecyl)amino I-, ethyl sulfate	29299050
1,3-Propanediamine, n-9-octadeceny1,2-diacetate	29239000
1,3-Propanediol, 2-amino-2-(hydroxymethyl)-, polymer with oxirane and methyloxirane	34021320
1,2-Propanediol dioctanoate/decanoate	34021320
Propanediol esters, all other	34021350
1,2-Propanediol monolaurate	29159050

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<i>Chemical Name</i>	<i>HTS No.</i>
1,2-Propanediol mono-oleate	29161550
1,2-Propanediol monostearate	29157000
3-Propanolpyridine	29333950
2-Propene-1-amine, N-methyl-N-2-propenyl	29211950
p-Propenylanisole (Anethole)	29095040
Propionaldehyde	29121950
Propionic acid	29155010
Propionic anhydride	29159050
Propionitrile	29269050
Propoxyethanol (Ethylene glycol monopropyl ether)	29094400
Propoxylated starches	38099100
Propoxyphene hydrochloride	29221912
Propoxyphene napsylate	29221912
Propranolol hydrochloride	29221915
Propyl acetate	29153945
Propyl alcohol (Propanol)	29051200
n-Propylamidethanol	29241050
Propylamine, mono-	29211910
p-Propylanisole (Dihydroanethole)	29095040
S-Propyl butylethylthiocarbamate (Pebulate)	29302050
S-Propyl dipropylthiocarbamate (Vernolate)	29302050
Propylene	29012200
Propylene carbonate	29209050
Propylene copolymers	39023000
Propylene glycol, alkoxyated	29091950
Propylene glycol t-butyl ether	29094950
Propylene glycol dibenzoate	29163150
Propylene glycol dicaprylatecaprate	29159050
Propylene glycol esters of hydrogenated palm oil	34021320
Propylene glycol ethers (and propylene glycols), all other	29094950
Propylene glycol monobutyl ether	29094950
Propylene glycol monomethyl ether (1-Methoxy-2-propanol)	29094950
Propylene glycol monoricinoleate	29161950
Propylene glycol (1,2-Propanediol)	29053200
Propylene glycol sebacate	29171950
Propylene oxide	29102000
Propylene oxide polymer	29091950
Propylene oxide polymer	29091950
Propyl gallate	29163970
n-Propyl mercaptan (1-Propanethiol)	29309050
Propyl oleate, sulfated, sodium salt	29209050
2-Propyn-1-ol (Propargyl alcohol)	29052900
Protease (bacterial)	35079000
Proteases, all other	35079000
Protein hydrosylates	29224950
Protriptyline hydrochloride	29214935
Pseudoephedrine hydrochloride	29394010
Pseudoephedrine sulfate	29394010
Pseudoionone	29141900
Pseudo linalyl acetate (Neobergamate)	33029010
P-Toluene sulfate, zinc salt	29041032
p-(p-Toluenesulfonamido)diphenylamine	29350090
Pyridine hydrochloride	29333100
3-Pyridinemethanol	29333950
2 ^o Pyridine, refined	29333100

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<i>Chemical Name</i>	<i>HTS No.</i>
Pyridine, refined all other grades	29333100
2 Pyridinethiol-1-oxide, sodium salt	29333950
2 Pyridinethiol-1-oxide, zinc salt	29333950
Pyridostigmine bromide	29333937
Pyrilamine tannate	29333937
Pyromellitic acid	29173930
Pyromellitic dianhydride	29173950
2,5-Pyrrolidinedione, 1-12-hydroxy-1,1-bis(hydroxymethyl)ethyl-, monopolybutenyl derivatives	39119050
2-Pyrrolidinone (2-Pyrrolidone)	29337920
4-N-(1-Pyrrolidyl)-m-toluenediazonium chloride	29215120
Quaternary ammonium compounds (except tropane derivatives), all other	29239000
Quaternary ammonium salts having amide linkages, all other	34021250
Quaternary ammonium salts, not containing oxygen, acyclic, all other	34021250
Quaternary ammonium salts not containing oxygen, cyclic, all other	34021250
Quinaldine	29334070
Quinolinium, 1-(phenylmethyl) chloride	29239000
Quinone dioxime	29147020
Rapeseed acids, diethanolamine condensate (Ratio = 1/1)	34021350
Rare earths 2-ethylhexanoate	29159050
Rare earths naphthenate	38232000
Rare earths neodecanoate	29159050
Reactive Black 5	32041630
Reactive black dyes, all other	32041650
Reactive Blue 3	32041630
Reactive Blue 7	32041620
Reactive Blue 19	32041620
Reactive Blue 21	32041620
Reactive Blue 38	32041620
Reactive Blue 41	32041620
Reactive Blue 71	32041630
Reactive Blue 214	32041650
Reactive blue dyes, all other	32041650
Reactive Brown 1	32041630
Reactive Brown 17	32041630
Reactive Green 19	32041620
Reactive Orange 1	32041610
Reactive Orange 4	32041630
Reactive Orange 12	32041630
Reactive Orange 16	32041630
Reactive Orange 20	32041620
Reactive orange 72	32041620
Reactive Orange 84	32041620
Reactive Orange 86	32041650
Reactive orange dyes, all other	32041650
Reactive Red 2	32041610
Reactive Red 11	32041630
Reactive Red 31	32041630
Reactive Red 43	32041630
Reactive Red 49	32041620
Reactive Red 58	32041630
Reactive Red 94	32041630
Reactive Red 120	32041650
Reactive Red 180	32041650
Reactive red 243	32041630
Reactive red dyes, all other	32041650

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Chemical Name	HTS No.
Reactive violet dyes, all other	32041650
Reactive Yellow 15	32041620
Reactive Yellow 18	32041630
Reactive Yellow 37	32041620
Reactive Yellow 42	32041620
Reactive Yellow 86	32041630
Reactive Yellow 135	32041620
Reactive Yellow 160	32041630
Reactive Yellow 165	32041650
Reactive yellow dyes, all other	32041650
Rennin	35071000
Resorcinol	29072100
Resorcinol monobenzoate	29163150
Resorcinol, tech,	29072100
\$-Resorcylic acid	29182980
Rhodinol	29052250
Riboflavin (animal feed grade)	29362300
Riboflavin (medicinal grade)	29362300
Riboflavin-5-phosphate, sodium	29362300
Ricinoleic acid, magnesium salt	29181990
Rodenticides, cyclic, all other	29329020
Rosin acid salts, all other	38062000
Rosin acids, potassium salt	34021150
Rosin acids, sodium salt	34021150
Rosin acids, triethanolamine salt	34021150
Rosin amine, ethoxylated	34021250
Rosin amines	38069000
Rosin esters, unmodified (Ester gums)	38063000
Rosin/fatty acid mixtures	29162000
Rosin/fatty acid/pitch mixtures	29162000
Rosinpolyamidoimidazoline	34021210
Roxarsone	29310022
Roxarsone, sodium	29310022
Rubber modified polystyrene	39031900
Rubber-processing chemicals, cyclic, all other	38123040
Rust preventing additives	38119000
Saccharin (1,2-Benzisothiazolin-3-one,-1,1-dioxide)	29251100
Saccharin, sodium salt	29251100
Salicylic acid	29182110
Salicylic acid, phenyl ester	29182330
Salicylic acid, tech.	29182150
Salsalate	29189030
Salts of organic acids, all other	29189050
Salts of organic acids, all other	29189050
Salts of organic acids, all other	29189050
Sarcosine	29224950
Sebacic acid	29171300
2-(sec-Butylamino)-4-ethylamino-6-methoxy-s-triazine	29336900
Secobarbital, sodium	29335160
Secondary and tertiary monoamines, all other	34021250
Semicarbazide hydrochloride	29280050
Semioxamazide	29280050
Semisynthetic penicillins, all other	29411050
Sertraline	29214530
Silicone fluids	39100000

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Silicone greases	39100000
Silicone (Q) type elastomers	40029100
Silicone resins	39100000
Simvastatin	29329041
Sisomycin	29419010
Sitosterols	29399050
Sodium acetate	29152200
Sodium ammonium polyacrylate and copolymers	39069050
Sodium ascorbate	29362700
Sodium benzoate	29163110
Sodium t-butoxide	29051900
Sodium caprylate	29159050
1-(Sodium carboxyethylene)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(tall oil fatty acids)-2-imidazolium hydroxide	34021150
Sodium carboxymethyl amylose	35051000
Sodium carboxymethylcellulose (100%)	39123100
1-(Sodium carboxymethyl)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(coconut oil fatty acids)-2-imidazolium lauryl sulfate	34021150
Sodium citrate	29181510
Sodium cresoxide (Cresylic acid, sodium salt)	29071200
Sodium diacetate	29152900
Sodium di-sec-butyl/diethyl phosphorodithioate	29201050
Sodium di-sec-butyl phosphorodithioate	29201050
Sodium diethyl phosphorodithioate	29201050
Sodium dihydro-bis(2-methoxyethoxy)aluminum	29209050
Sodium diisobutyl phosphorodithioate	29201050
Sodium diisopropyl phosphorodithioate	29201050
Sodium 2-ethylhexanoate	29159050
Sodium ferric ethylenediaminedihydroxyphenylacetate	29222950
Sodium fluoroacetate	29154050
Sodium formate, technical	29151200
Sodium gluconate	29181650
Sodium heparin	30019000
Sodium lactate (Nalac)	29181150
Sodium mercaptoacetate	29309050
Sodium methoxide (Sodium methylate)	29051900
Sodium nitroprusside	28372050
Sodium oxalate	29171100
Sodium polyacrylate	39069050
Sodium polyacrylate, grafted	39069050
Sodium propionate	29155050
Sodium salicylate	29182110
Sodium stearate	29157000
Sodium p-sulfophenylmethallyl ether	29309050
Sodium tetradecyl sulfate	34021150
Sodium trichlorobenzenesulfate	29041037
Solubilized Sulfur Black 1	32041919
Solubilized Sulfur Black 2	32041919
Solubilized Sulfur Green 11	32041950
Solvent Black 7	32041915
Solvent Black 13	32041915
Solvent Black 26	32041915
Solvent Black 46	32041940
Solvent Black 47	32041950
Solvent Black 49	32041940
Solvent black dyes, all other	32041950

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Solvent Blue 3	32041915
Solvent Blue 5	32041915
Solvent Blue 23	32041915
Solvent Blue 35	32041915
Solvent Blue 36	32041915
Solvent Blue 38	32041915
Solvent Blue 59	32041915
Solvent Blue 98	32041915
Solvent Blue 99	32041915
Solvent Blue 100	32041915
Solvent Blue 101	32041915
Solvent Blue 102	32041940
Solvent Blue 128	32041940
Solvent Blue 129	32041940
Solvent Brown 12	32041915
Solvent Brown 20	32041915
Solvent Brown 22	32041915
Solvent Brown 38	32041915
Solvent Brown 52	32041940
Solvent Green 3	32041915
Solvent Orange 3	32041915
Solvent Orange 7	32041915
Solvent Orange 20	32041915
Solvent Orange 23	32041915
Solvent Orange 60	32041915
Solvent Orange 77	32041940
Solvent Orange 97	32041940
Solvent orange dyes, all other	32041911
Solvent Red 1	32041915
Solvent Red 23	32041911
Solvent Red 24	32041915
Solvent Red 26	32041915
Solvent Red 27	32041911
Solvent Red 49	32041915
Solvent Red 68	32041915
Solvent Red 80	32041915
Solvent Red 111	32041915
Solvent Red 135	32041915
Solvent Red 164	32041915
Solvent Red 166	32041915
Solvent Red 168	32041915
Solvent Red 169	32041940
Solvent Red 172	32041940
Solvent Red 175	32041940
solvent red 179	32041940
Solvent Red 207	32041940
Solvent Red 208	32041940
Solvent Violet 8	32041915
Solvent Violet 9	32041915
Solvent violet 11	32041915
Solvent Violet 13	32041915
Solvent Violet 14	32041915
Solvent Violet 38	32041940
Solvent Yellow 3	32041915
Solvent Yellow 13	32041915

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<i>Chemical Name</i>	<i>HTS No.</i>
Solvent Yellow 14	32041915
Solvent Yellow 16	32041915
Solvent Yellow 18	32041915
Solvent Yellow 33	32041915
Solvent Yellow 40	32041915
Solvent Yellow 42	32041915
Solvent Yellow 56	32041915
Solvent Yellow 72	32041915
Solvent Yellow 93	32041940
Solvent Yellow 94	32041940
Solvent Yellow 96	32041919
Solvent Yellow 107	32041915
Solvent Yellow 135	32041940
Solvent Yellow 143	32041940
Solvent Yellow 160	32041911
Solvent Yellow 161	32041940
Solvent Yellow 163	32041940
Solvent yellow dyes, all other	32041950
Sorbitan monoisostearate	34021320
Sorbitol, alkoxyated	29091950
Sorbitol, crystalline	29054400
Sorbitol, ethoxylated	29094950
Sorbitol glycidyl ether	29109050
Sorbitol monostearate	29157000
Sorbitol (70% by Weight)	29054400
Soya nitrile	29269050
Soybean oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Soybean oil acids, diethanolamine condensate (Ratio =2/1)	34021350
(Soybean oil alkyl)amine	34021250
(Soybean oil alkyl)amine, ethoxylated	34021250
N-(Soybean oil alkyl)trimethylenediamine	34021250
Soybean oil, hydrogenated	15162090
Soybean oil, sulfated, sodium salt	34021150
Specific gravity 0.940 and below	39011000
Specific gravity 0.940 and below, linear	39011000
Specific gravity over 0.940	39012000
All other (specify)	29251950
Spectinomycin (medicinal grade)	29412000
Spirolactone	29322920
Stannous dioctyl phthalate	29310050
Stanozolol	29379980
Starch, hydrolyzed and hydrogenated	29054950
Stearamide (Octadecane amide)	29241010
Stearamidoethyl-2-heptadecyl im id azoline	29251950
Stearamidopropyldimethylcetylammonium tosylate and propylene glycol	34021250
Stearic acid aminoethanolamine (amine acid ratio = 1.0/1.65)	34021350
Stearic acid-N-aminoethyl ethanolamine condensate	34021350
Stearic acid, ammonium salt	29157000
Stearic acid, diethanolamine condensate, methyl sulfate	34021250
Stearic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Stearic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Stearic acid-diethylenetriamine condensate	34021250
Stearic acid-diethylenetriamine condensate, ethyl sulfate	34021250
Stearic acid esters, all other	29157000
Stearic acid, ethanolamine condensate (Ratio = 1/1)	34021350

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Chemical Name	NTS No.
Stearic acid - ethylenediamine condensate	34021250
Stearic acid-ethylenediamine condensate, monoethoxylated	34021250
Stearic acid mixed amine condensate	34021250
Stearic acid monoethanolamine condensate	34021350
Stearic acid (Octadecanoic acid)	29157000
Stearic acid, potassium salt	29157000
Stearic acid salts, all other	29157000
Stearic acid, sodium salt	29157000
Stearic acid-tetraethylenepentamine condensate	34021250
Stearic acid,N,N,N',N'-tetrakis(2-hydroxyethyl)-ethylenediamine salt	29212100
Stearic acid, triethanolamine salt	29221300
N-Stearoyl-p-aminophenol	29222950
Stearoyl iso-lactylate	34021150
Stearoyl iso-lactylate, sodium salt	34021150
Stearoyl-2 lactylate, calcium salt	34021150
Stearoyl lactylate, mixed sodium and calcium salt	34021150
Stearoyl lactylate, sodium salt	34021150
Stearyl acid phosphate	29190050
Stearyl alcohol, propoxylated	29094950
3-Stearylamidopropyl dimethylammonium lactate	29299050
Stearylamidopropyl dimethyl myristyl acetate ammonium chloride	29239000
Stearylceramide	29241010
Stearyl methacrylate	29161400
Stearyl pyridium chloride	29239000
Stearyl stearamide	29241050
Stearyl stearate	29157000
Steric acid dimethylaminopropylamine	29212900
Straight polystyrene	39031900
Streptomycin	29412000
Streptozocin	29412000
Styrenated-alkyds, or copolymer alkyds	39075000
Styrene-acrylate copolymers or terpolymers	39039050
Styrene-acrylic copolymer	39069020
Styrene-acrylonitrile copolymer resins (SAN)	39032000
Styrene-allyl alcohol copolymer resins	39039050
Styrene block copolymers	39039050
Styrene-butadiene, dry type	40021900
Styrene-butadiene latexes	39039050
Styrene-butadiene, latex type	40021100
Styrene-butadiene type elastomers, other	40029100
Styrene-butadiene-vinylpyridine	40029100
Styrene copolymers, all other	39039050
Styrene-divinylbenzene copolymer resins	39140000
Styrene latexes, all other	39039050
Styrene-maleic anhydride copolymer resins	39039050
Styrene-methyl methacrylate copolymer resins	39039050
Styrene oxide	29109020
Styrene type plastics materials,all other	39039050
Styrene (Vinylbenzene)	29025000
Succinic anhydride	29171950
All other succinic anhydride derivatives	29171950
Succinylcholine chloride	29225016
Succinyl peroxide	29096020
Sucrose acetate isobutyrate	29156050
Sucrose benzoate	29163150

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<i>Chemical Name</i>	<i>HTS No.</i>
Sucrose octa-acetate	29153947
Sulfacetamide, sodium	29350031
Sulfadiazine, silver	29350035
Sulfadimethoxine	29350039
Sulfamethoxazole	29350031
Sulfanilic acid (p-Aminobenzenesulfonic acid) and salt	29224930
Sulfasalazine	29350035
Sulfated animal fats and oils, all other	34021150
Sulfated fish and marine fat oils, all other	34021150
Sulfentanil citrate	29333937
Sulfisoxazole	29350031
Sulfisoxazole, acetyl	29350031
m-Sulfobenzoic acid, monosodium salt	29163130
5-Sulfoisophthalic acid, 1,3-dimethyl ester	29173930
5-Sulfoisophthalic acid, 1,3-dimethyl ester, sodium salt	29173950
5-Sulfoisophthalic acid, sodium salt	29173930
Sulfonic acids, all other	34021150
Sulfonic acids having amide linkages, all other	34021150
Sulfonic acids with ether linkages, all other	34021150
Sulfosalicylic acid	29182150
Sulfosuccinic acid, bis(diisobutyl)ester, amidodisodium salt	29171950
Sulfosuccinic acid, bis(2,6-dimethyl-4-heptyl)ester, sodium salt	29171950
Sulfosuccinic acid, bis(2-ethylhexyl)ester, sodium salt	29171950
Sulfosuccinic acid, cocoamide ester, diethanolamine salt .	29179050
Sulfosuccinic acid, (coconut oil alkyl)iminoisopropanol half-ester, sodium salt	34021150
Sulfosuccinic acid, dihexyl ester, sodium salt	29171950
Sulfosuccinic acid, diisobutyl ester, sodium salt	29171950
Sulfosuccinic acid, diisodecyl ester, sodium salt	29171950
Sulfosuccinic acid, diisooctyl ester, sodium salt	29171950
Sulfosuccinic acid, dioctyl ester, sodium salt	29171950
Sulfosuccinic acid, dipentyl ester, sodium salt	29171950
Sulfosuccinic acid, ditridecyl ester, sodium salt	29171950
Sulfosuccinic acid esters, all other	34021150
Sulfosuccinic acid, lauryl ester, ammonium salt	29179050
Sulfosuccinic acid, monolaurate ester, disodium salt	29171950
Sulfosuccinic acid myristyl ester disodium monoethanolamine salt	34021150
Sulfosuccinic acid, nonylpolyoxyethylene; 10 ester, disodium salt	29179050
Sulfosuccinic acid, oleamidopolyethyleneglycol, disodium salt	29171950
Sulfosuccinic acid, ricinoleamide monoethanolamine, disodium salt	29221100
Sulfur Black 1	32041911
Sulfur Black 2	32041911
Sulfur Black 1 1 , 1 1 :1	32041940
Sulfur black dyes, all other	32041950
Sulfur Blue 7	32041940
Sulfur Brown 37	32041940
Sulfur Brown 96	32041950
Sulfur compounds, all other	29310050
Sulfur green dyes, all other	32041950
Sulfuric acid esters, all other	34021150
Sulfurized lard oil	15180040
Sulfurized sperm oil substitutes	15180040
Sulfur orange dyes, all other	32041950
Sulfur Red 10	32041940
Sulfur yellow dyes, all other	32041950
Sulindac	29163970

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<i>Chemical Name</i>	<i>HTS¹ No.</i>
Synthetic fatty alcohol ester, sulfated, sodium salt	34021150
Synthetic sweetener material, all other	33021010
Tacrine	29347025
Tall Oil Acids	34021150
Tall oil acids, diethanolamine condensate	34021350
Tall oil acids, diethanolamine condensate (Ratio = 2/1)	34021350
Tall oil acids, diethanolamine salt (Condensate)	34021150
Tall oil acids-diethylenetriamine condensate	34021250
Tall oil acids-dimethylamine condensate (Amine acid ratio = 1 / 1)	34021350
Tall oil acids, ethoxylated	34021320
Tall oil acids-polyalkylenepolyamine condensate	34021250
Tall oil acids-polyalkylene polyamine condensate, salts, with dodecylbenzene sulfonic acid and/or tall oil fatty acids	34021210
Tall oil acids, potassium salt	34021150
Tall oil acids, sodium salt	34021150
Tall oil acids, sulfated, sodium salt	34021150
(Tall oil alkyl)amine	34021250
Tall oil, chemically modified	29162000
Tall oil fatty acids, compound with polyethylenepolyamine-tall oil fatty acid reaction products	34021250
Tall oil fatty acids, ethanolamine condensate (Ratio = 1/2)	34021350
Tall oil fatty acids, ethanolamine condensate (Ratio = 1.5/1)	34021350
Tall oil fatty acids, ethanolamine condensate (Ratio = 2.7/1)	34021350
Tall oil fatty acids-triethanolamine condensate	34021350
(Tall oil.fatty acids), triethanolamine salt	34021150
Tall oil imidazoline	34021210
Tall oil monohydric esters	22916200
Tall oil monomer	29162000
Tall oil: Neopentyl glycol tallate	29162000
Tall oil nitrile	29269050
Tall oil: Pentaerythritol tallate	29162000
Tall oil, refined, ethoxylated	34021320
Tall oil salts, all other (Linoleic-rosin acid salts)	29162000
Tall oil, sulfated, ammonia salt	34021150
Tall oil, sulfated, sodium salt	34021150
Tallow acids, diethanolamine condensate	34021350
Tallow acids, diethanolamine condensate (Ratio = 2/1)	34021350
Tallow acids, diethanolamine salt	34021250
Tallow acids, ethanolamine condensate (Ratio = 1.00/1.65)	34021350
Tallow acids, ethanolamine salt	34021250
Tallow acids, potassium salt	34021150
Tallow acids, sodium salt	34021150
Tallow acids, triethanolamine salt	34021150
Tallow alcohol, ethoxylated	34021320
(Tallow alkyl)amine	34021150
(Tallow alkyl)amine, ethoxylated	34021250
(Tallow alkyl)amine, quaternized, ethoxylated	34021250
Tallow alkyl amine, sulfated, ethoxylated	34021250
N-(Tallow alkyl) dipropylenetriamine	34021250
Tallow alkyl)ethoxylated, ethyl sulfate	34021250
N-(Tallow alkyl)-3-iminodipropionic acid, disodium salt	34021950
N-(Tallow alkyl)trimethylenediamine	34021250
N-(Tallow alkyl)trimethylenediamine acetate	34021250
N-(Tallow alkyl)trimethylenediamine, ethoxylated	34021250
N-(Tallow alkyl)trimethylenediamine oleate	34021250
N-Tallow alkyl)tripropylenetetraamine	34021250
Tallow amide, hydrogenated	29241010

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<i>Chemical Name</i>	<i>NTS No.</i>
Tallow amine, ethoxylated, quarternary ammonium salt	34021250
Tallow, n-3-(dimethylamino)propyl [^] (amine/acid ratio =1/3)	34021350
Tallow fatty acids-aminoethylethanolamine condensates	34021250
Tallow nitrile	29269050
Tallow nitrile, hydrogenated	29269050
Tallow, partially hydrogenated	15161000
Tallow, sulfated, sodium salt	34021150
Tannic acid, N.F.	32021010
Tanning materials, synthetic, all other	38099910
Tar bases: crude bases (Dry basis)	27060000
Tar distillates, all other	27060000
Tar for other uses: refined	27060000
Tar, road	27060000
Tepyl acetate	29153945
Terazosin	29339053
Terbutaline sulfate	29225013
Terephthalic acid	29173600
Terephthalic acid, calcium salt	29173600
Terephthalic acid, dimethyl ester	29173930
Terephthaloyl chloride	29173930
Terfena di ne	29333937
Terpene alcohols, mixed (verbanol, terpineol, plinol, etc.),	29061400
Terpene hydrocarbons, monocyclic (So'venal)	29021900
All other terpenoid, heterocyclic, or alicyclic flavor and perfume chemicals	33021020
Terphenyl (Phenylbiphenyl) (m-,o-,and p-isomers)	29029090
Terpinene-ol	29061400
a-Terpineol	29061400
a-Terpinyl acetate	29153945
a-Terpinyl propionate	29155050
2-(tert-Butylamino)-4-ethylamino-6-(methylthio)-s-triazine	29336900
Tertiary amyl per-2-ethylhexanoate	29159050
Testosterone	29379980
Testosterone cypionate	29379980
Testosterone propionate	29379980
1,2,4,5-Tetra bromo-3,6-bis (pentabromophenoxy) benzene	29093050
Tetrabromobisphenol A	29081050
Tetrabromophthalic anhydride	29173930
Tetrabromophthalic anhydride, diol	29181930
Tetrabutyl ammonium bromide	29239000
N,N,N',N'-Tetrabutylhexanediamine	29212250
Tetrabutyl titanate	29209050
Tetracaine hydrochloride	29224925
1,2,4,5-Tetrachlorobenzene	29036960
2,4,5,6-Tetrachloroisophthalonitrile	29269021
Tetrachlorophthalic anhydride	29173930
n-Tetradecane	29011050
1-Tetradecanol (Myristyl alcohol)	29051900
Tetradecyl alcohol, phosphate ester	29190050
n-Tetradecyl chloride	29031950
N-Tetradecyl-N,N-dimethylamine	29211950
1-Tetradecylpropionate	29159050
Tetraethylene glycol	29094950
Tetraethylene glycol di(2-ethylhexanoate)	29159050
Tetraethylenepentamine	29212900
Tetraethyl lead	29310050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
O,O,O',O' -Tetraethyl S,S'-methylene bisphosphorodithioate (Ethion)	29201050
Tetraethyl orthosilicate (Tetraethyl silicate)	29209050
1,2,2,2-Tetrafluoroethane (F-1 34a)	29033020
Tetrafluoroethylene (F-1114)	29033020
Tetrafluoromethane (F-14)	29033020
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione (DMTT)	29349012
Tetrahydrofuran	29321100
Tetrahydrofurfuryl alcohol	29321300
Tetrahydrolinalyl acetate	29153945
Tetrahydromyrcenol	29051900
1,2,3,4-Tetrahydronaphthalene (Tetralin)	29029090
Tetrahydrophthalic anhydride	29172000
Tetrahydrothiophene	29349050
Tetrahydrothiophene-1,1-dioxide (Sulfolane)	29349050
2,2',4,4'-Tetrahydroxybenzophenone	38099100
Tetraisopropylmethylene diphosphonate	29209050
Tetraisopropyl titanate	29209050
Tetraisopropyl titanate amyl ester	29310050
Tetrakis(2-ethylhexyl)titanate	29209050
N,N,W,N'-Tetrakis(2-Hydroxyethyl)ethylenediamine, propoxylated	34021250
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine, propoxylated and ethoxylated	29212100
1,1,3,3-Tetramethoxypropane	29110000
1,2,4,5-Tetramethylbenzene (Durene)	29029030
N,N,N',N'-Tetramethyl-1,3-butanediamine	38159050
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated	29094950
Tetramethyldisiloxane	29310050
Tetramethylethylenediamine	29212900
2,4,6,8-Tetramethylnon an-1-yl acetate	29153945
Tetramethyl, octahydro acetophenone	29143000
Tetramethyl octahydro acetyl naphthalene	29153945
Tetra/penta glycols, mixed	29094950
Textile chemicals, other than surface active agents, all other	38099100
Thebaine	29391050
Theophylline	29395000
Theophylline sodium glycinate	29395000
Thermoplastic olefin elastomers	39019010
Thermoplastic polyurethane elastomers	39095010
Thermoplastic resins, benzenoid, all other	39119020
Thermoplastic resins, nonbenzenoid, all other	39119050
Thermosetting acrylate resins	39069020
Thermosetting resins, benzenoid, all other	39119030
Thiabenzazole	29349025
1,3,4-Thiadiazole, 2,5-bis(dialkylthio) derivatives	28339050
Thiamine hydrochloride	29362200
Thiamine mononitrate	29362200
Thiazole derivatives, cyclic, other	29342040
4,4'-Thiobis(6-t-butyl-m-cresol)	29309028
2-(Thiocyanomethylthio)benzothiazole	29342035
2,2'-Thiodiethanol (Thiodiglycol)	29309050
Thiodiglycol ethoxylated	29094950
Thiodiphenol	29041032
0,0'-(Thiodi-4,1-phenylene)bis(o,o-dimethyl phosphorothioate (Temphos)	29310025
3,3'-Thiodipropionic acid	29309050
Thiodisuccinic acid	29309050
Thiopental, sodium	29335955

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Thiophane (Tetrahydrothiophene)	29309050
Thiophene	29349050
Thiostrepton	29412000
Thiothixene hydrochloride	29350045
z-l-Threoninamide mesylate	29241050
Thyroglobulin	30012000
Thyroid	30011000
Ticarcillin, disodium	29411050
Timolol maleate	29349025
Titanic acid esters, all other	29209050
Titanium acetylacetonate	29310050
Tobramyctn	29412000
N-2(C-5 to C-17)alkylamido-N-carboxyethyl,N-2-hydroxyethyl, 3-amino-2-hydroxypropyl phosphate, disodium salt	34021150
dl-a Tocopherol	29362800
d-a Tocopherol	29362800
d-a Tocopheryl acetate	29362800
dl-a Tocopheryl acetate (animal feed grade)	29362800
dl-a Tocopheryl acetate (medicinal grade)	29362800
d-a Tocopheryl acid succinate	29362800
Tolazamide	29350043
Tolbutamide	29350043
Toluene Other	29023000
Toluene-2,3-(and 3,4)-diamine 435/65 Mixture)	29215130
Toluene-3,4-diamine	29215130
Toluene-2,4-diamine 14-m-Tolylenediamine)	29215110
Toluene 2,4-and 2,6-diisocyanate (80/20 Mixture)	29291015
Toluene High purity (98-100%)	29023000
Toluenesulfonic acid	29041037
p-Toluenesulfonic acid	29041032
p-Toluenesulfonic acid, aniline salt	29041032
Toluenesulfonic acid, potassium salt	29042040
Toluenesulfonic acid, sodium salt	29042040
Toluenesulfonic acid, sodium salt	29041037
p-Toluenesulfonylhydrazide	29280020
p-Toluenesulfonyl isocyanate	29291090
p-Toluenesulfonylsemicarbazide	29280020
Toluene xylene sulfonic acid	29041037
m-Toluic acid	29163940
p-Toluic acid, methyl ester	29163940
m-Toluidine	29214320
o-Toluidine	29214320
p-Toluidine	29214320
m-Toluidine, ethoxylated	29214360
p-Tolyl acetate	29153920
p-Tolyl octanoate	29159020
Tolyltriazole	29336900
Tolyltriazole, potassium salt	29270040
TPSA/polyamine condensates	39093000
Trancylpramine sulfate	29214935
Triallylamine	29211950
Triamcinolone	29372200
Triamcinolone acetonide	29372200
Triamcinolone diacetate	29372200
Triamterene	29349025
Triaryl phosphites	29310030

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Chemical Name	HTS ¹ No.
Triazine	29299050
Tri(behenoyloxymethyl)trimethoxymethylmelamine	38099100
2,4,6-Tribromophenyl allyl ether	29093040
Tri(2-butoxyethyl) phosphate	29190050
Tributyl acetylcitrate	29181550
Tri-n-butylaluminum	29310050
Tri-n-butylamine	29211910
Tributyl citrate	29181550
Tributyl phosphate	29190050
Tributyl phosphite	29190050
S,S,S-Tributyl phosphorotrithioate	29201050
Trichloroacetonitrile	29269050
1,2,4-Trichlorobenzene	29036200
1,2,3(and 1,2,4)-Trichlorobenzene	29036200
1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor)	29036930
1,2,3-Trichloro-4,6-dinitrobenzene	29049040
1,1,1-Trichloroethane (Methyl chloroform)	29031950
1,1,2-Trichloroethane (Vinyl trichloride)	29031950
Trichloroethylene	29032200
Trichlorofluoromethane (F-11)	29034000
Trichloromelamine	29336900
Trichloromethylsilane	29310050
3-Trichloromethyl-1,2,4-thiadiazole	29349040
N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide (Captan)	29309040
Trichloronitromethane (Chloropicrin)	29031950
Trichlorophenylsilane	29049040
1,2,3-Trichloropropane	29032900
Trichloropropylsilane	29310050
3,5,6-Trichloro-2-pyridinyloxyacetic acid	29333925
a,a,a-Trichlorotoluene (Benzotrichloride)	29035915
2,4,6-Trichloro-s-triazine (Cyanuric chloride)	29336900
1,3,5-Trichloro-s-triazine-2,4,6-trione (Trichloroisocyanuric acid)	29336900
Trichlorotrifluoroethane (F-113)	29034000
Trichlorovinylsilane	29310050
Tricresyl phosphate	29190050
1-Tridecanol	29051900
Tridecyl alcohol, ethoxylated and phosphated, polyalkylene polyamine salt	29212900
Tridecyl alcohol, ethoxylated	29094950
Tridecyl alcohol, ethoxylated and carbonated, sodium salt	29159050
Tridecyl alcohol, ethoxylated and phosphated	29190050
Tridecyl alcohol ethoxylated and phosphated, potassium salt	29190050
Tridecyl alcohol, ethoxylated and sulfated, sodium salt	29209050
Tridecyl alcohol, propoxylated and ethoxylated	29094950
Tridecylbenzenesulfonic acid	29041037
Tridecylbenzenesulfonic acid, sodium salt	29041037
Tridecyloxy poly(ethyleneoxy)acetic acid, sodium salt	29153950
Tridecyloxy poly(ethyleneoxy)propionic acid, potassium salt	29189050
Tridecyloxypropionitrile	29269050
Tridecylphenol, ethoxylated	29095050
Tridecylphenol, ethoxylated and phosphated	29190030
Tridecyl phosphate	29190050
Tridecyl stearate	29157000
Tridecyl sulfate, sodium salt	29209050
Trif dimethylaminomethylphenol I	29222950
Tri(2,4-ditertiarybutylphenyl) phosphite	29190030

See footnote at end of table.

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Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Triethanolamine	29221300
Triethanolamine, ethoxylated	29221300
Triethanolamine phosphate ester	29221300
Triethanolamine, sulfuric & phosphoric acid salts	29221300
Triethanolamine titanate	29221300
Triethyl acetylcitrate	29181550
Triethylaluminum	38159050
Triethylamine	29211910
Triethylborane	29310050
Triethyl citrate	29181550
Triethylenediamine	29212900
Triethylene glycol	29094950
Triethylene glycol diicaprylate-caprate)	29159050
Triethylene glycol di(2-ethylbutyrate)	29159050
Triethylene glycol di(2-ethylhexanoate)	29159050
Triethylenetetramine	29212900
Tri(2-ethylhexyl) trimellitate	29173920
Triethyl orthoacetate	29110000
Triethyl orthoformate	29110000
Triethyl orthopropionate	29110000
Triethyl phosphate	29190050
Triethyl phosphite	29209050
Triethyl phosphonacetate	29201950
Triethyltrimethylenetriamine	29336900
Trifluoroacetic acid	29159018
Trifluoroacetic anhydride	29159050
Trifluoroacetyl chloride	29159050
a, a, a-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (Trifluralin)	29214320
a,a,a-Trifluoro-2,6-dinitro-N-ethyl-N-(2-methyl-2-propeny1)-p-toluidine (Ethylfluralin)	29214320
Trifluoroethanol	29055010
Trifluoropropene	29033020
Triglycerides, ethoxylated	34021320
Tri-n-hexyl aluminum	38159050
Tri-n-hexyltrimellitate	29173920
Trihydrogenated tallow ammonium chloride	34021250
Triisobutylaluminum	38159050
Triisobutylene polysulfide	29310050
Triisodecyl amine	29211950
Triisodecylphosphite	29209050
Triisodecyl trimellitate	29173920
Triisononyl trimellitate	29173920
Triisooctyl phosphite	29209050
Triiso-octyl trimellitate	29173920
Triisopropanolamine	29211910
Triisopropyl phosphite	29209050
Trilaurylamine	29211950
Trimellitic acid esters all other	29173920
Trimellitic anhydride, acid chloride	29173950
Trimellitic trichloride	29173950
Trimethoxyboroxine	38130050
Trimethylaluminum	29310050
Trimethyl amine	29211100
Trimethylamine hydrochloride	29211100
1,3,5-Trimethylbenzene (Mesitylene)	29029030
1,2,4-Trimethylbenzene (Pseudocumene)	29029030

See footnote at end of table.

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<i>Chemical Name</i>	<i>HTS I No.</i>
Trimethyl benzyl dioxane	29110000
Trimethyl borate	29310050
Trimethyl-cyclododeca-trienyl ethanone	29141900
Trimethyl-1-cyclohexane	29021900
Trimethyl cyclohexenyl butenone	29142950
1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-1,6-heptadien-3-one (Allyl-a-ionone)	29142300
2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine	29225050
Trimethyl gallium	29310050
Trimethylheptanol, ethoxylated	29094950
3,5,5-Trimethyl hexane!	29121920
1,1,3-Tri(2-methyl-4-hydroxy-5-tert-butylphenyl)butane	29071950
1,3,3-Trimethyl-6 ² , a-indolineacetaldehyde	29339080
Trimethyl(mixed alkyl)ammonium chloride	34021250
2,6,8-Trimethyl-4-nonanone (Isobutyl heptyl ketone)	29141900
Trimethylnonyl alcohol, ethoxylated	29094950
Trimethyl norbornane methanol	29061900
Trimethyloctadecylammonium chloride	29239000
Trimethylolpropane, alkoxyated	29094950
Trimethylol propane ester	38239050
Trimethylolpropane nonenat	29161950
Trimethylolpropane triacrylate	29161250
Trimethylolpropane trimethacrylate	29161400
Trimethylolpropane trioleate (TMP trioleate)	29161550
Trimethylolpropane tris-3-mercaptopropionate	29309050
Trimethyl orthoacetate	29110000
Trimethyl orthoformate	29110000
2,2,4-Trimethyl-1,3-pentanediol	29053950
Trimethylpentanediol dibenzoate	29163150
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	29156050
2,2,3-Trimethyl-1,3-pentanediol monoisobutyrate	29156050
2,2,4-Trimethylpentane (Iso-octane)	29011040
Trimethyl phosphite	29209050
Trimethyl(soybean oil alkyl)ammonium chloride	34021250
Trimethyl(tallow alkyl)ammonium chloride	34021250
trimethyl trimellitate	29173920
1, 3,5-Trimethyl-2,4,6-triis(3,5-dimethyl-4-hydroxybenzyl)benzene	29062950
a,a,5-Trimethyl-5-vinyl-furfuryl alcohol and tetrahydro-2,2,6-trimethyl-6-vinyl-3-ol	33021020
5-12,2,3-Trimethyl(cyclopent-3-en-1-yl)-3-methylpentan-2-ol	29052900
Tri-n-octylaluminum	29310050
Trioctylamine	29211950
Trioctyl trimellitate	29173920
Trioxane	29329050
Trioxsalen	29322950
Tri-oxaluminum tri-isopropoxide	29189050
Tripeleennamine	29333937
Tripeleennamine hydrochloride	29333937
Tripentylamine	29211950
Triphenyl phosphine	29209020
Triphenyl phosphite	29209020
Triprolidine hydrochloride	29339026
Triprolidine oxalate	29333937
Tri-n-propylaluminum	29310050
Tripropylamine	29211910
Tripropylene glycol	29094950
Tripropylene glycol diacrylate	29161250

See footnote at end of table.

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 Alphabetical Chemical index

Chemical Name	HTS No.
Tripropylene glycol monomethyl ether (3-(3-13-Methoxypropoxy)propanol)	29094950
Tris(2-chloroethyl) phosphite	29209050
Tris(chloroisopropyl)thionophosphate	29201050
Tris-2-chloropropyl phosphate	29190050
Tris(2-methoxyethoxy)vinyl silane	29310050
Tris(2-methyl-1-aziridinyl)phosphine oxide	29420020
Tris(pentamethyldisiloxanyl)-3-methacrylatopropylsilane	29310050
1,1, 1-Tris(p-hydroxyphenyl)ethane	29072960
Tri and tetraacrylate monomers, other	29161950
Tubocurarine	29420050
Tylosin	29412000
Undecanal	29121920
Undecanol (Linear C ₁₁ , alcohol)	29051900
2-Undecanone	29141900
Urea-formaldehyde resins	39091000
Urea in feed compounds (100% Basis)	31021000
Urea in liquid fertilizer (100% Basis)	31021000
Urea in plastics (100% Basis)	31021000
Urea in solid fertilizer (100% Basis)	31021000
Urea, polymers with ethanedial	39091000
Urea polymers with formaldehyde and methanol	38099100
Urea, primary solution (Report on 100% urea-content basis)	31021000
Urease	35079000
7,7'-Ureylenebis(4-hydroxy-2-naphthalenesulfonic acid) (J-Acid urea)	29041032
Uricase	35079000
Valeraldehyde (Pentanal)	29121920
Valeric acid	29159018
Vanadium oxalate	29171100
Vanadyl naphthenate	38232000
Vancomycin	29412000
Vat Black 22, 19%	32041540
Vat Black 27, 12-1/2%	32041540
Vat Blue 1, 20%	32041510
Vat Blue 6, 8-1/3%	32041540
Vat Blue 16, 16%	32041530
Vat Blue 43	32041540
Vat Blue 66	32041530
Vat brown dyes, all other	32041550
Vat Green 1, 6%	32041540
Vat Green 3, 10%	32041540
Vat Green 7	32041550
Vat green dyes, all other	32041550
Vat Orange 2, 12%	32041520
Vat Orange 7, 11 %	32041520
Vat Orange 9, 12%	32041540
Vat Red 10, 18%	32041530
Vat Red 15, 10%	32041530
Vat red dyes, all other	32041550
Vat Violet 13, 6-1/4%	32041520
Vegetable glycerides, hydrogenated	15162090
Vegetable oils, sulfated, all other	34021150
Veratraldehyde (3,4-Dimethoxybenzaldehyde)	29124920
Very high molecular weight (>1000) hydrocarbons	38239050
Vetivenyl acetate	29153945
Vinyl acetate-acrylate copolymers	39059010

See footnote at end of table.

Appendix B — Continued
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Chemical Name	HTS No.
Vinyl acetate, monomer	29153200
Vinyl bromide (Bromoethylene)	29033015
Vinyl chloride, monomer (Chloroethylene)	29032100
Vinyl fluoride, monomer	29033020
Vinylidene chloride, monomer (1,1-Dichloroethylene)	29032900
Vinylidene fluoride, monomer	29033020
Vinylmethyldichlorosilane	29310050
5-Vinyl-2-picoline (MVP)	29333927
2-Vinylpyridine	29333927
4-Vinylpyridine	29333927
1-Vinyl-2-pyrrolidinone--other copolymers	39059050
1-Vinyl-2-pyrrolidinone, copolymers with vinyl acetate	39059050
1-Vinyl-2-pyrrolidinone-methylacrylic acid, dimethylamine ethyl ester, copolymer	39059050
1-Vinyl-2-pyrrolidinone, monomer	29339046
1-Vinyl-2-pyrrolidinone, polymers	39059050
1-Vinyl-2-pyrrolidinone--vinyl acetate copolymer	39059010
N-Vinyl pyrrolidone	29339080
Vinyl resins, all other	39059050
Vinyl toluene alkyds	39075000
Vinyltriethoxysilane	29310050
Vinyl trimethoxy silane	29310050
Violet 27	32041730
Vitamin A alcohol	29362100
Vitamin A palmitate (medicinal grade)	29362100
Vitamin B-complex, all other	29362300
Vitamin C, all other	29362700
Waxes and paraffinic products	38123040
Xanthan gum	13023900
Xylene Other	29024400
Xylene High purity (98-100%)	29024400
m-Xylene (90-100% of m-xylene isomer)	29024200
o-Xylene (90-100% of o-xylene isomer)	29024100
p-Xylene (90-100% Of p-xylene isomer)	29024300
Xylenesulfonic acid	29041037
2,4-Xylenesulfonic acid	29041037
Xylenesulfonic acid, ammonium salt	29042045
Xylenesulfonic acid, ammonium salt	29041037
Xylenesulfonic acid, mixed isomers	29041037
Xylenesulfonic acid, sodium salt	29042045
Xylenesulfonic acid, sodium salt	29041037
Xylenol, ethoxylated	29095050
Xylenol, low boiling point	27079950
2,6-Xylidine	29214945
2,4-Xylidine (m-4-Xylidine)	29214910
Xylidine, original mixture	29214945
Xylitol (1,2,3,4,5-Pentane(OH) ₅)	29054950
Zeranol	29379980
Zinc acetate	29152900
Zinc t-a-alkylcarboxylate	29159050
Zinc di a lkyldithiophosphate	29201050
Zinc dialkylphenol dithiophosphate	29201020
Zinc dibutyl phosphorodithioate	29201050
Zinc diisodecyl phosphorodithioate	29201050
Zinc 2-ethyl hexanoate	38159050
Zinc gluceptate	29181990

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Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Zinc hydrocarbon dithiophosphate	29201050
Zinc isopropyl xanthate	29301000
Zinc laurate (Activator, physical property improver, and processing auxiliary)	29155901
Zinc naphthenate	38232000
Zinc neodecanoate	29159050
Zinc phenolsulfonate	29082060
Zinc stearate	29157000
Zinc tallate	29162000
Zinc undecylenate	29161950
Zirconaluminate compounds	29310050
Zirconium acetate	29152900
Zirconium t-acr-alkylcarboxylate	29159050
Zirconium 2-ethylhexanoate	29159050
Zirconium neodecanoate	29159050

¹ The HTS classifications presented in this report are not intended to be, and will not be, binding upon the U.S. Customs Service and should be considered as formal or informal rulings and advice.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

APPENDIX C
ANALYST ASSIGNMENTS

Analyst assignments by HTS subheading'

<i>HTS item no. range</i>	<i>Analyst</i>	<i>HTS item no. range</i>	<i>Analyst</i>
13021100-13021100.	NESBITT	29024400-29024400.	RAFTERY
13023100-13023100.	JONNARD	29025000-29029050.	MATUSIK
14041000-14041000.	WANSER	29031100-29035905.	MICHELS
15191100-15143060.	RANDALL	29035910-29035910.	WANSER
15201000-15209000.	MICHELS	29035915-29036925.	MATUSIK
15210000-15219040.	RANDALL	29036930-29036930.	WANSER
22071060-22072000.	MICHELS	29036950-29041030.	MATUSIK
25010000-25020000.	GREENBLATT	29041050-29041050.	MICHELS
25031000-25039000.	TRAINOR	29042010-29042020.	MATUSIK
25090010-25090020.	GREENBLATT	29042030-29042030.	LAND
25101000-25102000.	TRAINOR	29042035-29049050.	MATUSIK
25111010-25112000.	GREENBLATT	29051110-29052100.	MICHELS
25281000-25289000.	GREENBLATT	29052210-29052250.	LAND
27011100-27100060.	FORESO	29052900-29055050.	MICHELS
27101100-27111300.	LAND	29061100-29061100.	LAND
27111400-27111400.	RAFTERY	29061200-29061200.	MATUSIK
27111900-27112900.	LAND	29061310-29061350.	NESBITT
27121000-27122000.	FORESO	29061400-29061400.	LAND
27129010-27129020.	RANDALL	29061900-29062100.	MATUSIK
27129020-27160000.	FORESO	29062910-29062920.	LAND
28011000-28013020.	CONANT	29062950-29072100.	MATUSIK
28020000-28020000.	TRAINOR	29072210-29072210.	WANSER
28030000-28030000.	JOHNSON	29072250-29081010.	MATUSIK
28041000-28046950.	CONANT	29081020-29081020.	WANSER
28047000-28047000.	TRAINOR	29081025-29089050.	MATUSIK
28048000-28054000.	CONANT	29091100-29092000.	MICHELS
28061000-28061000.	TRAINOR	29093005-29093007.	MATUSIK
28062000-28062000.	CONANT	29093010-29093020.	LAND
28070000-28111950.	TRAINOR	29093030-29093030.	WANSER
28112100-28139050.	CONANT	29093040-29093050.	MATUSIK
28141000-28142000.	TRAINOR	29094100-29094400.	MICHELS
28151100-28163000.	CONANT	29094905-29094905.	NESBITT
28170000-28170000.	JOHNSON	29094910-29094950.	MATUSIK
28181010-28209000.	CONANT	29095010-29095020.	NESBITT
28211000-28212000.	JOHNSON	29095040-29095040.	LAND
28220000-28220000.	CONANT	29095045-29096020.	MATUSIK
28230000-28249050.	JOHNSON	29096050-29121300.	MICHELS
28251000-28259060.	CONANT	29121910-29121920.	LAND
28261110-28301000.	GREENBLATT	291 21 930-291 21 930.	NESBITT
28302000-28303000.	JOHNSON	29122100-29122950.	MATUSIK
28309000-28341050.	GREENBLATT	29123010-29123010.	MATUSIK
28342100-28342100.	TRAINOR	29123020-29123020.	LAND
28342200-28342200.	GREENBLATT	29123050-29123050.	MICHELS
28342910-28342910.	TRAINOR	29124100-29124950.	LAND
28342920-28351000.	GREENBLATT	29125000-29126000.	MICHELS
28352100-28352100.	TRAINOR	29130010-29130010.	MATUSIK
28352200-28361000.	GREENBLATT	29130050-29130050.	MICHELS
28362000-28364020.	CONANT	29141110-29141900.	MICHELS
28365000-28366000.	GREENBLATT	29142110-29142120.	RANDALL
28367000-28367000.	JOHNSON	29142210-29142220.	MATUSIK
28369100-28372050.	GREENBLATT	29142300-29142300.	LAND
28380000-28380000.	JOHNSON	29142910-29142950.	MICHELS
28391100-28411000.	GREENBLATT	29143000-29143000.	MATUSIK
28412000-28412000.	JOHNSON	29144100-29144100.	MICHELS
28413000-28510000.	GREENBLATT	29144910-29144910.	MATUSIK
29011010-29011050.	LAND	29144950-29144950.	MICHELS
29012100-29012950.	RAFTERY	29145020-29146100.	MATUSIK
29021100-29021900.	MATUSIK	29146910-29146910.	WANSER
29022000-29023000.	RAFTERY	29146920-29146920.	NESBITT
29024100-29024300.	MATUSIK	29146950-29146950.	MATUSIK

Analyst assignments by HTS subheading'

<i>HTS item no. range</i>	or	<i>Analyst</i>	<i>HTS item no. range</i>	<i>Analyst</i>
29147010-29147020	..	MATUSIK	29201010-29201010	.. WANSER
29147050-29151200	..	MICHELS	29201020-29201020	.. MATUSIK
29151310-29151310	..	MATUSIK	29201050-29201050	.. MICHELS
29151350-29153500	..	MICHELS	29209010-29209010	.. WANSER
29153400-29153400	..	MICHELS	29209020-29209020	.. MATUSIK
29153500-29153500	..	MICHELS	29209050-29212900	.. MICHELS
29153910-29153910	..	LAND	29213010-29214220	.. MATUSIK
29153920-29153920	..	LAND	29214225-29214225	.. WANSER
29153930-29153930	..	MATUSIK	29214230-29214910	.. MATUSIK
29153935-29153935	..	MICHELS	29214920-29214920	.. NESBITT
29153940-29153945	..	LAND	29214930-29214930	.. WANSER
29153947-29153947	..	MICHELS	29214935-29214940	.. NESBITT
29153950-29153950	..	LAND	29214945-29215110	.. MATUSIK
29154000-29154010	..	MICHELS	29215120-29215120	.. WANSER
29154020-29154030	..	MATUSIK	29215130-29215950	.. MATUSIK
29154050-29155010	..	MICHELS	29221100-29221300	.. MICHELS
29155020-29155020	..	MATUSIK	29221910-29221915	.. NESBITT
29155050-29155050	..	MICHELS	29221920-29221940	.. MATUSIK
29156010-29156010	..	MATUSIK	29221950-29221950	.. MICHELS
29156050-29156050	..	MICHELS	29222110-29222923	.. MATUSIK
29157000-29159010	..	RANDALL	29222925-29222925	.. WANSER
291 5901 5-291 5901 5	..	MICHELS	29222927-29222927	.. NESBITT
29159020-29159020	..	MATUSIK	29222929-29222929	.. WANSER
29159050-29161100	..	MICHELS	29222935-29223030	.. MATUSIK
291 61 21 0-291 61 21 0	..	MATUSIK	29223050-29224100	.. MICHELS
29161250-29161400	..	MICHELS	29224210-29224210	.. LAND
29161510-29161550	..	RANDALL	29224250-29224250	.. MICHELS
29162000-29163110	..	MATUSIK	29224910-29224910	.. MATUSIK
29.163120-29163120	..	LAND	29224920-29224920	.. NESBITT
29163130-29163220	..	MATUSIK	29224930-29224935	.. MATUSIK
29163310-29163320	..	LAND	29224940-29224950	.. MICHELS
29163330-29163910	..	MATUSIK	29225010-29225010	.. MATUSIK
291 6391 5-291 6391 5	..	NESBITT	29225013-29225025	.. NESBITT
29163920-29163920	..	LAND	29225030-29225040	.. MATUSIK
29163930-29163950	..	MATUSIK	29225050-29225050	.. MICHELS
29171100-29171450	..	MICHELS	29231000-29231000	.. NESBITT
29171910-29171910	..	NESBITT	29232000-29239000	.. LAND
29171915-29171917	..	MICHELS	29241010-29241050	.. MICHELS
29171920-29173950	..	MATUSIK	29242110-29242115	.. WANSER
29181110-29181650	..	MICHELS	29242120-29242130	.. MATUSIK
29181710-29181750	..	NESBITT	29242150-29242150	.. MICHELS
29181910-29181930	..	MATUSIK	29242905-29242905	.. MATUSIK
29181950-29181950	..	MICHELS	29242907-29242907	.. LAND
29182110-29182110	..	NESBITT	29242909-29242914	.. MATUSIK
291 821 50-291 821 50	..	MATUSIK	29242915-29242925	.. WANSER
291 8221 0-291 8221 0	..	NESBITT	29242935-29242939	.. NESBITT
29182250-29182250	..	MATUSIK	29242940-29242945	.. MATUSIK
29182310-29182310	..	NESBITT	29242950-29242950	.. MICHELS
29182320-29182320	..	LAND	29251100-29251100	.. LAND
29182330-29182330	..	MATUSIK	29251910-29251920	.. MATUSIK
29182350-29182350	..	MICHELS	29251950-29251950	.. MICHELS
29182910-29183030	..	MATUSIK	29252010-29252020	.. NESBITT
29183050-29189005	..	MICHELS	29252030-29252050	.. MATUSIK
29189010-29189020	..	WANSER	29261000-29262000	.. MICHELS
29189030-29189030	..	NESBITT	29269010-29269010	.. MATUSIK
29189035-29189035	..	LAND	29269021-29269027	.. WANSER
29189040-29189045	..	MATUSIK	29269035-29269040	.. MATUSIK
29189050-29189050	..	MICHELS	29269050-29269050	.. MICHELS
29190010-29190030	..	MATUSIK	29270010-29270010	.. MATUSIK
29190050-29190050	..	MICHELS	29270015-29270015	.. MICHELS

Analyst assignments by HTS subheading'

<i>HTS item no. range</i>	<i>Analyst</i>	<i>HTS item no. range</i>	<i>Analyst</i>
29270020-29270030..	WANSER	29337100-29339010. .	MATUSIK
29270040-29280010..	MICHELS	29339015-29339025. .	WANSER
29280020-29280020..	MATUSIK	29339026-29339036. .	NESBITT
29280030-29280030..	NESBITT	29339037-29339047. .	MATUSIK
29280050-29299020..	MATUSIK	29339048-29339048. .	NESBITT
29299050-29301000..	MICHELS	29339050-29342030. .	MATUSIK
29302010-29302010..	WANSER	29342035-29342035. .	WANSER
29302020-29302020..	MATUSIK	29342040-29342050. .	MATUSIK
29302050-29302050..	WANSER	29343010-29343030. .	NESBITT
29303000-29303000..	MICHELS	29343040-29349006. .	MATUSIK
29304000-29304000..	NESBITT	29349010-29349020. .	WANSER
29309010-29309010..	WANSER	29349025-29349025. .	NESBITT
29309020-29309020..	MATUSIK	29349040-29349045. .	MATUSIK
29309030-29309040..	WANSER	29349047-29349047. .	NESBITT
29309045-29309050..	MICHELS	29349050-29350015. .	MATUSIK
29310010-29310010..	MATUSIK	29350020-29350020. .	WANSER
29310015-29310015. .	MICHELS	29350030-29350045. .	NESBITT
29310022-29310022..	NESBITT	29350047-29350050. .	MATUSIK
29310025-29310025..	WANSER	29361000-29399050. .	NESBITT
29310027-29310040. .	MATUSIK	29400000-29400000. .	RANDALL
29310050-29310050..	MICHELS	29411010-29420005. .	NESBITT
29321100-29321950..	MATUSIK	29420010-29420020. .	MATUSIK
29322100-29322100..	LAND	29420050-29420050. .	MICHELS
29322910-29322910..	WANSER	30011000-30049060. .	NESBITT
29322920-29322920..	NESBITT	30051010-30061000. .	RANDALL
29322930-29322950..	MATUSIK	30062000-30063050. .	NESBITT
29329010-29329020..	WANSER	30064000-30065000. .	RANDALL
29329030-29329030..	LAND	30066000-30066000. .	NESBITT
29329032-29329035..	MATUSIK	31010000-31059000. .	TRAINOR
29329037-29329037..	LAND	32011000-32050050. .	WANSER
29329039-29329041..	MATUSIK	32061000-32159050. .	JOHNSON
29329045-29329045..	MATUSIK	33011100-34031150. .	LAND
29329050-29329050..	MICHELS	34031910-34031950. .	FORESO
29331100-29331100..	NESBITT	34039110-34039900. .	LAND
29331910-29331910..	MATUSIK	34041000-34070000. .	RANDALL
29331925-29331930..	WANSER	35011010-35011050. .	RANDALL
29331935-29331935..	NESBITT	35019020-35019020. .	JONNARD
29331940-29331942..	MATUSIK	35019050-35019050. .	RANDALL
29331945-29331945..	NESBITT	35030010-35030055. .	JONNARD
29331950-29331950..	MICHELS	35040010-35040050. .	RANDALL
29332100-29332100..	NESBITT	35052000-35069900. .	JONNARD
29332910-29332910..	MATUSIK	35070000-35079000. .	MICHELS
29332920-29332920..	NESBITT	36010000-36050000. .	JOHNSON
29332930-29332940..	MATUSIK	36061000-36061000. .	LAND
29332945-29332945..	NESBITT	36069030-36069060. .	JOHNSON
29332950-29332950..	MICHELS	37079030-37079060. .	WANSER
29333100-29333920..	MATUSIK	38011000-38030000. .	RANDALL
29333921-29333927..	WANSER	38040010-38040010. .	LAND
29333930-29333935..	NESBITT	38040050-38070000. .	RANDALL
29333947-29334015..	MATUSIK	38081010-38089050. .	WANSER
29334020-29334025..	NESBITT	38091000-38099950. .	LAND
29334030-29334030..	WANSER	38101000-38109010. .	MICHELS
29334045-29334050..	MATUSIK	38109020-38109020. .	GREENBLATT
29335110-29335110..	NESBITT	38109050-38109050. .	MICHELS
29335150-29335150..	MATUSIK	38111110-38119000. .	FORESO
29335910-29335918..	WASNER	38121010-38123050. .	MICHELS
29335920-29335930..	NESBITT	38130010-38130050. .	GREENBLATT
29335935-29335940..	MATUSIK	38140010-38140050. .	MATUSIK
29335950-29335950..	MICHELS		
29336100-29336900..	MICHELS		

See footnote at end of listing.

Analyst assignments by HTS subheading'

*HTS item
no. range*

Analyst

38151100-38160000. . GREENBLATT
38171000-38172000. . MATUSIK
38180000-38180000. . GREENBLATT
38190000-38190000. . FORESO
38200000-38210000. . MICHELS
38220010-38220050. . NESBITT
38231000-38232000. . MICHELS
38233000-38233000. . GREENBLATT
38234010-38234010. . MATUSIK
38234020-38235000. . GREENBLATT
38239021-38239029. . MATUSIK
38239031-38239039. . GREENBLATT
38239050-38239050. . MICHELS
39011000-39122000. . MISURELLI
39123100-39123100. . LAND
39123900-39174000. . MISURELLI
39181010-39189050. . RAFTERY
39191000-39219050. . MISURELLI
39221000-39229000. . RAFTERY
39231000-39239000. . TRAINOR
39241010-39261000. . RAFTERY
39262010-39262050. . JONES
39263010-39269050. . RAFTERY
39269055-39269060. . MISURELLI
39269065-39269090. . RAFTERY
40011000-40109950. . MISURELLI
40111000-40149050. . RAFTERY
40151100-40159000. . JONES
40161000-40169500. . RAFTERY
40169903-40169903. . TRAINOR
40169905-40169910. . RAFTERY
40169915-40169915. . TRAINOR
40169920-40170000. . RAFTERY

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Other Recent USITC Publications

The Year In Trade 1993 (USITC Publication 2769, July 1994). MUST BE PURCHASED FROM GPO. One of the U.S. government's most comprehensive reviews of U.S. trade-related activities, covering major multilateral, regional and bilateral developments during the year. This year's edition provides a practical guide to over 20 major agreements reached during the seven-year long Uruguay Round GATT negotiations and an overview of the World Trade Organization. It also examines two important regional trade developments — the passage of the North American Free-Trade Agreement implementing legislation and the meeting of Asia-Pacific Economic Cooperation leaders. (To order from GPO, indicate stock number 049-000-00069-3 and send your check for \$14.00 (\$17.50 foreign) per copy or provide your VISA or MasterCard number and expiration date to: Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15220-7954 (FAX to 202-512-2250).)

Potential Impact on the U.S. Economy and Industries of the GAIT Uruguay Round Agreements: Volume 1 and Volume 2 (Inv. 332-353, USITC Publication 2790 (Vol. 1) and 2791 (Vol. 2), June 1994). Reviews and analyzes studies of the economy-wide effects of the General Agreement on Tariffs and Trade Uruguay Round Agreements and analyzes the impact of both tariff and nontariff provisions of the Uruguay Round Agreements on the agricultural, industrial, and service sectors of the U.S. economy.

Impact of the Caribbean Basin Economic Recovery Act on U.S. Industries and Consumers, Ninth Report, 1993 (Inv. 332-227, USITC Publication 2813, September 1994). MUST BE PURCHASED FROM GPO. The Caribbean Basin Economic Recovery Act (CBERA), which lowers duties for most products imported from designated Caribbean countries, marked its 10th year of operation in 1993. The first chapter of this publication offers a retrospective of the program's first decade. The remaining chapters focus on 1993 developments under the program. (To order from GPO, indicate stock number 049-000-00072-3 and send your check for \$5.50 (\$6.25 foreign) or provide your VISA or MasterCard number and expiration date to Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15220-7954 (FAX to 202-512-2250).)

Production Sharing: U.S. Imports Under Harmonized Tariff Schedule Provisions 9802.00.60 and 9802.00.80, 1989-1992 (Inv. 332-237, USITC Publication 2729, February 1994). Updated each year, assesses by industry sector the products and countries that make use of the production sharing provisions of the Harmonized Tariff Schedule of the United States, which provide reduced tariff treatment for eligible goods that are processed in foreign locations but contain U.S.-made components. This report also examines the implications of the North American Free-Trade Agreement for the maquiladora industry in Mexico and phased-in access to the Mexican market for maquila production.

U.S. Imports of Textiles and Apparel Under the Multifiber Arrangement: Annual Report for 1993 (Inv. 332-343, USITC Publication 2763, March 1994). This report is the second of three annual reports on U.S. imports of textiles and apparel under the Multifiber Arrangement (MFA). The MFA is a multilateral agreement which provides a general framework and guiding principles for the negotiation of bilateral agreements between textile importing and exporting countries, or for unilateral action by an importing country if an agreement cannot be reached. The United States maintains quotas on MFA goods from some 40 countries that supply almost 80 percent of the import volume of such products.

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