UNITED STATES TARIFF COMMISSION Washington

## IMPORTS OF BENZENOID CHEMICALS AND PRODUCTS

1964

United States General Imports of Intermediates, Dyes, Medicinals, Flavor and Perfume Materials, and Other Finished Benzenoid
Products Entered in 1964 Under Schedule 4, Part 1, of the Tariff Schedules of the United States



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#### IMPORTS OF BENZENOID CHEMICALS AND PRODUCTS, 1964

#### Introduction

This report presents statistics on U.S. imports of products entered in 1964 under the Tariff Schedules of the United States (TSUS) -- title I of the Tariff Act of 1930, as amended. The data were obtained by analyzing invoices covering imports through all U.S. customs districts.

Items included in this report are referred to as "benzenoid" chemicals and products. The term "benzenoid chemicals" refers to cyclic organic chemicals having a benzenoid, quinoid, or modified benzenoid 1/structure and to certain cyclic and acyclic chemicals obtained therefrom, provided for in part 1 of schedule 4 of the TSUS. Certain benzenoid chemicals, however, are specifically excluded from part 1 of schedule 4; among these are certain chemicals obtained from animal or vegetable products. 2/The cyclic chemicals here considered are usually produced in whole or in part either from coal tar or petroleum and were formerly provided for in paragraphs 27 and 28 of the Tariff Act of 1930.

The original rates of duty provided for in paragraphs 27 and 28 of the Tariff Act of 1930 (now TSUS items 403.02 - 409.00) were all compound rates and consisted of an ad valorem rate plus a specific rate in cents per pound. The present (TSUS) rates of duty on all imports of the benzenoid products covered by this report continue to be compound rates except for certain colors, dyes and stains, and color lakes and toners which are ad valorem rates. The specific portion of the compound rates of duty is assessed on the actual weight of the imported product, except that, for colors, dyes, and stains which exceed the standards of strength established by the Secretary of the Treasury, the specific rate is computed on the weight of the product as if diluted to the standard strength.

Benzenoid products that are "competitive" with similar domestic products, because they accomplish results substantially equal to those accomplished by the similar domestic product when used in substantially the same manner, are subject to a special basis of valuation for customs purposes known as the "American selling price." If "noncompetitive", the benzenoid products are valued for customs purposes on the basis of the "United States value." The essential difference between these two values is that "American selling price" is based on the wholesale price in the United States of the "competitive" domestic product, whereas "United States value" is based on the wholesale price in the United States of the imported product less most of the expenses incurred in

2/ Additional exceptions are provided in the headnotes to other parts of Schedule 4. For instance, the headnote to part 3 specifically exempts niacin, niacinamide, mesc-inositol hexanicotinate, and pyridoxine (vitamin  $B_6$ ).

<sup>1/</sup> The term "modified benzenoid" describes a molecular structure having at least one six-membered heterocyclic ring which contains at least four carbon atoms and having an arrangement of molecular bonds as in the benzene ring or in the quinone ring, but does not include any such molecular structure in which one or more pyrimidine rings are the only modified benzenoid rings present.

bringing the product to the United States and selling it. When neither of these two valuation bases applies, then the "export value", "foreign value", or bonstructed value" is used as the valuation basis under section 402 or 402a, Tariff Act of 1930, as amended.

The statistics in this report are based on general imports, whereas the official statistics of the U.S. Department of Commerce are based on imports for consumption. General imports are the sum of the quantities entered for immediate consumption, plus the quantities entered into customs bonded warehouses. Imports for consumption, on the other hand, are the sum of the quantities entered for immediate consumption, plus the quantities withdrawn for consumption from customs bonded warehouses. The import statistics in this report, therefore, are not strictly comparable with official import statistics. The differences resulting from the above-mentioned methods of compiling import data should be taken into consideration when comparing figures in this report with those published by the U.S. Department of Commerce.

Statistics 1/ on the value of imports given in this and earlier reports are the invoice values and not necessarily the dutiable values as finally determined by the customs appraiser or (in the event of litigation) by a customs court. The invoice values given for "noncompetitive" products on the average roughly approximate dutiable values. For "competitive" products, on the other hand, the invoice values usually are lower than the dutiable values, since the duties on these products are assessed on the basis of the "American selling price." The competitive status of the individual chemicals, when available, is shown in a separate column of all pertinent tables. The competitive status is determined by the Customs Service and the tables given herein reflect the latest determinations of the Service available to the Tariff Commission. In some instances the competitive status may not be in accord with the final determinations made by the customs appraiser or (in the event of litigation) by a customs court.

In 1964 statistics on imports of benzenoid chemicals and products were classified according to the Tariff Schedules of the United States Annotated (TSUSA) 2/--the first full year that this classification had applied. The 1963 statistics that appear in this report have been revised, where necessary, to make them comparable to the 1964 data. The major areas of revision are noted later in the report.

The rates of duty in effect from January 1, 1964 may be ascertained by reference to the Tariff Schedules of the United States (TSUS). 3/

2/ U.S. Tariff Commission, Tariff Schedules of the United States Annotated, TC Publication 103, 1963.

<sup>1/</sup> Imports amounting to less than 25 pounds are not shown separately in this report, except medicinals (including alkaloids and antibiotics).

<sup>3/</sup> U.S. Tariff Commission, Tariff Schedules of the United States, TC Publication 112, 1963. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 - Price \$4.00.

Imports Under Schedule 4, Part 1B, TSUS (Benzenoid Intermediates)

Chemicals that are entered under Schedule 4, Part 1B, TSUS, consist chiefly of benzenoid intermediates and small quantities of acyclic compounds which are derived in whole or in part from benzenoid compounds. The intermediates are benzenoid chemicals that have progressed only part way in the manufacturing process; derived from coal-tar and petroleum crudes (which enter free of duty under Schedule 4, Part 1A, TSUS), they are generally used to make more advanced products. Small quantities of finished products, such as rubber-processing chemicals and mixtures containing a benzenoid product, are included under Part 1B.

In 1964, general imports of benzenoid intermediates entered under Part 1B totaled 18.8 million pounds, with an invoice value of \$14.4 million (see table 1), compared with 25.2 million pounds, valued at \$12.6 million, in 1963. 1/ In 1962, imports entered under paragraph 27 of the Tariff Act of 1930 amounted to 21.3 million pounds, valued at \$14.2 million, and in 1961, to 19.0 million pounds, valued at \$12.3 million.

In 1964, about 47 percent of the benzenoid chemicals imported under Part 1B were declared to be "competitive" (duty based on "American selling price"). Imports of "competitive" intermediates in 1964 amounted to 15.9 million pounds, valued at \$9.2 million, or 84 percent of total imports, in terms of quantity, and 64 percent, in terms of value. "Noncompetitive" imports amounted to 2.9 million pounds valued at \$5.2 million. The competitive status of 18,000 pounds of intermediates is not available.

In terms of quantity, about 40 percent of all the intermediates imported in 1964 came from West Germany (see table 2). Imports from West Germany in that year totaled 7.6 million pounds, compared with 8.3 million pounds in 1963. In 1964, imports from the United Kingdom amounted to 2.2 million pounds, compared with 2.5 million pounds in 1963. Imports from Japan amounted to 2.2 million pounds, compared with 2.1 million pounds in 1963. Imports from Canada totaled 2.0 million pounds in 1964, compared with 7.3 million pounds in 1963; and imports from Italy amounted to 1.6 million pounds in 1964, compared with 2.4 million pounds in 1963. In 1964, sizable quantities of intermediates also were imported from France (1,049,000 pounds), Switzerland (1,043,000 pounds), Sweden (629,000 pounds), and the Netherlands (254,000 pounds). Smaller quantities came from Belgium (120,000 pounds), and Czechoslovakia (55,000 pounds).

<sup>1/</sup> The import statistics for 1963 have been revised to account for the transfer of such commodities as fast color bases, fast color salts, naphthol AS and derivatives, pesticides, and textile assistants to Schedule 4, Part 10, TSUS (see tables 7, 8, 9, and 13).

Table 1.--Benzenoid intermediates: Summary of U.S. general imports entered under Schedule  $\mu$ , Part 1B, TSUS, by competitive status, 196 $\mu$ 

Status	Number of products	Quantity	Percent of total quantity	Invoice value	Percent of total value	Unit value
		Pounds				Per pound
Competitive (duty based on American						
selling price)	308	15,918, <b>3</b> 17	84.8	\$9,206,305	6 <b>3.</b> 9	\$0.58
Noncompetitive (duty based on U.S. value)- Noncompetitive (duty based on export value)	103	873,550	4.6	1,582,032	11.0.	1.81
	235	1,978,597	10.5	3,609,746	25.0	1.82
Competitive status not available	5	18,244	0.1	12,250	0.1	.67
Grand total	651	18,788,708	100.0	14,410,333	100.0	.77

Note.--The unit values shown for imports of benzenoid intermediates listed in table 1 are weighted averages. The numerous individual benzenoid intermediates vary widely in quality and unit value.

Table 2.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, by country of origin, 1964 compared with 1963

	196	5 <b>1</b> 4	196 <b>3</b> <u>1</u> /	
Country	Quantity	Percent of total quantity	Quantity	Percent of total quantity
West Germany	7,587,163 2,235,203 2,227,167 1,986,994 1,577,002 1,049,077 1,042,508 628,635 253,520 201,439	40.4 11.9 11.9 10.6 8.4 5.6 5.5 3.3 1.3	8,314,774 2,488,691 2,128,800 7,267,016 2,352,695 510,581 967,937 227,116 485,927 505,526	33.0 9.9 8.4 28.8 9.3 2.0 3.8 0.9 1.9 2.0
Total	18,788,708	100.0	25,249,063	100.0

<sup>1/</sup> Revised based on TSUS import classifications which became effective August 31, 1963. The decrease of 3.9 million pounds from the previously published imports of 29.1 million pounds of intermediates is accounted for by the transfer of finished products, formerly imported under par. 27 of the Tariff Act of 1930, to Schedule 4, Part 1C, TSUS. The transfers were principally fast color bases, fast color salts, naphthol AS and derivatives, pesticides, and textile assistants.

2/ Consists principally of imports from Belgium and Czechoslovakia in 1964 and Belgium and

Poland in 1963.

Imports of intermediates by principal trading areas in 1964 were as follows:

Area	Pounds	$\frac{\text{Invoice}}{\text{value}}$	$\frac{ \begin{array}{c} \text{Unit} \\ \text{invoice} \\ \hline \text{value} \end{array} }$
European Economic Community European Foreign Trade	2.	\$8,359,838	\$0.79
AssociationAll other countries 1/	3.906.720	4,582,292 1,468,203	1.17
Total	18,788,708	14,410,333	.77

1/ Principally Japan, Canada, and Mexico.

The most important intermediates imported in 1964 were adipic acid. refined anthracene, p-nitrotoluene, 1,6-hexanediamine, polyalkylbenzene, cyclohexanesulfamic acid, calcium salt, acetoacetanilide, 3-hydroxy-2naphthoic acid (B.O.N.), and p-toluenesulfonamide (see table 3). In 1964, imports of adipic acid, which amounted to 1.9 million pounds, were principally from Canada; imports of refined anthracene, which totaled 900,000 pounds, all came from West Germany; imports of p-nitrotoluene, which came from Sweden and West Germany, totaled 748,000 pounds; imports of 1,6-hexanediamine, which came from France, Italy, and West Germany, amounted to 741,000 pounds; imports of polyalkylbenzene (725,000 pounds) all came from Italy; imports of cyclohexanesulfamic acid, calcium salt, (714,000 pounds) all came from Japan; and imports of acetoacetanilide, which came from the United Kingdom, Switzerland, West Germany, and Japan, amounted to 599,000 pounds. Among the other important individual chemicals imported, imports of 3-hydroxy-2-naphthoic acid (B.O.N.) came from Italy, Japan and West Germany; p-toluenesulfonamide came principally from Japan.

Imports of rubber-processing chemicals amounted to 198,000 pounds in 1964, compared with 39,000 pounds in 1963. The 1964 imports, which consisted principally of "noncompetitive" items, came principally from the United Kingdom and West Germany.

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964

	date 4, late my 1000; blowing competitive beauty.	1/04
Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		Pounds
NC 1/ C C C C C C C C C C C C C C C C C C C	A C D Amine	60 1,235 1,153 8,000 598,578 105,555 2,000 21,500 163,472 6,776 123,657 300 14,870 250 55 3,878 63,923 64 1,886,286 2,039 57,359 8,408 33,068 33,068 33,228 139,940 14,550 26,737
C C	m-Aminobenzoic acid, ethyl ester	165

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Schedule	4, Part 1B, TSUS, showing competitive status, 1961	Continued
Competitive		
status (C =		
competitive;		
NC = non-	Intermediate	Quantity
competitive)		
***************************************		
		<u>Pounds</u>
NG 7 /	p-Aminobenzylmethylamine	606
NC 1/ NC	Aminobisphenol ester	
C	1-Amino-4-bromo-2-anthraquinonesulfonic acid	1,594
	(Bromamine acid)	208,815
NC 1/	2-Amino-4-tert-butylphenol	36,179
NC I/	4-Amino-6-chloro-m-benzenedisulfonamide	26,455
$\overline{1}$	2-Amino-4-chlorodiphenyl ether	, , , , , ,
$\overline{1}$	2-Amino-4-chloro-5-nitrophenol	
NC =	2-Amino-6-chloro-4-nitrophenol hydrochloride	
C	2-Amino-4-chlorophenol	5,292
Č	2-Amino-4-chlorophenol-6-sulfonic acid	3,645
NC 1/	2-Amino-6-chlorophenol-4-sulfonic acid	
C ±/	6-Amino-4-chloro-m-toluenesulfonic acid $\sqrt{S}O_3H=17-$	
NC 1/	2-Amino-4-cumenylphenol	
C _	1-Amino-2,4-dibromoanthraquinone	16,777
NC	2-Amino-1,4-dimethoxybenzene-5-β-oxyethyl	0.300
O	sulf onep-Aminodimethylaniline	
C . NC l/	2-Amino-6-ethoxybenzothiazole	2,000
NC T	6-Aminohexanoic acid	
NC 1/	Aminoisophthalic acid, dimethyl ester	
$\overline{1}$	5-Amino-1-methoxybenzol-4-oxyethyl sulfone	203
110 1/	(Amino sulfon A)	2,028
NC	Aminomethoxybenzothiazole	1,003
NC	2-Amino-6-methoxybenzothiazole	
C	4'-Amino-N-methylacetanilide	762
NC 1/	3-Amino-4-methylbenzoyl-m-xylidide	
NC I/	6-Amino-N-methyl-l-naphthol-3-sulfonic acid	
C =	3-Amino-1,5-naphthalenedisulfonic acid (Cassella	4-5//4
	acid) and the mention and the base part and such sure out that all sections are all such that and the such that th	187,425
C	3-Amino-1,5-naphthalenedisulfonic acid sodium	
	salt (Cassella acid sodium salt)	2,370
C	3-Amino-2,7-naphthalenedisulfonic acid, salt	5,424
C, NC	7-Amino-1,3-naphthalenedisulfonic acid (Amino G	
·	acid and salt) we are so so by the first and a court of the court of	58,378
C.	8-Amino-1,6-naphthalenedisulfonic acid	666
C	4-Amino-l-naphthalenesulfonic acid, sodium salt	
	(Sodium naphthionate)	92,273
		_

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

paneante	the range the responsible combessions a season and	10 0110111140 <b>u</b>
Competitive status (C = competitive; NC = non- competitive	Intermediate	Quantity
		Pounds
C C C C C C C C C C C C C C C C C C C	5-Amino-1-naphthalenesulfonic acid (Laurent's acid) 5-Amino-2-naphthalenesulfonic acid (1,6-Cleve's acid)	5,330 50,130 10,392 15,661 5,807 7,697 4,918 6,194 166,241 129,379 5,910 131,042 229,433 1,062 2,082 2,992 4,967 3,563 19,853 1,893 26,556 23,886
C NC 1/ C NC 1/ NC O, NC 1/ NC C, NC 1/	6-Aminopenicillanic acid m-Aminophenol	8,274 231,096 79,280 198,338 2,778 1,146

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quanti ty
		Pounds
C C C I/NC I/NC I/NC I/NC C C C C C C C C C C C C C C C C C C	m(p-Aminophenylazo)benzenesulfonic acid	3,678 8,800 22,678 4,711 1,102 6,140 55 2,041 10,226 486 4,957 16,518 2,451 1,965 103 15,604 72,916 604 900,099 113,568 238,368 2,350 22,040 3,283 100 13,024 7,266 4,154
ŭ		

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		Pounds
		Manuscratusumspoorumine
NC 1/ NC 1/	Benzil	կկ 2,293
$\frac{1}{1}$	Benzoic anhydride	450
$NC \overline{1}/$	Benzol phthalide	220
C T	Benzoyl K-acid	2,972
$\begin{array}{c} NC \ \frac{1}{I}/\\ NC \ \overline{I}/ \end{array}$	BenzylaminopyridineBenzylchloroformate	1,607 55
'NC I/	Bernstein 23028	55
$\overline{\underline{I}}$	Biligrafin acid	5,069
C	1,1'-Binaphthalenedicarboxylic acid (Dina acid)-	8,256
NC 1/ NC 1/	(2-Biphenylyloxy)sodiumBischloromethylisodibenzanthrone	1,287 255
$\frac{1}{1}$	Bitrex	1,299
$\frac{1}{NC}$ , $\frac{1}{NC}$	Brake fluid	8,812
NC 1/	Bromopentafluorobenzene	25
C	2-Bromo-α-resorcylic acid	200
NC <u>1</u> /	N-Butylaniline	79
C	6-tert-Butyl-m-cresol	11,090 25,206
NC <u>1</u> /	p-tert-Butylphenol	40
C _	Carbazole	122,879
NC 1/	Carbazole-3-carboxylic acid, sodium salt	2,957
NC, NC 1/	Castrol R	
NC 1/	2'-Chloroacetoacetanilide	110 15,202
NC 1/	4'-Chloroacetoacetanilide	6,000
$\overline{1}$	2-Chloro-2',6'-acetoxylidide	110
$\overline{1}$	6-Chloro-2-aminophenyl-4-sulfonic acid	2,009
c –	p-Chloroaniline	50,350
C C	4-Chloroaniline-3-sulfonic acid	4,582
C, <u>2</u> /	5-Chloro-o-anisidine NH <sub>2</sub> =17	34,341
C y	1-Chloroanthraquinonep-Chlorobenzotrifluoride	5,252
C NC 1/	p-Chloro-2-henzylnyridine	62,112 154
C ±/	p-Chloro-2-benzylpyridinep-Chloro-m-cresol	2,205
Č .	4-Chloro-2,5-dibutoxynitrobenzene	1,200

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive;	Intermediate	Quantity
NC = ndn- competitive)		
		Pounds
c, NC <u>1</u> /	4-Chloro-2,5-diethoxynitrobenzene 4'-Chloro-2,5'-dimethoxyacetoacetanilide	2,016
NC .	2-Chloro-4,6-dinitroaniline	28,000 750
C NC 1/	Chlorodiphenyl sulfone	57,872 5,000
c, Nc <u>1</u> /	l-Chloronaphthalene	12,231
C .	4-Chloro-2-nitroaniline	2,500 2,412
NC 1/	1-Chloro-2-nitrobenzene	بالم 204ء
C	Chloronitro-p-diethoxybenzene	2,207
NC <u>1</u> /	o-Chlorophenol	62 831
NC. C	5-Chloro-8-quinolinol hydrochloride	3,457 9,000
<u>0</u> 3	4-Chloro-o-toluidine /NH2=17	9,000
C, NC NC	5-Chloro-o-toluidine /NH <sub>2</sub> =17	75,411
NC 1/	6-Chloro-o-toluidine	5 <b>,</b> 000 55
C NC 1/	4-Chloro-o-tolylmercaptoacetic acid	2,000 44
NC, NC 1/	6-Chloro-3,4-xylenol	42,125
$\begin{array}{ccc} \text{NC } \underline{1}/ & \underline{} \\ \text{NC } \underline{\overline{1}}/ & \underline{} \end{array}$	Cinnamic acidCompound EDM 383, STE 524	176 1,245
NC I/ NC I/	Concentrate RBS Copper inhibitor	6,614 1,433
$\overline{\underline{I}}$	Corrosion controller	2,016
c, $\overline{N}$ c, NC $\underline{1}$ /	Coupler 1, 2, 4, 5, 6, 8, 11, 14, 16, 17, 22, 23, 25, 26, 27, 29, 32, 37, 40, 41, 42, 44, 47, 50,	·
<b>G</b> .÷	51, 53, 55, 111, III, XII, SA688	28,735 178,937
NC <u>1</u> /	o-Cresol	229
C NC <u>1</u> /	p-CresolCresol, formaldehyde, sulfanilic acid	25 3,960
C - NC 1/	Cresylic acid	13,800 27,778
		219110

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quan ti ty
		Pounds
C NC 1/C, NC 1/C C C, 2/NC, NC 1/C NC NC, NC 1/NC 1/NC 1/NC 1/NC 1/NC 1/NC C C C C C C C C C C C C C C C C C C	Cyclohexane	1,400 11,452 713,604 2,500 326,373 23,149 228,195 2,460 44,152 22,330 37,367 4,000 46,627 25,733 11,005 5,888 11,571 17,951 6,126 1,190 305,984 1,515 1,500 500
C NC, NC 1/ C NC 1/ C NC 1/ C NC 1/	2-Diazo-l-naphthol-5-sulfonic acid, sodium salt-Diazo salts and compounds, including stabilized 3, C106, 166, Diazo A, AK, ASI, ATBF4FC, AUBF4, AV, AVBF4, AVBF4FC, AW, AYBF4FC, B, BHBF4, C, D, D64ZN, D65ZN, D68, DBM, DM-21, DM56, DMT, DS4, D55, F, G, HC-1, HC-2, K, L, M-1, SA688FC, TBF4, W, W5279FC, W6614, W6614BF4FC, W6759, W6759BF4FC, W6858BF4FC, W6928, Z1282, Diazo 1, 2, 3, 5, 6, 6-V, 8, 13, 14, 44, 101, 102, 103, 104, 106, 108, 501-V, 1060	109

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		Pounds
C C, NC <u>1</u> / C NC NC NC <u>1</u> / NC NC <u>1</u> / C C	Dichloroanth raquinone	110 3,750
C	2,5-Dichlorosulfanilic acid $\sqrt{S0}_3=17$	34,257
C C C C C C C C C C C C C C	p,a-Dichlorotoluene	2,279 1,104 1,778 240 15,622 4,500 4,028
C NC C C NC N	salt	

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
,		Pounds
NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ NC C C C C C C C C C C C C C C C C C C	N-(Dimethylaminopropyl)iminodibenzyl hydro- chloride	1,499 4,625 500 85 500 298 63,300 4,120 3,018 110 7,857 92,645 4,410 41,887 83,487 1,910 12,760 272 4,250 200 220 6,089 7,162 5,000 9,971 2,805 220 5,809 441 3,265 444 25 2,070 7,633 79,366 1,290 300
		مطالها

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

00110000	4, 1410 = , 1500, 1110 = , 1	
Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quanti ty
		<u>Pounds</u>
NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ NC 1/	Fur scouring agent WNL	264 562 3,527 38 840 377 47
NC <u>I</u> / C	a,a,a,a',a',a'-Hexachloro-m-xylene	163 200
C C NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ NC C	a,a,a,a',a',a'-Hexachloro-p-xylene	450 741,025 1,769 300 1,287 3,429
C C NC 1/ NC 1/ NC 1/ C NC 1/	p-Hydroxybenzoic acid	4,575 109,328 500 16,880 22,525 15,523 1,506
NC C	3-Hydroxyethylamino-4-ethoxyacetanilide	7,547
NC 1/ C, NC 1/ C NC C C	carbamoyl7-phenoxyacetic acid	220 2,753 26 3,300 432,300 100 4,000 14,307 1,272
NC 1/	Iminodibenzyl	1,323

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive		
status (C =		
competitive;	Intermediate	Quantity
NC = non-	Intermediate	e, access out of
competitive)		D : 1
		Pounds
	Implenal AP	25,650
NC 1/	Indandione	52,361
c, NC	Inhibitor GFN	264
NC	Travel on DD	3,245
NC, NC $\underline{1}$	Tagagan CF 3	22,046
NC C	Tarada ah an	6,614
C	Isocvanic acid. phenyl ester	1,499
NC 1/	Isocyanic acid, phenyl ester	7,275
c, NC 1/	l. l.I_Tgopropylidenedinheno! (BlSDNeNOL A)	30,060
c, NC I/	Tenquinoline	10,904
NC 1/	Jofrit	220 1,875
c -	Korenyl	1000
c, NC $\underline{1}$ /	Lake red C acid (2-Amino-5-chloro-p-toluene-	99,202
	sulfonic acid)	220
NC	Leuco-1,4,5,8-tetrahydroxyanthraquinone	219
C	Iimanol 3100 - 05	1,221
NC 1/	Tiggstan PR PRN	1,496
NC T	Turri can M_170	110
NC 1/	D-Insergic acid	34,832
$\frac{1}{1}$	MS 370 ),29	104
C =	Mercaptobenzimidazole	110
C	Metanilic acid	150,056
NC	(o-Methoxyphenyl)acetonitrile	97
NC, NC $1/$	4-Methoxy-m-phenylenediamine	21,183
C –	4-Methoxy-m-phenylenediamine sulfate	5,129 220
$\overline{NC}$ $\overline{1}$	N-Methylaniline	86,383
C	5-Methyl-o-anisidine /NH2=1/ (Cresidine)	۲ مهم
NC	2-Methyl-p-anisidine $\sqrt{N}H_2=1/$	5,968
NC 1/	Methylchlorophenoxybutyric acid, sodium salt	68,502
c —	4-/N-Methyl(cyanoethyl)amino/benzaldehyde	340
NC $1/$	Methylcyclohexanol acetate	36,840
c, $\overline{N}$ c, $\overline{N}$ c $\underline{1}$	Methylcyclohexanone	2,504
NC	4,4'-Methylenebis(cyclohexylamine)	4,002
C	Methylketol	4,002
C ·	p-(3-Methy1-5-0x0-2-pyrazotin-1-y1) benzene- sulfonic acid	2,042
	Surroure acta	- y - <del></del> -
		SEA COLOR

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Scheame	the rare in the summing combe erer to per one and	Ourumuda
Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		Pounds
NC 1/ C C C NC 1/ NC NC NC C NC 1/ NC C NC 1/ NC NC C NC NC C C	2-(3-Methyl-5-oxo-2-pyrazolin-l-yl)naphthalene- 5,7-disulfonic acid	1 470
C	2,7-Naphthalenedisulfonic acid, disodium salt	100
NC 1/ NC C NC 1/	1-Naphthalenesulfonic acid, salt 1-Naphthalenesulfonic acid, sodium salt 1,3,6-Naphthalenetrisulfonic acid, sodium salt 1,3,6-Naphthalenetrisulfonic acid, trisodium salt	2,200 2,200 11,065 5,3144
C	1,3,6(and 1,3,7)-Naphthalenetrisulfonic acid sodium salt	13,598
C C	Naphthalic anhydride	4,410 18,375
NC 1/ C C, NC	Naphthionate - T	176 55,495 18,180
C	(G salt)	68,665
NC <u>1</u> / C C	(R salt)	232,760 4,892 89,480 36,657
NC 1/	Naphtholsulfonic acid pyrazolone	2,981
NC <u>1/</u> C, NC <u>1</u> /	(Schaeffer's salt)	64,846 15,898 2,057

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		<u>Pounds</u>
C C C	2-Naphthylamine	1,278 3,796 4,204 2,601
NC <u>1</u> / C C C	Ninhydrin spray reagent	3,000
C C	5-Nitro-o-anisidine $NH_2=17$ 2-Nitro-p-anisidine $NH_2=17$	3,500
C C C	5-Nitro-4-anisidine p-Nitrobenzaldehyde p-Nitrobenzoic acid Nitronaphthol (5-nitro-1-diazo-2-naphthol-4-	10,000 25 155,745
C NC	sulfonic acid) o-Nitro-p-phenylenediamine	- 5,080 622
NC 1/ C, NC 1/ C	2-Nitrosathylbenzol	747,938 1,250
C C	5-Nitro-o-toluidine $\sqrt{N}H_2=1/$	- 15,051
NC 1/ NC 1/ C	Norit A Oxitan 5-0xo-l-phenyl-2-pyrazoline-3-carboxylic acid,	2,204
C C	ethyl ester	_ 607
C C NC 1/	o-Phenetidine	- 13,155 - 47,464 - 110
NC 1/ C	Phenol methanol reagent Phenoxyacetic acid Dl-Phenylalanine	- 1 /00

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		<u>Pounds</u>
NC 1/ C C C C C C	p-Phenylazoaniline Phenylcarbethoxypyrazolone m-Phenylenediamine o-Phenylenediamine p-Phenylenediamine l,3-Phenylenediamine-4-sulfonic acid Phenyl ether	44 14,432 21,538 40,723 30,096 311 221
C	Phenylhydrazine	32,771
С	1-Phenyl-3-methyl-5-pyrazolone-4-β-oxyethyl- sulfone	6,310
C C	N-Phenyl-2-naphthylamine	3,263
	Phenylsuccinic acid	1,319 709
C	Phenylsuccinic acidPhloroglucinol	9,020
NC 1/	Phthalimide	1,1,
C NC 1/	Phthalocyanine crude, copper salt Phthalonitrile	10,412
NC <u>1</u> /	Picolinaldehyde oxime	66,146 775
NC <u>1</u> /	Pigment Red 3B Base	4,340
C	Polyalkylbenzene	725,477
NC 1/	Polypropylene Red Brown II	198
NC 1/	Presomet B	13,440
$C$ , $\overline{N}C$ , $NC$ 1/	Product 5, 5D, 8, 8R, 9, 14, 14TD, 139B, 586,	3,800
C NC, NC 1/	675 H, 844, 1242, 1250, 1251B, M, PB102 Pyrazole-4-carboxylic acid	16,904 4,002
C 10, 10 ±/	3-Pyridinol	5,200 440
C, $NC 1/$	Pyrocatechol	99,166
NC 1/	Pyrocatechol diethyl ether	45
C C	Pyrocatechol, monomethyl ether	150
C	2,4-Quinolinediol and sodium saltQuinolinol	952 1,653
Ö	8-Quinolinol	4,961
C	8-Quinolinol, copper salt	2,250
C NO 1	8-Quinolinol sulfate	1,171
NC 1/ NC	Raschit liquid	882
C, NC 1/	α-Resorcylic acid	988

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quanti ty
***************************************		Pounds
NC C, NC, NC 1/ C, NC NC 1/ NC NC 1/ NC 1/ NC C	Rubber-processing chemicals: Antioxidants: Antioxidant KSM Antioxidant PCD	66 6,701 4,794 66 110 968 1,100 1,320 110 55 20 4,002 23,419 209
NC 1/ NC 1/ NC 1/ C C C NC, NC 1/	Accelerator DB 1	993 749 661 6,359 120,090 13,700 12,210 197,702
NC 1/ NC 1/ C C NC 1/ C, NC C, NC C	Sevriton	56 129 5,695 132 1,710 1,269 4,336 2,616 10,489 1,592 2,096

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		Pounds
C NC NC 1/NC 1/NC 1/NC 1/NC 1/NC 1/NC 1/	4-Sulfophthalic acid————————————————————————————————————	5,047 970 29 10,764 40 13,600 3,160 2,204 12,457 30,864 3,001 50 42,222 30,313 33,101 3,892 11,048 36,431 5,078 11,034 423,315 17,494 56,526 110 110,203 7,912 551 58,394 1,604 715 44,080 2,873 110
C C NC <u>1</u> /	2,4,5-Trichlorophenoxypropionic acid	110 74,626 19,841 200 4,410

Table 3.--Benzenoid intermediates: U.S. general imports entered under Schedule 4, Part 1B, TSUS, showing competitive status, 1964--Continued

		op-majoropuscings-recognic and majori was warned to be a find by the state of
Competitive status (C = competitive; NC = non- competitive)	Intermediate	Quantity
		<u>Pounds</u>
NC 1/ NC 1/ C, NC 1/ C, NC 1/ C, NC, NC 1/ NC 1/ NC, NC 1/ NC, NC 1/ NC, NC 1/ NC, NC 1/ NC 1/ N	Trimethylcyclohexanol	44 3,750 517 2,577  14,332 100 17,662 880 5,040 221 267,947 400 274,422 4,600 1,000 84,682 11,959 9,921 7,301

<sup>1/</sup> Duty based on foreign, export, or constructed value.

<sup>2/</sup> Competitive status of one or more entries not available.
3/ Some of these diazo salts and compounds will be classified under fast color salts, in item 406.80, Schedule 4, Part 1C, TSUS. (T.D. 56372 (12), March 4, 1965). The Treasury Decision of March 4, 1965, was not available in sufficient time to allow reappraisement and reclassification of the 1964 imports.

Imports Under Schedule 4, Part 1C, TSUS (Finished Benzenoid Products)

All the chemicals provided for in Schedule 4, Part 1C, TSUS are finished benzenoid products derived chiefly from benzenoid crudes and intermediates. They include such groups as dyes, azoic dye components, synthetic organic pigments, medicinals and pharmaceuticals, flavor and perfume materials, synthetic resins, explosives, photographic chemicals, and synthetic tanning materials. A number of groups of finished benzenoid products which were not specially provided for under paragraph 28 of the Tariff Act of 1930 are now included in this section. These groups, which include fast color bases, fast color salts, naphthol AS and derivatives, pesticides, and textile assistants, were previously classified as intermediates.

Imports in 1964 of all finished benzenoid products that are dutiable under Part 1C comprise 2,292 listed items, with a total weight of 23.7 million pounds and an invoice value of \$34.7 million (see table 4). There were 720 products which were appraised as "competitive"; these items accounted for 61 percent of the total quantity and 39 percent of the total invoice value of imports of all finished products in 1964 (see table 4). In 1963, imports consisted of 2,005 items, with a total weight of 20.1 million pounds and an invoice value of \$31.0 million. The figures for 1963 have been revised according to the TSUS classifications which became effective August 31, 1963.

Imports of finished benzenoid products by principal trading areas in 1964 are shown in the tabulation below. Imports from the EEC were principally dyes and medicinals from Germany; imports from EFTA were principally dyes and medicinals from Switzerland and the United Kingdom.

<u>Area</u>	Pounds	Invoice value	Unit invoice value
European Economic Community European Foreign Trade	10,887,754	\$12,220,847	\$1.12
AssociationAll other countries 1/	9,769,104 3,025,338	19,247,326 3,202,052	1.97
Total	23,682,196	34,670,225	1.46

<sup>1/</sup> Principally Japan, Canada, and Poland.

Table 4.--Finished benzenoid products: Summary of U.S. general imports entered under Schedule 4. Part 10. TSUS, by competitive status. 1964

under Schedule 4, Part 10, 1505, by competitive status, 1904						
Status	Number of products	Quantity	Percent of total quantity	value	Percent of total value	Unit value
	:	Pounds		: Dollars :		<b>?</b>
	:		'	¢ .		
Competitive	:	:			:	!
(duty based		:	!	•		•
on American	:			6		•
selling		- 1 100 077	(0.0	;		# A A A I
price)		: 14,422,311	60.9	: 13,559,419	39.1	։ \$0.9և
Noncompetitive		:			•	•
(duty based	:					
on U.S.	י יי סריז	. 7777 <b>0</b> 90	20.0	. 71. 266 702 .	. 1.7 H	. 2 02
value)		7,111,280	30.0	: 14,366,723	41.5	2.02
Noncompetitive				ē a		
(duty based on foreign			8	e e	• •	•
or export	•	<u>.</u>	é a	e e	•	•
value)	263	2,036,856	8.6	: 6,598,5 <b>3</b> 9 :	19.0	: 3.24
Competitive	• 20) ·			· • • • • • • • • • • • • • • • • • • •	/.	. D.C.4
status not	•	•	•	•	£ .	•
available	58 :	111,749	5	: 145,544	. 4	1.30
Grand total	2,292	23,682,196	100.0	: 34,670,225	100.0	: \$1.46

In terms of quantity, about 40 percent of all finished benzenoid products imported in 1964 came from West Germany (see table 5). Imports from West Germany in that year amounted to 9.4 million pounds, compared with 8.2 million pounds in 1963. Imports from Switzerland totaled 4.5 million pounds in 1964 compared with 3.5 million pounds in 1963. Imports from the United Kingdom amounted to 4.4 million pounds compared with 2.2 million pounds in 1963. Imports from Japan totaled 1.5 million pounds in 1964, compared with 1.1 million pounds in 1963; and imports from Canada amounted to 859,000 pounds in 1964, compared with 1.1 million pounds in 1963. Sizeable quantities of finished benzenoid products also were imported in 1964 from Poland (606,000 pounds), Denmark (480,000 pounds), Sweden (437,000 pounds), and Italy (434,000 pounds). Smaller quantities came from Belgium (403,000 pounds), and the Netherlands (398,000 pounds).

Table 5.--Finished benzenoid products: U.S. general imports entered under Schedule 4, Part 1C, TSUS, by country of origin, 1964 and 1963

:	1964			1963 <u>1</u> /		
Country :	Quantity	: Percen : of tota : quantit	1:	Quantity	: Percent : of total : quantity	
:	Pounds	:	:	Pounds	:	
West Germany: Switzerland: United Kingdom: Japan: Canada: Poland: Denmark: Sweden: Italy: Belgium: Netherlands: All other	9,403,784 4,456,528 4,394,135 1,499,024 858,797 605,811 479,942 436,934 433,617 402,909 398,341 312,374	39.8 : 18.8 : 18.6 : 6.3 : 3.6 : 2.6 : 2.6 : 1.8 : 1.7 : 1.7		8,156,931 3,468,622 2,220,431 1,875,918 1,143,443 618,630 746,203 273,459 314,462 180,351 438,521 671,820	: 40.6- : 17.3 : 11.0 : 9.3 : 5.7 : 3.1 : 3.7 : 1.3 : 1.6 : 0.9 : 2.2 : 3.3	
Total:	23,682,196	: 100.0	:	20,108,791	: 100.0	
Total Invoice : Value:	\$34,670,225	: -	:	\$30,992,423	: : : : -	

l/ Figures revised to include imports of fast color bases, fast color salts, naphthol AS and derivatives, pesticides, and textile assistants to establish comparability with the TSUS classification which became effective August 31, 1963.

In 1964, the most important group of finished benzenoid products imported was benzenoid dyes (see table 6). Imports of dyes amounted to \$16.3 million (invoice value), or 46.9 percent of the value of all imports under Part 1C. In 1963, imports of dyes amounted to \$12.5 million (invoice value), or 40.5 percent of the value of all imports under Part 1C. In 1964, about two-thirds of the imported dyes were "noncompetitive"; the rest were "competitive".

Imports of medicinals and pharmaceuticals, the next most important group of products entered under Part 1C in 1964, were about 4 percent less in that year than in 1963 and 1962. In 1964, imports of medicinals and pharmaceuticals were valued at \$9.8 million (invoice value), or 28.2 percent of the total value of imports under Part 1C. In 1963, imports of medicinals and pharmaceuticals were valued at \$10.2 million, or 38 percent of total value of imports under Part 1C. In 1964, about seven-tenths of the imports of medicinal and pharmaceutical products were "noncompetitive"; the rest were "competitive".

The invoice value of imports of benzenoid pigments (toners and lakes) almost doubled in 1964 compared with 1963. In 1964, imports of these products were valued at \$1,128,000, compared with \$616,000 in 1963, and \$1,058,000 in 1962. In 1964, about four-fifths of the imported pigments were "noncompetitive"; the rest were "competitive".

Imports of benzenoid flavor and perfume materials in 1964 (\$2,312,000) were 19 percent less than in 1963 (\$2,862,000), and 5 percent greater than in 1962 (\$2,206,000). In 1964, 96.7 percent of the imports of flavor and perfume materials were "competitive" (duty based on "American selling price"). In 1964, imports of other benzenoid products entered under Part 1C (chiefly synthetic resins and pesticides) were valued at \$5.2 million, compared with \$4.8 million (revised) in 1963. In 1964, about three-fourths of these products were "noncompetitive"; the rest were "competitive".

Table 6.--Finished benzenoid products: Summary of U.S. general imports entered under Schedule 4. Part 1C, TSUS. by major groups and competitive status, 1964

	: products	•	value	value
	•	Pounds		Per pound
Orro a •	:			:
Dyes: Competitive (duty based	•	•	•	•
on American selling	•	•		•
price)	• 539	: 5,593 <b>,8</b> 70 :	\$ 5, <b>2</b> 94,919	\$0.95
Noncompetitive (duty	))) :	:	:	:
based on U.S. value)	: 1,043	: 4,421,456	: 10,779,720	2.44
Noncompetitive (duty	:	:	:	•
based on foreign or	:	:	:	•
export value)	<b>:</b> 55	: 60,203	: 149,589	2.48
Competitive status not	:			•
available	: 25	20,007	: 36,876	: 1.84
Benzenoid pigments				
(Toners and lakes):			•	:
Competitive (duty based on American selling	•	,	•	•
price)	• 39	251,569	230,809	.92
Noncompetitive (duty	:	: 271,707	200,000	• • • • • •
based on U.S. value)	: 131	431,218	894,930	2.08
Noncompetitive (duty	:	10 - 1	:	
based on foreign or	:	:	•	9
export value)	: 15	: 1,149	: 1,514	1.32
Competitive status not	:		•	
available	<b>:</b> 5 :	575	901	1.57
Medicinals and pharma-	e 5	n .	•	:
ceuticals:				•
Competitive (duty based			•	•
on American selling price)	73	: 2,650,739	: : 3,033,933	1.14
Noncompetitive (duty	·	ا و ۱ و ۱ و ۱ و ۱ و ۱ و ۱ و ۱ و ۱	• 2,022,722	• T•T#
based on U.S. value)	32	219,941	: 1,451,533	6.60
Noncompetitive (duty	:	>,>	:	:
based on foreign or	:	:		•
export value)	: 122	253,516	5,234,028	: 20,65
Competitive status not	: :	:	:	•
available	: 4 :	2,780	: 44,166	: 15.89
lavor and perfume	:	:		:
materials:		'	:	
Competitive (duty based	;	'	• •	•
on American selling price)	;	7 FOK 020 :	i nakaba	: 7 1 ^
bride)	33	1,596,239	2,236,243	1.40

Table 6.--Finished benzenoid products: Summary of U.S. general imports entered under Schedule 4, Part 1C, TSUS, by major groups and competitive status, 1964--Continued

competitive status, 1904Continued							
Class of product	Number of products	: Quantity	Invoice value	Unit value			
:		Pounds		Per pound			
Flavor and perfume : materialsContinued :	·	•	: :	: :			
Noncompetitive (duty : based on U.S. value): Noncompetitive (duty :	5	: 715 :	; \$ 3,030 ;	\$4.24 :			
based on foreign or : export value): Competitive status not : available: Other products: : Competitive (duty based : on American selling :	19	: 11,333	57,989	5.12			
	14	5,256 ·	14,279	2.72			
	2/	:	: : . מילא לחל	: : .64			
price): Noncompetitive (duty : based on U.S. value):	36 40	: 4,329,894 : : 2,037,950	: 2,763,515 : 1,237,510	: .04 : .61			
Noncompetitive (duty based on foreign or	•	:	•	•			
export value): Competitive status not	52 20	: 1,710,655 : 83,131	: 1,155,419 : 49,322	: .68 : .59			
availableGrand total	2,292	23,682,196	\$34,670,225	\$1.46			
:		•	:	:			
:		6	•	*			
	· !	•	•	6 6			
:		0	•	•			

Note.—The unit values shown for imports of the groups of finished benzenoid products listed in table 6 are weighted averages. The numerous individual finished benzenoid products that comprise each group vary widely in quality and unit value.

#### Benzenoid dyes

In 1964, the total quantity of benzenoid dyes imported into the United States was 10.1 million pounds, valued at \$16.3 million (invoice value), compared with 8.9 million pounds, valued at \$12.6 million in 1963—an increase of 13.2 percent in terms of quantity and 29.5 percent in terms of value. 1/

Table 7 shows total dye imports by class of application and by competitive status. Four classes of dyes accounted for about two-thirds of all the benzenoid dyes imported in 1964. Imports of vat dyes in 1964 totaled 2.7 million pounds, compared with 3.2 million pounds in 1963 (see footnote 4 at the end of table 9). Imports of acid dyes in 1964 totaled 2.1 million pounds, compared with 1.7 million pounds in 1963. Imports of direct dyes in 1964 totaled 1.0 million pounds, compared with 950,000 pounds in 1963. Imports of basic dyes in 1964 amounted to 1.0 million pounds, compared with 456,000 pounds in 1963, an increase of over 100 percent. Of the remaining important classes of dyes, imports of disperse dyes in 1964 increased 100 percent and amounted to 900,000 pounds, compared to 454,000 pounds in 1963.

In 1964, imports of "competitive" dyes (duty based on "American selling price") amounted to 5.6 million pounds, valued at \$5.3 million, compared with 4.9 million pounds, valued at \$4.0 million in 1963. Imports of "noncompetitive" dyes in 1964 totaled 4.5 million pounds, valued at \$10.9 million, compared with 3.9 million pounds, valued at \$8.4 million in 1963. In 1964, imports of "competitive" dyes accounted for 55.4 percent of the total quantity and 32.6 percent of the total invoice value of all imported dyes.

In 1964, the most significant changes in the composition of imports of "competitive" dyes were in the basic, disperse, and acid dyes. Imports of basic dyes were 111 percent larger than in 1963, disperse dyes were 88 percent larger, and imports of acid dyes were 30 percent larger in 1964. The most significant changes in the composition of imports of "noncompetitive" dyes in 1964 were in the basic, disperse, acid, and vat dyes. Imports of basic dyes were about 153 percent larger than in 1963, disperse dyes

<sup>1/</sup> The azoic dye components were formerly classified as intermediates in paragraph 27 of the Tariff Act of 1930. These components are now classified as dyes and related products under the provisions of the TSUS which became effective August 31, 1963. In order to have statistics comparable between 1963 and 1964, the figures on imports of dyes for 1963 have been revised to include azoic dye components.

Table 7.--Benzenoid dyes: U.S. general imports entered under Schedule 4. Part 1C, TSUS, by class of application, and by competitive status, 1962.

Quantity in pounds									
Class of application			Competitive status						
Class	Total imports	Percent: of: total:	Compe- titive	Noncom- petitive	Status n. a.				
AcidAzoic dyesAzoic components: 1/	2,092,201 14,271	.1:	13,320 :	1,360,034 : 951 :	3,420				
Fast color bases Fast color salts Naphthol AS and its			277,113 : 61,490 :	31,600 : 51,305 :					
derivatives Basic Direct Disperse Fiber-reactive Fluorescent brightening agents Mordant Solvent Sulfur	: 1,017,591 : 1,015,534 : 899,961 : 416,253 : 151,196 : 291,634 : 127,996 : 11,250	10.1 10.1 8.9 4.1 1.5 2.9 1.3	647,933 189,287 218,167 49,916 10,580 140,490 58,396 2,750	57,028 368,508 826,157 675,577 366,337 140,616 150,344 69,500 8,500 356,963	90 6,217				
VatAll other <u>2</u> /				18,239	<u> </u>				
Total	10,095,536	100.0	5,593,870	4,481,659	20,007				
Total (invoice value)	: :\$16,261,104	: : : -	: : :\$5,294,919	: :\$10,929,309	: :\$36,876				
Averaged unit values	\$1.61	: -	\$0.95	\$2.44 :	\$1.84				

<sup>1/</sup> Formerly included with intermediates.

were 100 percent larger, and acid dyes 20 percent larger. Imports of vat dyes, on the other hand, were about 54 percent smaller in 1964 than in 1963.

The average unit invoice value of imported "competitive" dyes in 1964 was \$0.95 a pound (see table 6), compared with \$0.82 (revised) a pound in 1963. The average unit value for "noncompetitive" dyes in 1964 was \$2.44 a pound, compared with \$2.10 a pound in 1963. In 1964, the unit values of most of the classes of "noncompetitive" dyes were higher than those of the corresponding "competitive" dyes. The unit values shown in this report for the various classes of benzenoid dyes are weighted averages. The numerous individual benzenoid dyes that comprise each class vary widely in quality and unit value.

<sup>2/</sup> Includes ingrain dyes.

U.S. imports of benzenoid dyes, by country of origin, are shown in table 8. In 1964, West Germany, Switzerland, and the United Kingdom were the principal suppliers; smaller quantities came from Japan, Italy, France, and Poland. Imports from West Germany, in 1964, totaled 4.3 million pounds, or 43.1 percent of all the dyes imported, compared with 4.2 million pounds or 46.7 percent, in 1963. Imports from Switzerland totaled 3.6 million pounds in 1964, or 35.2 percent of the total, compared with 2.9 million pounds, or 32.7 percent of the total, in 1963. In 1964, imports from the United Kingdom amounted to 1.3 million pounds, or 12.6 percent of the total compared with 1.3 million pounds, or 14.1 percent of the total, in 1963. Imports from Japan, in 1964, totaled 535,000 pounds, or 5.3 percent of total imports, compared with 319,108 pounds or 3.6 percent of the total, in 1963.

Table 8.--Benzenoid dyes: U.S. general imports entered under Part 1C, TSUS by country of origin, 1964 compared with 1963

*	199	64	: 196	3 1/
Country :	Quantity	Percent of total quantity	: Quantity	Percent of total quantity
:	Pounds	•	Pounds	*
West Germany Switzerland United Kingdom Japan Italy France Poland All others 2/	1,273,067 535,430 151,559 90,999 90,403	35.2 12.6 5.3 1.5 0.9	: 54,055 : 88,888 : 25,397	: 32.7 : 14.1 : 3.6 : 0.6 : 1.0 : 0.3
Total:	10,095,536	100.0	: : 8,917,742 :	: 100.0

l/ Revised to include azoic dye components formerly classified as intermediates.

Table 9 shows U.S. imports of individual dyes in 1964, grouped by class of application. The table also shows the competitive status of each dye, when available, and the Colour Index name, when known.

<sup>2/</sup> Consists principally of imports from the Netherlands and Spain.

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964

C	omberrorse scargs where avarrance, rach	
Competitive status (C = competitive; NC = non-competitive)	руе	Quantity
		Pounds
	ACTE DIFFE	
	ACID DYES	
C	Acid Yellow 7	11,700
C	Acid Yellow 11	2,250
C	Acid Yellow 17	1,500
C	Acid Yellow 18	500
NC	Acid Yellow 19	6,038
C	Acid Yellow 23	1,000
C	Acid Yellow 25	1,750
C	Acid Yellow 29	500
C	Acid Yellow 40	750
C	Acid Yellow 44	100
	Acid Yellow 49	200
NC, NC $\underline{1}$	Acid Yellow 50	914
NC	Acid Yellow 54	3,750
C	Acid Yellow 59	4,750
C	Acid Yellow 61	8,333
C	Acid Yellow 64	1,980
NC	Acid Yellow 70	1,175
NC NC 7	Acid Yellow 75	5,951
NC, NC <u>1</u> /	Acid Yellow 79	80,327
NC	Acid Yellow 96	400
C	Acid Yellow 99	500
C	Acid Yellow 101	688
NC NC	Acid Yellow 103	1,752
NC	Acid Yellow 103	3,418
C	Acid Yellow 104	1,653
NC NC	Acid Yellow 110	4,594
NC	Acid Yellow 116	20,000
C	Acid Yellow 118	7,000
C	Acid Yellow 119	1,650
C, NC	Acid Yellow 121	1,000
C C	Acid Yellow 124	429
NC	Acid Yellow 127	13,125
NC NC	Acid Yellow 131	5,786
	Acid Yellow 136	1,300
NC	Acid Yellow 139	250
NC NC 3 /	Acid Yellow 149	8,250
NC, NC <u>1</u> /	Acid Yellow 158	6,950
NC C NC	Acid Orange 3	
C, NC	Acto Urange 3	7,915

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

***************************************	ocurbo of office a granta milete a graffante, 13040011FIUNEG	
Competitive status (C = competitive;     NC - non-competitive)	Dye	Quantity
		Pounds
	ACID DYESContinued	
C	Acid Orange 10	, LO3
C C	Acid Orange 10 Acid Orange 19	502 882
NC	Acid Orange 27	75
C	Acid Orange 28	7,497
NC	Acid Orange 33	250
NC	Acid Orange 43	882
NC	Acid Orange 47	15,183
C	Acid Orange 51	750
NC	Acid Orange 67	552
C	Acid Orange 74	12,900
C	Acid Orange 80	9,480
C	Acid Orange 85	18,737
C	Acid Orange 87	7,097
NC	Acid Orange 89	450
NC, <u>2</u> /	Acid Orange 94	12,897
NC	Acid Orange 102	3,775
C	Acid Red 6	1,200
C	Acid Red 32	500
C	Acid Red 37	36
C C	Acid Red 42	1,050
NC	Acid Red 50	1,010
C	Acid Red 52	100
C	Acid Red 57	11,232
Č	Acid Red 58	882
Č	Acid Red 73	500
NC	Acid Red 82	650
C	Acid Red 85	740
С	Acid Red 92	100
С	Acid Red 99	. 25
NC	Acid Red 108	1,000
NC	Acid Red 110	132
NC	Acid Red 111	2,161
C .	Acid Red 114	1,400
NC	Acid Red 116	750
NC	Acid Red 118	6,357
С	Acid Red 119	7,714
NC	Acid Red 123	1,250

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

NC	Competitive status (C = competitive; NC = non- competitive)	Dye		Quantity
NC       Acid Red 127       2,075         NC       Acid Red 130       20,9k7         NC       Acid Red 131       11,022         C       Acid Red 131       75         NC       Acid Red 134       37         NC       Acid Red 134       2,53         NC       Acid Red 145       25,63         NC       Acid Red 145       25,63         NC       Acid Red 155       1,0k         NC       Acid Red 155       1,1k         NC       Acid Red 158       2,75         NC       Acid Red 158       2,75         NC       Acid Red 168       2,75         NC       Acid Red 17k       5,23         NC       Acid Red 180       2,75         NC       Acid Red 180       30         C       Acid Red 186       1,00         NC       Acid Red 180       1,33         NC       Acid Red 198       1,33         NC       Acid Red 219       3,34         NC       Acid Red 219       3,34         NC       Acid Red 211       3,34         Acid Red 217       3,35       3,35         NC       Acid Red 2216       3,35				Pounds
NC         Acid Red 127         2,075           NC         Acid Red 130         20,947           NC         Acid Red 131         11,023           C         Acid Red 131         75           NC         Acid Red 134         37           NC         Acid Red 134         2,53           NC         Acid Red 145         25,63           NC         Acid Red 145         20,04           NC         Acid Red 134         37           NC         Acid Red 145         25,63           NC         Acid Red 145         20,04           NC         Acid Red 155         1,04           NC         Acid Red 155         1,04           NC         Acid Red 158         2,75           NC         Acid Red 158         2,75           NC         Acid Red 158         2,75           NC         Acid Red 168         2,75           NC         Acid Red 174         5,23           NC         Acid Red 180         1,00           NC         Acid Red 198         1,33           NC         Acid Red 299         1,33           NC         Acid Red 219         3,33           NC <td< td=""><td></td><td></td><td>. ,</td><td></td></td<>			. ,	
NC         Acid Red 129         2,075           NC         Acid Red 130         11,025           NC         Acid Red 131         75           NC         Acid Red 133         75           NC         Acid Red 134         2,53           NC         Acid Red 143         25,63           NC         Acid Red 145         20           NC         Acid Red 154         20           NC         Acid Red 155         1,04           NC         Acid Red 158         2,73           NC         Acid Red 158         20           NC         Acid Red 158         1,04           NC         Acid Red 158         2,05           NC         Acid Red 168         2,75           NC         Acid Red 168         2,75           NC         Acid Red 168         3,00           NC         Acid Red 180         1,00           NC         Acid Red 186         1,00           NC         Acid Red 219         1,33           NC         Acid Red 219         3,30           NC         Acid Red 215         3,30           NC         Acid Red 217         3,30           NC         Acid Re		ACID DYES Conti	inued	
C Acid Red 249	NC N	Acid Red 127		8,808 2,075 20,947 11,023 750 375 2,533 6,833 25,634 200 1,040 1,425 1,400 2,755 5,236 300 1,000 4,563 1,334 18,994 2,204 3,306 3,050 4,000 2,750 2,000 2,480 6,065
	NC NC NC	Acid Red 260 Acid Red 263 Acid Red 276		4,95 2,71 46

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

C	combectoring agains where avaitable, 1304confirmed	,
Competitive status (C = competitive; NC - non-competitive)	Dye	Quantity
		Pounds
	ACID DYESContinued	
NC	Acid Red 289	1,500
NC	Acid Red 303	551
NC	Acid Red 305	500
C	Acid Violet 1	250
NC	Acid Violet 5	912
C	Acid Violet 7	258
NC	Acid Violet 11	300
C	Acid Violet 14	2,755
NC	Acid Violet 15	667
NC	Acid Violet 19	5,050
C	Acid Violet 21	500
NC	Acid Violet 31	2,204
NC	Acid Violet 33	1,450
NC	Acid Violet 34	5,500
NC	Acid Violet 36	1,558
NC .	Acid Violet 41 Acid Violet 42	7,740 1,550
NC	Acid Violet 46	350
C NG 0/	Acid Violet 48	9,816
NC, <u>2</u> /	in the state of th	11,021
NC	Acid Violet 54 Acid Violet 56	300
C	Acid Violet 58	100
NC C	Acid Violet 66	1,323
NC	Acid Violet 68	875
NC	Acid Violet 70	500
NC	Acid Violet 73	992
NC	Acid Violet 74	Í Śc
NC	Acid Violet 75	1,378
NC	Acid Violet 95	35C
C	Acid Blue 5	1,100
Č	Acid Blue 7	1,722
C	Acid Blue 15	3,307
Č	Acid Blue 23	2,646
C.	Acid Blue 25	3,607
C	Acid Blue 27	1,850
Č	Acid Blue 34	552
Č .	Acid Blue 35	5,075
C, NC	Acid Blue 41	6,888
,	·	

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	ACID DYES Continued	·
C	Acid Blue 45	5,005
NC	Acid Blue 52	6,173
NC	Acid Blue 51	10,766
C, NC	Acid Blue 59	1,377
NC	Acid Blue 60	5,952
NC	Acid Blue 61	2,425
C	Acid Blue 62	5,279 1,050
NC	Acid Blue 66	19,586
C, <u>2</u> /	Acid Blue 67 Acid Blue 72	14,364
NC, NC 1/	Acid Blue 77	250
C C	Acid Blue 78	9,260
NC	Acid Blue 82	1,213
C	Acid Blue 83	11,664
Č	Acid Blue 90	2,150
C	Acid Blue 92	255
C	Acid Blue 93	1,102
NC	Acid Blue 98	9,000
С	Acid Blue 106	5,255
NC	Acid Blue 109	1,750
NC	Acid Blue 112	3,000
C	Acid Blue 113	3,250
C	Acid Blue 122	750
NC	Acid Blue 126	882
NC NC 1	Acid Blue 127	25,208
NC, NC <u>1</u> / NC	Acid Blue 129	12,639
C	Acid Blue 130	350
NC	Acid Blue 131	882
NC	Acid Blue 133	3,000
NC	Acid Blue 13/1	2,450
NC	Acid Blue 142	2,623
NC	Acid Blue 143	3,306
NC .	Acid Blue 147	2,194
NC	Acid Blue 148	881
NC	Acid Blue 150	8,500
C, NC	Acid Blue 151	3,650
С	Acid Blue 154	ا روی و

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

NC	Competitive status (C = competitive; NC = non-competitive)	Dye	Quantity
NC         Acid Blue 156         2,000           NC         Acid Blue 166         1,103           NC         Acid Blue 170         2,125           NC         Acid Blue 171         3,775           NC         Acid Blue 181         5,512           NC         Acid Blue 182         2,362           NC         Acid Blue 183         17,750           NC         Acid Blue 184         4,001           C         Acid Blue 185         26,000           NC         Acid Blue 186         276           NC         Acid Blue 187         8,210           NC         Acid Blue 188         22,04           C         Acid Blue 188         2,204           C         Acid Blue 197         250           C         Acid Blue 198         13,000           C         Acid Blue 203         3,500           NC         Acid Blue 204         1,110           C, NC         Acid Blue 205         5,500           NC         Acid Blue 205         5,500           NC         Acid Blue 214         1,750           NC         Acid Blue 215         33,800           NC         Acid Blue 225         551			Pounds
NC       Acid Blue 166       1,103         NC       Acid Blue 170       2,125         NC       Acid Blue 171       3,775         NC       Acid Blue 181       5,512         NC       Acid Blue 182       2,362         NC       Acid Blue 183       17,750         NC       Acid Blue 184       4,001         C       Acid Blue 185       26,000         NC       Acid Blue 186       276         NC       Acid Blue 186       276         NC       Acid Blue 186       2,204         NC       Acid Blue 187       8,210         NC       Acid Blue 198       2,204         C       Acid Blue 197       250         C       Acid Blue 198       13,000         C       Acid Blue 203       3,500         NC       Acid Blue 204       1,110         C, NC       Acid Blue 205       5,500         NC       Acid Blue 209       1,750         NC       Acid Blue 215       33,800         NC       Acid Blue 215       33,800         NC       Acid Blue 221       1,250         NC       Acid Blue 222       2,204         NC <t< td=""><td></td><td>ACID DYESContinued</td><td></td></t<>		ACID DYESContinued	
NC Acid Green 26 100	NC N	Acid Blue 166 Acid Blue 170 Acid Blue 171 Acid Blue 181 Acid Blue 181 Acid Blue 182 Acid Blue 183 Acid Blue 184 Acid Blue 185 Acid Blue 186 Acid Blue 187 Acid Blue 187 Acid Blue 188 Acid Blue 188 Acid Blue 197 Acid Blue 198 Acid Blue 203 Acid Blue 203 Acid Blue 205 Acid Blue 205 Acid Blue 214 Acid Blue 215 Acid Blue 215 Acid Blue 227 Acid Blue 227 Acid Blue 227 Acid Green 1 Acid Green 7 Acid Green 19 Acid Green 20 Acid Green 22 Acid Green 21 Acid Green 22 Acid Green 21 Acid Green 22 Acid Green 22 Acid Green 21 Acid Green 22	1,103 4,209 2,125 3,775 5,512 2,362 17,750 4,001 26,000 276 8,210 2,204 250 13,000 1,500 1,750 1,500 33,800 450 100 7,160 2,000 5,500 2,469 6,509 21,926 1,000 2,500 2,500 2,750 2,750

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	ACID DYESContinued	
0	Acid Green 28	12,260
C NC	Acid Green 40	11,132
C	Acid Green 41	250
NC	Acid Green 43	4,249
C	Acid Green LL	20,250
NC	Acid Green 46	375
NC	Acid Green 48	1,102
C	Acid Green 50	250
NC	Acid Green 55	250
NC, NC $1/$	Acid Green 57	2,755
NC -	Acid Green 68	500
NC	Acid Brown 7	875
NC	Acid Brown 10	4,408
NC	Acid Brown 11	2,755
С	Acid Brown 13	100
NC .	Acid Brown 15	1,750
C	Acid Brown 19	850
NC	Acid Brown 21	2,002
NC	Acid Brown 27	300
NC	Acid Brown 28	11,904
NC	Acid Brown 30Acid Brown 33	18,500
NC	Acid Brown 44	7,717
NC	Acid Brown 46	3,857
NC NC	Acid Brown 48	4,959
NC NC	Acid Brown 50	5,250
NC	Acid Brown 58	114,641
NC	Acid Brown 67	2,755
NC	Acid Brown 75	750
C	Acid Brown 105	500
NC	Acid Brown 127	12,124
NC	Acid Brown 144	2,600
NC	Acid Brown 1/17	55,247
NC	Acid Brown 151	350
C	Acid Brown 159	350
NC	Acid Brown 163	250
NC	Acid Brown 165	2,300
NC	Acid Brown 187	1,653

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	ACID DYESContinued	
NC	Acid Brown 188	27,007
NC	Acid Brown 189	9,920
NC	Acid Brown 191	3,306
NC	Acid Brown 224	14,500
NC	Acid Brown 226	625
NC	Acid Brown 227	3,306
NC	Acid Brown 228	700
NC	Acid Brown 235	2,755
NC	Acid Brown 239	19,000
NC	Acid Brown 249	500
NC	Acid Brown 253	3,500
NC	Acid Brown 264	250
NC	Acid Brown 270	275
NC	Acid Brown 271	275
NC	Acid Brown 276	1,32
NC	Acid Brown 282	2,000
NC	Acid Brown 283	4,750
C	Acid Black 1	2,058
C	Acid Black 24	10,418
C	Acid Black 26	
C	Acid Black 29	1,970
C	Acid Black 31	40,462
NC	Acid Black 47	770
		553
NC	Acid Black 50	7,658
C NO	Acid Black 52	775
C, NC	Acid Black 61	12,300
NC G. NG	Acid Black 62	5,16
C, NC	Acid Black 63	15,25
NC	Acid Black 64	55
NC	Acid Black 67	20,16
NC	Acid Black 76	1,541
NC	Acid Black 77	34,781
NC	Acid Black 83	100
NC .	Acid Black 84	325
C	Acid Black 94	23,626
C	Acid Black 107	200,036
NC	Acid Black 108	750
NC	Acid Black 123	25

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive	
status (C = competitive; Dye NC = non-competitive)	Quantity
	Pounds
ACID DYESContinued	
NC Acid Black 127	4,875
NC   Acid Black 128	11,625
NG Acid Block 131	35,276
NC Acid Black 132	19,842
C   Acid Black 138	i
NC   Acid Black 139	900
1 Apid Black 740	( 4.050
NC Acilan Cvanine Brown GRL	210
C Alizarine Brilliant Sky Blue BLM	250
NC   Alizarine Brilliant Violet RW	450
NC Alizarine Light Blue HRL	6,283
NC Alizarine Pure Blue FFB	500
NC Alizarine Sky Blue 5 GLW	1,000
NC Aluminium Blue RL	350
	100
	800
	1,200
	300
	75
	300
TT	25
	500
I DATE	350
NC Aluminium Fast Red B3LW	500
NC Aluminium Golden Orange 2RL	100
NC Aluminium Gold MO NC Aluminium Red Brown R LLW	500
NC Aluminium Red Brown R LLW	250
NC Aluminium Steel Grey BM	
NC Aluminium Yellow G3LW	50
NC Aluminium Yellow G90	
C Amichrome Light/Dark Green JLL	100
NC Amichrome Light Olive BLL	7 744
NC Anodal Light Grey	1,766
NC. Avilon Fast Black B	500
NC Avilon Fast Navy Blue R	25
C Avilon Fast Red 3B	25
NC Avilon Fast Red 6B	25
NC Avilon Fast Scarlet 2R	25

Table 9.--Benzencid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1964Continued	L .
Competitive		
status (C =	To the state of th	Quantity
competitive;	Dye	Quantity
NC = non-		
${\tt competitive})$		
		Pounds
	ACID DYES Continued	
NC	Avilon Fast Violet B	25
NC	Avilon Fast Violet 3B	25
NC	Brilliant Acid Blue DH	500
NC	Brilliant Acid Blue G2L	11,022
NC	Brilliant Acid Cyanine PTS	26
NC	Brilliant Alizarine Milling Blue FBL	551
NC	Brilliant Alizarine Milling Green 3GL	1,663
NC	Brilliant Indo Green 3G	100
NC	Carbolan Blue BS	520
NC	Carbolan Blue GNS	250
NC	Carbolan Brilliant Blue 2GS	8,590
NC	Carbolan Brilliant Blue 2RS	6,575
	Carbolan Crimson BS	2,490
NC	Carbolan Yellow 3GS	800
NC	Cibalan Blue FBL	1,450
NC	Cibalan Brilliant Blue RL	625
NC .	Cibalan Green 717	250
NC	Cibalan Olive 3BL	4,400
NC	Coomassie Blue GL	250
NC	Coomassie Bordeaux BS	250
NC	Coomassie Fast Scarlet BS	250
NC	Coranil Brown HEDR	250
NC	Coranil Brown HEGR	500
C	Dimacide Light Orange	50
C	Dimacide Light Orange J	50
NC	Dimacide Light Red 2B	50
C	Dimacide Light Red 2D	50
C	Dimacide Light Red 2B50	50
C	Dimacide Light Scarlet R	300
C	Dimacide Light Yellow	450
С,	Dimacide Light Yellow 3JL	200
2/ NC	Erio Anthracene Rubine 3GP	2,530
	Formalan Grey B	33
NC	Irgacet Black RL	
C .	Irgacet Red 4BL	1 710
NC	Irgacet Yellow GL	1,051
NC	Irgalan Blue RL	5,511
NC	Irgalan Brilliant Green 3GL	11,022
NC	Irganol Brilliant Blue RIS	1,653

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	ACID DYES Continued	
NC	Irganol Brilliant Red GLS	276
NC	Trganol Green 2GLS	1,180
NC	Tragren Brown C - GL	2,204
NC	T Deal Decem C PPI	3,857
NC	Hanacron Dark Brown GR	3,750
NC	Lanacron Navy Blue B	1,200
NC	Lanacron Olive G	1,200
NC	Lanacron Red Brown R	2,250
C	Lanamer Black R	1,500
C	Lanaperl Brown G	250
C	I anaperl Brown R	1,000
NC	Lanaperl Fast Navy Blue R	200
C	Lanaperl Green B	1,000
C	Lanaperl Grey B	500
NC	Language Scarlet G	100
NC .	Lanasyn Brilliant Red 2BL	2,643
NC NC	Lanasyn Brown 2GL	441
	Lanasyn Carbon BL	21,385
NC NC	Lanasyn Green 5GL	220
NC	Levalan Blue BN	25
NC	Levalan Brown 1-BRL	1,000
NC	Levalan Dark Brown I-TL	1,500
NC	Levalan Olive GL	500
NC	Levalan Olive I-GL	500
NC	Levalan Olive 1-01	200
NC	Levamin Blue GW	2,250
NC	Levamin Red GW	250
NC	Levamin Red GW	100
NC	Levanol Fast Blue G	1,500
NC	Levanol Violet LBF	250
NC	Lissamine Fast Scarlet RS	250
NC	Lissamine Fast Violet 2BS	500
NC	Lissamine Ultra Blue 4GLS	700
NC	Luganil Brown NT	200
NC .	Lugatol Brown NG	250
NC	Lugatol Dark Green NB	-
<b>N</b> C	Lugatol Green NG	50
NC	Lugatol Red NB	1,000
NC	Lugatol Red NG	100

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1964Continue	a
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	ACID DYESContinued	·
NC NC NC C NC NC L NC C C C C C C C C C	Lunergan Grey BC Lunergan Orange GGC Metallan Black M2B Metallan Black M6 Metallan Black MN Metallan Brown MR Metallan Grey MAC Metallan Grey MB Metallan Grey MB Metallan Grigio MB Metallan Grigio MB Naphthalene Scarlet BS Neopolar Brilliant Red B Nero Metallan MN Neutrichrome Bordeaux 3BLL Neutrichrome Brown BRLL Neutrichrome Black BS Nylomine Black BS Nylomine Blue GS Nylomine Brown B Nylomine Brown B Nylomine Brown B Nylomine Red 2BS Nylomine Red 2BS Nylomine Fast Black WAGN Pilate Fast Black WAGN Pilate Fast Blue RRN Remalan Brilliant Blue R Remalan Fast Red EGG Remalan Red GR Sandolan Dark Brown GL Sella Fast Grey BG Solochrome Black NY Sulfacide Light Navy BRLL Sulfonine Brilliant Red EG Supranol Fast Bordeaux B	500 100 6,000 1,000 500 2,500 2,500 1,000 1,000 1,500 1,250 4,500 1,350 1,500 2,500 1,350 1,500 2,500 1,350 2,500 1,350 2,500 1,350 2,500 2,500 1,500 2,500 1,500 2,500 1,000
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Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
NC	ACID DYESContinued Union Fast Blue GL	100 100
C C NC NC NC	Union Fast Brown HGB Union Fast Scarlet HGL Union Fast Yellow HGL Vialon Fast Blue FFG Vialon Fast Blue FFR	125 100 2,250 105
NC NC, NC <u>1</u> / NC NC	Vialon Fast Violet B Vialon Fast Violet RR Wool Fast Blue HFL Wool Fast Brilliant Pink RL Wool Fast Turquoise Blue SW	100 250 4,000 500 1,200 1,500
NC C C, NC	Wool Fast Violet F6R	2,646 50 2,092,201
	AZOIC DYES AND COMPONENTS 3/	
C NC C C C C C C C C C C C	Azoic dyes: Azoic Yellow 1	560 25 4,950 4,225 225 200 960 1,450 60 375 650 551 40
C C	Fast color bases: Azoic diazo component 1 Azoic diazo component 3	2,400 53,030

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
C C C C C C C C C C C C C C C C C C C	AZOIC DYES AND COMPONENTSContinued  Azoic diazo component l	18,500 25,570 20,039 2,209

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
C 2/CC, 2/CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	AZOIC DYES AND COMPONENTS Continued  Fast color salts:  Azoic diazo component 2	500 750 3,000 250 8,000 1,000 3,000 8,500 1,500 1,000 2,000 250 3,000 250 3,000 500 3,300 750 1,000 500 1,000 250 1,000
NC 1/	N-(2-Methyl-)-diazophenyl-tetramethyleneimine	
_	(D-64-ZN)	5
NC	Total fast color salts	113,295

Table 9.—Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964—Continued

	competitive status where available, 1964Continued	1
Competitive status (C = competitive; NC = non-competitive)	Dye	Quantity
C, 2/ C C, NC 1/ NC C, NC C, NC C, NC C, NC	AZOIC DYES AND COMPONENTS Continued  Naphthol AS and derivatives: Azoic coupling component 2 Azoic coupling component 3 Azoic coupling component 4 Azoic coupling component 5 Azoic coupling component 6 Azoic coupling component 7 Azoic coupling component 8 Azoic coupling component 9 Azoic coupling component 11 Azoic coupling component 12	19,900 1,025 195,731 3,000 3,000 3,000 21,085
C C C C C C C C C C C C C C C C C C C	Azoic coupling component 13	6,605 3,400 13,250 3,477 13,550 14,000 7,000 6,025 750 3,005 950 25 16,005
C, NC NC NC NC, NC 1/ NC NC C C C	Azoic coupling component 44	600 800 15,415 13,258 300 750 5,250

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1904 onternued	
Competitive status (C = competitive; NC = non- competitive)	Dye	Cuantity
		Pounds
	BASIC DYES	
CONCONCONCONCONCONCONCONCONCONCONCONCONC	Basic Yellow 1 Basic Yellow 9 Basic Yellow 9 Basic Yellow 19 Basic Yellow 19 Basic Yellow 20 Basic Yellow 21 Basic Yellow 23 Basic Yellow 25 Basic Yellow 28 Basic Yellow 29 Basic Yellow 32 Basic Orange 10 Basic Orange 22 Basic Orange 28 Basic Orange 28 Basic Orange 29 Basic Red 1 Basic Red 1 Basic Red 1 Basic Red 22 Basic Red 24 Basic Red 25 Basic Red 25 Basic Red 27 Basic Red 27 Basic Red 29 Basic Violet 10 Basic Violet 10 Basic Violet 11	19,750 69,145 4,250 4,000 3,070 55,267
C NČ	Basic Violet 20	35,000

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1964Continued	
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	BASIC DYESContinued	
NC NC C, NC C C NC C NC NC NC NC NC NC NC NC NC C NC N	Basic Violet 21	6,066 1,250 50 540
NC NC C C	Astrazon Yellow Brown GGL  Basacryl Violet RL  Blue Base KG  Chrysoidine Crystals  Deorlene Brilliant Red BL	2,850 1,050 5,033

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where avaitable, 190400001111000	
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
C C NC NC NC NC NC C C C C C C C C C C	BASIC DYESContinued  Deorlene Brilliant Red R	6,250 700 2,500 6,750 266 110 25 30,000 4,409 276 14,894 16,300 58 1,000 264 1,000 100 254 25 250 69
	Total, basic dyes quantity	1,011,900
0	DIRECT DYES	2,855
C C C C NC NC C NC C NC	Direct Yellow 11	1,000 1,980 8,856 320 551 750 50 250

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1964Continued	
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DIRECT DYES Continued	
NC C NC NC NC NC NC NC NC NC C NC C NC	Direct Yellow 58	20,292 2,000 4,250 700 14,726 5,875 300 4,875 276 1,500 2,646 960 7,854 36,377 21,265
C C NC NC NC	Direct Red 107 Direct Red 111 Direct Red 143 Direct Red 155 Direct Red 173	4,410 185 551

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

C	ompetitive status where available, 1,04-00110111454	
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DIRECT DYES Continued	1.103
NC NC NC NC C C C NC NC NC NC C C C C C	Direct Red 184 Direct Red 205 Direct Red 207 Direct Red 212 Direct Red 218 Direct Violet 46 Direct Violet 47 Direct Violet 48 Direct Violet 62 Direct Violet 80 Direct Blue 40 Direct Blue 41 Direct Blue 71 Direct Blue 81 Direct Blue 87 Direct Blue 90 Direct Blue 92 Direct Blue 98 Direct Blue 98	1,103 11,782 3,086 50 1,250 450 2,535 3,150 1,487 240 1,103 1,612 3,020 75 5,510 450 16,766 1,000 33,066 3,857 25,256 23,083 30,020
NC, NC 1/ NC, NC 1/ C C C C C NC	Direct Blue 100	199,938 4,570 1,750 1,550 2,205 2,755 25,510 6,614 13,665 9,400

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DIRECT DYESContinued	·
NC	Direct Green 3	25
NC	Direct Green 4	661
NC	Direct Green 5	3,857
NC	Direct Green 13	800
NC	Direct Green 18	915
NC	Direct Green 23	500
NC	Direct Green 29	23,148
NC	Direct Green 31	5,511
C	Direct Green 32	1,200
NC .	Direct Green 33	3,000
NC	Direct Green 37	3,080
C	Direct Green 47	775
NC	Direct Green 48	2,250
NC	Direct Green 51	7,909
NC	Direct Green 59	1,166
NC .	Direct Green 65	152
NC	Direct Green 66	1,250
NC	Direct Green 67	7,165
NC	Direct Green 68	7,000
NC	Direct Green 69	19,291
C	Direct Brown 1	7,500
Č	Direct Brown 11	828
· C	Direct Brown 29	276
NC	Direct Brown 30	950
C, NC	Direct Brown 31	2,625
NC	Direct Brown 34	2,480
NC	Direct Brown 58	3,031
NC	Direct Brown 65	221
C	Direct Brown 95	500
NC	Direct Brown 97	
NC	Direct Brown 98	
NC	Direct Brown 100	
NC	Direct Brown 103	
NC NC	Direct Brown 107	3,000
NC	Direct Brown 113	7,495
NC	Direct Brown 115	15,431
NC NC	Direct Brown 116	42,993
NC	Direct Brown 157	1,102

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DIRECT DYES Continued	
NC NC C C C C C C C NC NC NC NC NC NC NC	Direct Brown 172	2,205 2,250 1,000 1,40 6,000 221 250 1,323 13,362 100 3,500 3,400 1,653 3,527 29,763 551 750 1,500 6,600 50 100 11,329 576 500 882 2,646 496 2,204 276 551 100 100 112

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)		Quantity
C	DIRECT DYESContinued	Pounds
NC N	Dianil Orange G Diphenyl Red RW Direct Supra Blue FGL Durazol Violet 2BS Fast Turquoise Blue SW Lumicrease Dark Brown 3LB Lumicrease Olive Green FBL Lumicrease Yellow 3LG Lurantin Supra Turquoise Blue FBL Pyrazol Discharge Orange 3LG Red Trial 5844 Sandolan Dark Brown BL Sirius Supra Blue FGG Sirius Supra Blue FGG Sirius Supra Blue GL Sirius Supra Green BB Triamine PR Turquoise Trial 333 Union Fast Bordeaux HG Union Fast Navy Blue HB Yellow Trial 6625 Other direct dyes Total direct dyes	25 551 1,500 325 100 882 661 9,075 250 12,127 25 221 1,000 1,500 225 50 4,103 100 100 100 25 27
	DISPERSE DYES	
C C, NC NC, NC 1/ NC NC C C C C C NC C NC	Disperse Yellow 1 Disperse Yellow 5 Disperse Yellow 7 Disperse Yellow 12 Disperse Yellow 19 Disperse Yellow 23 Disperse Yellow 31 Disperse Yellow 37 Disperse Yellow 39 Disperse Yellow 49 Disperse Yellow 49	9,885 24,005 1,750 1,501 2,205 200 50 100 764 650 1,764

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
*	DISPERSE DYES Continued	
C NC C C C NC NC NC NC NC C C C C C C C	Disperse Yellow 64 Disperse Yellow 65 Disperse Orange 1 Disperse Orange 5 Disperse Orange 9 Disperse Orange 20 Disperse Orange 30 Disperse Orange 38 Disperse Orange 38 Disperse Red 4 Disperse Red 9 Disperse Red 10 Disperse Red 15 Disperse Red 55 Disperse Red 55 Disperse Red 60 Disperse Red 72 Disperse Red 72 Disperse Red 85 Disperse Red 85 Disperse Red 85 Disperse Red 75 Disperse Red 75 Disperse Red 85 Disperse Red 86 Disperse Red 80 Disperse Violet 1 Disperse Violet 8	1,102 56,677 2,205 1,500 750 150 2,866 750 1,050 875 5,757
NC C, NC C NC NC NC NC NC NC NC NC NC	Disperse Violet 10  Disperse Blue 1  Disperse Blue 7  Disperse Blue 9  Disperse Blue 20  Disperse Blue 30  Disperse Blue 40  Disperse Blue 54  Disperse Blue 55	1,626 1,000 2,889 1,929

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	combectorie agains muete againable, Tactconcluded	
Competitive status (C = competitive; NC = non-competitive)		Quantity
		Pounds
NC	DISPERSE DYESContinued  Disperse Blue 58	1,985
NC NC	Disperse Blue 73	14,771
NC	Disperse Blue 78	882
NC	Disperse Blue 79	407,157
NC	Disperse Blue 83	250
C, NC	Disperse Green 1	500
C	Disperse Brown 1	2,129
C	Disperse Brown 3	750
C	Acetoquinone Light Blue-Green 4JL	350
C .	Acetoquinone Navy Blue JN	50
NC	Artisil Brilliant Yellow 6GFL	4,189
NC	Artisil Red FL	9,921
NC	Artisil Rubine GFL	5,952
C	Celliton Fast Navy Blue BR	250
NC	Cibacete Navy Blue RL	500
NC .	Dispersol Fast Blue GFD	950
NC	Dispersol Fast Rubine BT	1,596
NC ·	Dispersol Fast Scarlet T	512
NC	Dispersol Fast Yellow GR	250
NC .	Duranol Brilliant Red T2B	
NC	Duranol Brilliant Yellow T4G	
C	Esterophile Light Black NEsterophile Light Blue BFLL	75 250
	Esterophile Light Navy BLL	
C, NC 1/	Esterophile Light Navy BRLL	
NC	Foron Blue BGL	1,103
NC	Foron Brilliant Orange GL	1,063
NC	Foron Navy BGL	441
C	Foron Rubine GFL	440
NC	Foron Scarlet BWFL	441
C	Nyloquinone Light Black	224
C, NC	Nyloquinone Light Black BJLL	575
NC, 2/	Ofna-Ryl Black G	23,717
NC	Ofna-Ryl Bordeaux B	100
ŃC	Ofna-Ryl Navy Blue BB	100
NC	Ofna-Ryl Navy Blue RF	100
NC	Ofna-Ryl Orange R	100
NC	Ofna-Ryl Red 3B	100

Table 9. Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	comberrers agains muete avarrante, raoucongruned	
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DISPERSE DYES Continued	
NC NC NC NC C C C C C C C C C C C C C C	Olefin Blue 14110	1,000 1,000 1,000 1,000 1,000 5,500 250 50 3,600 300 500 33,480 1,750 1,850 2,175 60 1,250 2,175 850 25 850 25 850 275 3,000 100 275 3,000 25 800 2,000
NC 1/ C C	Samaron Brilliant Pink 4GGSamaron Brown HRSamaron Violet HFRL	1,911 1,000 1,850
NC	Samaron Yellow H3GL	2,000

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	competitive status where available, 1904Continued	4
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	DISPERSE DYESContinued	
NC 1/ NC	Sandye Color Brown	88 110 551 276 661 225 3,000 1,000 250 1,620 250 1,500 1,000 500 206 49
	FIBER-REACTIVE DYES	
C, NC C, NC N	Reactive Yellow 10	6,500 23,478 2,551 1,102 2,000 1,102 1,102 15,815 19,828 5,050 3,850 11,462 2,205 2,866 3,000 1,100 1,102

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
	·	Pounds
	FIBER-REACTIVE DYESContinued	
NC	Reactive Blue 5	19,294
NC	Popotivo Blue 7	11,242
NC	Reporting Rive 8	14,108
NC	Posetive Blue 10	22,702
NC	Reactive Blue 13	3,000
NC	Reactive Blue 1)	5,300
NC	Posetive Plue 17	2,204
	Reactive Blue 18	17,640
C, NC NC	Popotivo Blue 19	10,000
	Reactive Blue 25	827
NC	Reactive Blue 27	5,000
NC	Reactive Green 6	10,215
NC	Reactive Brown 2	11,502
NC	Reactive Brown 5	8,154
NC	Reactive Brown 10	3,500
NC	Reactive Brown 10	1,400
NC .	Reactive Brown II	3,306
NC	Reactive Black 1	500
NC	Reactive Black 3	1,491
NC	Reactive Black 6	300
NC	Basazol Black Brown R	350
NC	Basazol Bordeaux B	45C
NC	Basazol Brilliant Blue GL	1
NC	Basazol Orange RL	300
NC	Basazol Red Brown RL	350
NC	Basazol Yellow 3 GL	350
NC	Rlack Trial ),512	250
NC	Cibacron Brilliant Green C4G-A	1,400
NC	Cibacron Brilliant Orange 2G-E	1,500
С	Cibacron Brilliant Red B-A	5,000
NC	Cibacron Brilliant, Red B-D	300
NC	Cibacron Brilliant Red 2B-E	3,000
NC	Cibacron Brilliant Red 3B-P	15,000
NC	Cibacron Dark Brown B-D	1,600
NC	Cibacron Golden Yellow 2R-A	1,025
NC .	Cibacron Navy Blue R-E	500
NC	Cibacron Olive G-P	2,525
NC	Cibacron Olive 1119	500
NC	Cibacron Red Brown G-E	3,500

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

0 1:1:1:	T	
Competitive		
status (C =	Terro	Quantity
competitive;	Dye	water 110 10 f
NC = non-		
competitive)		
***************************************		Pounds
		* *************************************
	FIBER-REACTIVE DYESContinued	
NC	Cibacron Red Brown R-P	1,000
NC	Cibacron Scarlet 2G-E	3,300
NC	Drimarene Blue X-3GL	441
NC	Drimarene Navy 2BGL	442
NC	Drimarene Navy X-BL	331
NC	Drimarene Navy Z-2RL	606
NC NC	Drimarene Orange Z-2GL	441
NC NC	Drimarene Red Z-2B	882
	Levafix Brilliant Blue E-B	
NC	Levafix Brilliant Blue 14G	1,050
NC	Levafix Brilliant Blue RRN	7,720
NC	Levafix Brilliant Red	200
C	Levafix Brilliant Red E 2B	5,500
C	Levalix Brilliant ned E ZD	500
C	Levafix Brilliant Yellow	11,800
C	Levafix Brilliant Yellow E3G	1,000
NC .	Levafix Golden Yellow EG	1,500
NC .	Levafix Turquoise 1GG	16 700
NC	Levafix Turquoise Blue E-G	16,500
NC	Primazin Red P3B	175
NC	Procilan Black RS	2,590
NC	Procilan Dark Brown BS	2,540
NC	Procilan Grey BRS	1,020
NC	Procilan Yellow 2RS	110
NC	Procinyl Blue RS	2,400
NC	Procinyl Red GS	200
NC	Procinyl Scarlet GS	2,000
NC	Procinvl Yellow GS	1,080
NC	Procion Blue M-3GS	2,528
NC	Procion Brilliant Blue 200	500
NC	Procion Brilliant Red H8BS	500
NC	Reactone Black RL	9,919
NC	Reactone Blue 2GL	551
NC	Reactione Blue RLD	1,653
NC NC	Reactione Bordeaux BL	551
NC .	Reactione Brilliant Orange 2GL	1,653
	Reactione Brilliant Grange 200	1,653
NC NC	Reactone Grey GL	1,244
NC	Reactone Navy Blue GLD	551
NC	heaccode Mark Dine on	1)1

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non-competitive)	Dye	Quantity
And the second s		. Pounds
	FIBER-REACTIVE DYESContinued	
	Reactone Orange G	4,408
NC	D O S2CI	1,102
NC	Reactone Red G	1,653
NC	Reactone Turquoise Blue FGL	2,205
C	Reactione Violet S-RL	551
NC	Reactone Yellow RL	551
NC NC	Report one Yellow S-GRI	1,929
NC NC	Remarcol Bordeaux B	1,000
NC NC	Person Brilliant Rive B	1,000
NC	Pomprol Brilliant Blue B	10,000
NC	Pomagol Brilliant Blue RD	200
NC	Romagol Brilliant Green 6B	500
NC	Romagol Brilliant Orange G	700
NC	Pomagol Brilliant Red BB	1,000
NC	Pomprol Red B	800
NC .	Remazol Red Brown 4RD	200
NC	Remazol Rubine R	1,000
NC.	Remazol Scarlet GGD	25
NC	Other fiber-reactive dyes	416,253
	Total, fiber-reactive dyes quantity	410,000
	FLUORESCENT BRIGHTENING AGENTS	
С	Fluorescent Brightening Agent 24	4,410
Č	Fluorescent Brightening Agent 25	110
NC	Fluorescent Brightening Agent 47	43,050
NC	Fluorescent Brightening Agent 48	6,000
C	IFluorescent Brightening Agent 52	4,408
NC	IFluorescent Brightening Agent 55	1,653
NC	Fluorescent Brightening Agent 70	002
NC	Fluorescent Brightening Agent 72	3,738
NC	Fluorescent Brightening Agent 104	
NC .	Fluorescent Brightening Agent 112	2,115
NC	Fluorescent Brightening Agent 119	
NC	Fluorescent Brightening Agent 157	110
NC	Daitophor AN	2,200
NC	Datophot My	,

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	Combe and the angle where a variable a 1/04 out office	u
Competitive status (C = competitive; NC = non-competitive)	Dye	Quantity
		Pounds
	FLUORESCENT BRIGHTENING AGENTS Continued  Delft White	<b>р</b> ро
C NC	Ecophan	4,849
N C C	Jatwell	1,102
NC	Lumogen LT Light Yellow	500
NC	Pelson	4,408
NC	Phorwite DCB	9,500
NC NC	Phorwite REU	750
NC NC	Phorwite RPA	250
NC NC	Product 6326	441
NC	Product 6329	110
NC NC	Product 6414	660
NC	Sobrix	440
NC	Tinopal AC	1,102
NC NC	Tinopal CH 3511	24,164
NC NC	Tinopal ET	
NC	Tinopal GSA	995
NC .	Tinopal PCRC	iio
NC	Tinopal PG	828
NC	Tinopal SFG	1,566
NC	Tuvacol 61F	6,615
NC	Ultraphor WR 2027	250
NC	Uvitex EBF	2,484
NC	Uvitex MA	590
NC	Uvitex OKF	300
NC	Uvitex compounds 1980	402
NC	Whitex NITR	220
NC	Other fluorescent brightening agents	882
2.0	Total, fluorescent brightening	
	agents quantity	151,196
	MORDANT DYES	- C
С	Mordant Yellow 5	50
C, NC	Mordant Yellow 26	7,000
C 100	Mordant Yellow 30	7,451
NC	Mordant Yellow 33	1,500
NC	Mordant Yellow 59	400
110	110100010 101100 //	*

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		. <u>Pounds</u>
•	MORDANT DYES Continued	6
C, NC C C C NC N	Mordant Orange 3	1,005 619 50 1,700 2,700 900 3,250 2,450 9,218 260 1,102
NC C C NC NC	Mordant Green 2  Mordant Green 9  Mordant Green 15  Mordant Green 22  Mordant Green 26	25 341

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	comberrate agains where agarrante 1904constituted	<b>,</b>
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		. <u>Pounds</u>
	MORDANT DYESContinued	•
NC NC NC NC C C C C C NC NC NC NC NC NC	Mordant Green 33 Mordant Green 15 Mordant Green 17 Mordant Brown 1 Mordant Brown 15 Mordant Brown 23 Mordant Brown 24 Mordant Brown 42 Mordant Brown 45 Mordant Brown 50 Mordant Brown 50 Mordant Brown 59 Mordant Brown 68 Mordant Brown 89 Mordant Black 11 Mordant Black 11 Mordant Black 17 Mordant Black 17 Mordant Black 17 Mordant Black 17 Mordant Black 75 Mordant Black 75 Mordant Black 75 Mordant Black 76 Mordant Black 77 Aluminium Bluish Green L2W Aluminium Gold MO Aluminium Violet BLLW Chrome Fast Red NL Chrome Fast Red NL Chrome Fast Red NL Chrome Fast Xanthine 2R	250 100 250 50 100 714 800
2/ NC	Chrome Luxine Violet BN	300 300

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	COmbenine agains micro avarrages, root company	
Competitive status (C = competitive;     NC = non-competitive)	Dye	Quantity
		. <u>Pounds</u>
NC C NC NC NC NC C, NC, 2/ C, NC	MORDANT DYESContinued  Chromogenrot B Diamond Fast Dark Blue RRL Metomega Chrome Bordeaux 2BL Novochrome Brilliant Orange RRN Panduran Blue B Panduran Green G Polytrop Blue BA Other mordant dyes quantity	130 1,500 1,102 1,800 16,000 3,500 2,500 42 291,634
	SOLVENT DYES	
NC NC C C C C C C NC C NC NC NC C C C NC N	Solvent Yellow 16	350 3,626 1,170 3,086 3,576 220 75

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	comboorage agains where agarrante, 130400110THINEC	•
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	SOLVENT DYES Continued	
С	Solvent Red 49	800
NC	Solvent Red 50	500
NC	Solvent Red 51	1,500
C	Solvent Red 53	50
NC	Solvent Red 58	551
NC	Solvent Red 85	íío
NC	Solvent Red 89	1,750
NC	Solvent Red 90	220
C	Solvent Red 91	882
NC	Solvent Red 92	220
NC	Solvent Red 97	1,000
NC	Solvent Red 110	1,130
NC	Solvent Violet 1	125
NC	Solvent Violet 2	
NC	Solvent Violet 6	
NC .	Solvent Violet 24	200
NC NC	Solvent Blue 1	3,825
C	Solvent Blue 4	200
	Solvent Blue 11	200
C C	Solvent Blue 18	110
	Solvent Blue 19	
NC	Solvent Blue 31	350 100
C	Solvent Blue 35	
C	Solvent Blue 36	
C	Solvent Blue 38	200
C	Solvent Blue 44	1,049 661
C	Solvent Blue 45	
NC	Solvent Bite 45	5,883
C	Solvent Blue 46	770
C	Solvent Blue 48	772
C	Solvent Blue 55	
NC	Solvent Blue 64	5,175
NC	Solvent Green 7	300
NC	Solvent Green 13	500
C .	Solvent Brown 28	441
NC	Solvent Brown 37	25
NC	Solvent Black 2	3,000
С	Solvent Black 3	8,710
С	Solvent Black 5	180

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 10, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	SOLVENT DYES Continued	·
NC N	Solvent Black 6	2,600 1,323 221 221 1,850 14,550 132 220 828 165 100 25 50 77 77 1,669 625 275 99 793 77 110 165 100 50 225 50 425 135 5,250 2,000

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	SOLVENT DYES Continued	
NC C NC NC NC NC C NC C C NC C NC	Orasol Black C-A Orasol Brilliant Blue GN Orasol Fast Pink 5BL Orasol Yellow GRL Spirit Fast Violet BR Spirit Soluble Fast Black M Spirit Soluble Fast Blue FLE Spirit Soluble Fast Blue FLR Spirit Soluble Fast Fiery Red B Waxoline Black 46379 Other solvent dyes Total, solvent dyes quantity	350 3,250 165 300 100 35 100 10,950 300 90
	SULFUR DYES	
NC NC NC NC C C, NC 1/	Solubilized Sulfur Red 6	1,500 250 4,250 1,500 1,000 2,750 11,250
	VAT DYES	
C C NC C C, NC C NC, 2/ C NC NC	Vat Yellow 1 Vat Yellow 2 Solubilized Vat Yellow 3 Vat Yellow 4 Solubilized Vat Yellow 5 Solubilized Vat Yellow 7 Solubilized Vat Yellow 8 Vat Yellow 12 Vat Yellow 20 Vat Yellow 33 Solubilized Vat Orange 1	12,413 2,150 1,450 2,750 2,750 1,100 2,800 260 8,684 24,350

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

competitive status where available, 1964Continued		
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		. <u>Pounds</u>
	VAT DYESContinued	
C C, NC C NC C NC C NC C NC NC C NC NC NC NC	Vat Orange 2 Solubilized Vat Orange 2 Vat Orange 3 Solubilized Vat Orange 3 Vat Orange 7 Vat Orange 9 Solubilized Vat Orange 11 Vat Orange 13 Vat Orange 15 Vat Orange 17 Vat Red 1 Solubilized Vat Red 6 Vat Red 10 Solubilized Vat Red 10 Vat Red 21 Vat Red 21 Vat Red 21 Vat Red 45 Vat Red 45 Vat Violet 1 Solubilized Vat Violet 1 Solubilized Vat Violet 2 Solubilized Vat Violet 5 Solubilized Vat Violet 5 Solubilized Vat Violet 7 Vat Violet 13 Vat Violet 13 Vat Violet 15 Vat Blue 1 Vat Blue 2 Vat Blue 4 Vat Blue 5 Vat Blue 6 Solubilized Vat Blue 6 Vat Blue 11 Vat Blue 8 Solubilized Vat Blue 8 Solubilized Vat Blue 8 Vat Blue 11 Vat Blue 14 Vat Blue 14 Vat Blue 16	7,850 200 7,600 15,100 2,500 8,960 542 250 575 125 5,000 1,000 50 750 443 50 1,950 200 225 75 100 150 1,300 12,151 3,250 4/2,307,000 17,750 300 200 280 16,703 4,145 1,500 350

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive		
status (C = competitive; NC = non-competitive)	Dye	Quantity
	·	Pounds
	VAT DYESContinued	
C, 2/ NC NC, 2/ C NC NC C C, NC N	Vat Blue 18	6,000 7,750 16,360 1,700 50 15,094 9,129 2,302 116 19,500 750 250 4,000 2,050 100 3,500 250 1,350 10,900 3,436 2,750 250 450 125 100 200 3,750 200 155
NC C NC	Indigosol Brown IRVIndigosol Green 1GGIndigosol Olive Green IBU	250 50 1,500
NC NC	Indigosol Red 12B	25

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
***************************************		Pounds
	VAT DYESContinued	,
NC C NC C NC	Indigosol Yellow 12G	6,869 1,300 10,418 2,500 900 500 20,000 25 500 320 1,100 100 100 200 200 2,625 200 2,625 200 250 250 250 250 250 250
NC C NC NC <u>1</u> / NC NC NC . 2/ NC 1/	Solanthrene Light Green FEF  Soledon Yellow 3RS  Vat Black Brown NT  Vat Blue HCGK  Vat Blue HCRK  Vat Blue Green H4B  Vat Brilliant Blue 4G  Vat Brown GCW  Vat Grey NC	500 500 1,000 350 250 75

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

	Combe atoring a sasing where anattable thou-Contributed	•
Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		. Pounds
	WATE DITTED	Alle Converge calls in convergence.
	VAT DYESContinued	
NC NC 1/ NC C NC, NC 1/ NC, NC 1/ NC C, NC	Vat Printing Black HC	800 100 100 250 6,500 275 275 25 25 25 25 25 278
	MISCELLANEOUS DYES	* .
NC 1/ NC	Acryl Blue X 3GL	528 6,470 55 55 55 55 1,300 700 60 100

Table 9.--Benzenoid dyes: U.S. general imports of individual dyes entered under Schedule 4, Part 1C, TSUS, by class of application, and showing competitive status where available, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Dye	Quantity
		Pounds
	MISCELLANEOUS DYESContinued	
NC NC NC C, NC C, NC NC C, NC NC NC C, NC N	Olefine Orange 17002	50 55 1,100 703 19,526

1/ Duty based on foreign, export, or constructed value.
2/ Competitive status of one or more entries not available.
3/ Import data for azoic components (Fast Color Bases, Fast Color Salts and Naphthol AS and its derivatives) were included in the table on Intermediates in previous reports.

Estimated. Quantity represents computed weights based on a standard con-

centration of 20 percent.

## Benzenoid pigments (lakes and toners)

Imports of benzenoid pigments in 1964 (see table 10) totaled 685,000 pounds, with an invoice value of \$1.1 million, compared with imports in 1963 of 363,000 pounds, with an invoice value of \$616,000. Of the 190 items imported in 1964, 131 were "noncompetitive" (duty based on "United States value"): 15 were "noncompetitive" (duty based on foreign or export value); and 39 were "competitive" (duty based on "American selling price") (see table 6). "Competitive" imports accounted for 36.8 percent of the quantity and 20.5 percent of the value of all benzenoid pigments imported.

West Germany, the United Kingdom, and Switzerland supplied almost all U.S. imports of benzenoid pigments in 1964. Imports from West Germany amounted to 287,000 pounds (41.9 percent of the total), those from the United Kingdom, 206,000 pounds (30.0 percent), and those from Switzerland, 190,000 pounds (27.8 percent). Of the pigments imported in the greatest quantity, West Germany was the source of all Pigment Yellow 83 and PV Fast Yellow HR; the United Kingdom was the source of all Pigment Red 2 and most of Pigment Blue 15; and Switzerland was the source of all Cromophthal Red BR.

Table 10.--Benzenoid pigments (Toners and lakes): U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964

Competitive status (C = competitive; NC = non- competitive)	Pigment	Quantity
NC = non-	Toners: Pigment Yellow 1 Pigment Yellow 3 Pigment Yellow 12 Pigment Yellow 14 Pigment Yellow 14 Pigment Yellow 16 Pigment Yellow 66 Pigment Yellow 83 Pigment Yellow 83 Pigment Yellow 94 Pigment Yellow 95 Pigment Yellow 95 Pigment Yellow 95 Pigment Orange 5 Pigment Red 2 Pigment Red 3 Pigment Red 3 Pigment Red 11 Pigment Red 30 Pigment Red 48 Pigment Red 53 Pigment Red 81 Pigment Red 139 Pigment Red 139 Pigment Red 146 Pigment Red 151 Pigment Red 151 Pigment Red 151 Pigment Red 151 Pigment Violet 1 Pigment Violet 2 Pigment Blue 15 Pigment Blue 16 Pigment Green 7 Pigment Green 10 Pigment Green 18	4,900 600 2,750 648 96,902 6,070 4,500 1,000 325 153,544 500 4,505 5,304 475 710 4,600 500 14,908 6,180 8,320 11,300 10,700 13,170 30,984 150 8,441 1,350 500 330
C NC NC NC C	Pigment Black 1 Pigment Black 21 Acramin Golden Yellow FGR Acramin Golden Yellow FGRN Acramin Green FB	1,000

Table 10.--Benzenoid pigments (Toners and lakes): U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Pigment	Quantity
		Pounds
***	Toners-Continued	50
NC	Acramin Navy Blue FB Acramin Red FB	1,250
C, 2/	Acramin Red FITR	700
NC NC 3 /	Acramin Turquoise FB	
C, NC <u>1</u> /	Acramin Yellow FPV	2,000
NC C	Blue Pigment BR	1,000
	Brilliant Toner BS	40
NC 1/ NC	Cromophtal Brown 7668	4,200
NC	Cromophtal Red BR	40,711
NC	Cromophtal Red GR	
NC	Cromophtal Red 2R	2,811
NC	Cromophtal Red 2RF	1,284
NC	Cromophtal Scarlet R	100
NC	Cromophtal Yellow 3G	1,587
NC	Cromophtal Yellow 6G	1,042
NC	Cromophtal Yellow GR	. 2,673
NC	Foron Brilliant Orange GL	5 <b>,</b> 690
NC	Graphtol Yellow GRL	110
C	Hansa Yellow 10G	1,000
NC <u>1</u> /	Helio Fast Black 867005	100
NC -	Heliogen Blue B	50
NC	Heliogen Green 6G	50
NC	Irgazine Orange RLT	110
NC	Irgazine Red 2BLT	55
NC	Irgazine Violet BLT	110
NC	Irgazine Yellow 2GLT	110
ИС	Irgazine Yellow 3RLT	55 100
C	Lake Red Toner LCLL	1,250
NC	Lumatex Brilliant Violet R	4,000
NC	Lumogen Lt Light YellowLumogen Orange RF	25
NC 1/	Lumogen Pink BF	25
NC 1/	Lumogen Printing Yellow LK 7093	25
NC 1/	Lumogen Red RF	25
NC 1/ C	Melustral Red Violet KR	50
NC	Microfix Red RN	832
NC	Microlith Yellow 2G-T	100
C	Microsol Brown GR	2,250
NC	Microsol Brown 2R	8,500

Table 10.--Benzenoid pigments (Toners and lakes): U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Pigment	Quantity
		Pounds
NC N	TonersContinued Microsol Yellow 2R Monastral Fast Green 6YS Monolite Fast Maroon RUS Monolite Fast Rubine FBHVS Monolite Fast Yellow GLVS Monolite Fast Yellow GLVS Monofil Brown GR Paliogen Blue RR Paliogen Blue RR Paliogen Yellow RT Permanent Pink E Permanent Red FGR Permanent Red FGR Permanent Red FBHH Permanent Red Wiolet MR Permanent Yellow FGL Phthalocyanine Blue BF Pigment Blue LBG Pigment Blue LBG Pigment Fast Green GL Pigment Fast Green GL Pigment Fast Green GN Pigment Green GG Pigment Green GG Polymon Pink FF500 PV Carmine HR PV Fast Bordeaux B PV Fast Red B PV Fast Red B PV Fast Red B PV Fast Blue GR Toner Red M Medium Unisperse Red GR Viscofil Brown G2L Viscofil Red GL Viscofil Violet hRL	350 3,660 1,986 2,056 1,156 505 250 1,100 250 100 320 500 16,473 220 500 16,473 220 500 11,14 100 500 25,41 2,31 2,31

Table 10.--Benzenoid pigments (Toners and lakes): U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Pigment	Quantity
	·	. Pounds
	TonersContinued	
С	Vulcan Fast Red B	. 500
C	Vynamon Green 3YS	100
NC	Yellow Lake 160	סוו
NC, NC 1/	Other pigments	112
No, No <u>1</u> /	Total, toners quantity	589,530
	Total, tonersinvoice value-	\$1,009,731
	Mixtures:	١١١ و ١٥٠ و ١٦٠
C, NC	Acramin Black FBRK	3,000
C	Acramin Black FPV	2,050
C	Acramin Grey FG	250
NC	Chrome Printing Black E	100
C	Helio Red RMT	750
	Lithol Scarlet BBM	50
2/ NC	Lumatex Brilliant Violet R	2,500
NC	Lumatex Grey B	
	Lumin Black G	1,000
NC	Lumin Brown R	500
NC		200
NC NC	Lumogen Light Fiery Red	300
NC	Lumogen Light Red NEW	500
NC	Microfix Red RN	5,249
NC	Microlith Blue A3R-K	1,092
NC	Microlith Blue 4G-K	1,500
NC	Microlith Blue 4G-T	2,000
NC	Microlith Bordeaux R-K	450
NC	Microlith Bordeaux R-T	550
NC	Microlith Brown 2R-K	600
NC	Microlith Gold G-T	500
NC	Microlith Green G-K	3,750
NC	Microlith Green G-T	1,250
NC	Microlith Orange 3R-K	100
NC	Microlith Red BR-K	750
NC	Microlith Red BR-T	750
NC	Microlith Red R-K	1,950
NC	Microlith Red R-T	500
NC	Microlith Scarlet R-K	150
NC	Microlith Yellow 2G-T	100
NC	Microlith Yellow 2R-K	500
NC	Microlith Yellow 3G-K	500
NC	Novofil Black B	155

Table 10.--Benzenoid pigments (Toners and lakes): U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

<pre>NC = non- competitive)</pre>	Pigment	Quantity
Advances to the second section of the section of the second section of the section of the second section of the s		Pounds
NC N	MixturesContinued Oralith Fast Yellow RN Pearl Pigment QD2-207 Pigment Fast Blue G Pigment Fast Green GN Polymon Blue GS Polymon Brilliant Red BS PV Fast Yellow HR PV Red G Relca Blue Relca Brown Relca Dark Blue Relca Green Relca Lemon 111 Relca Orange Relca Red Relca Samples Relca Violet Relca Yellow Rose Pink Urethane Blue Urethane Blue Urethane Red Urethane Red Urethane White Viscofil Black BL Vulcanos in Red MO Waxoline Black O17h2 Other pigment mixtures Total mixtures Total mixtures Grand total Grand total  Grand total  Grand total  Pigment Mine Pigment mivares Pigment Fast Yellow Part Park Porand total Polymon Poly	1,499 3,758 2,558 1,940 44 2,039 2,270 1,080 86 275 2,865 241 25,000 1,200 980 2,100 4,600 2,000 30 220 25 299

<sup>1/</sup> Duty based on foreign, export, or constructed value. 2/ Competitive status of one or more entries not available.

## Benzenoid medicinals and pharmaceuticals

In 1964, imports of benzenoid medicinals and pharmaceuticals totaled 3.1 million pounds, with an invoice value of \$9.8 million (see table 11). Imports in 1963 totaled 3.0 million pounds, valued at \$10.2 million, and in 1962, 3.0 million pounds, valued at \$8.8 million. Of the 231 items imported in 1964, 122 were "noncompetitive" (duty based on foreign or export value); 32 were "noncompetitive" (duty based on "United States value"); and 73 were "competitive" (duty based on "American selling price"). The competitive status of 4 items is not available (see table 6). In terms of quantity, "competitive" imports accounted for 84.8 percent of all medicinals and pharmaceuticals imported in 1964; in terms of value, however, "competitive" products accounted for only 31.1 percent of the total.

The principal sources of U.S. imports of benzenoid medicinals and pharmaceuticals in 1964 were as follows: West Germany (940,000 pounds), Poland (515,000 pounds), Sweden (429,000 pounds), Italy (275,000 pounds), Switzerland (262,000 pounds), United Kingdom (212,000 pounds), Denmark (171,000 pounds), and the Netherlands (151,000 pounds). These eight countries together accounted for 94.5 percent of the quantity of U.S. imports of benzenoid medicinals and pharmaceuticals in 1964. The rest of the imports in 1964 came from France (97,000 pounds), from Japan (50,000 pounds), from the Virgin Islands (11,000 pounds), from Canada and Yugoslavia (6,000 pounds each), and from Pakistan, Austria, Mexico, Israel, and Czechoslovakia (less than 2,000 pounds each).

The benzenoid medicinal and pharmaceutical products imported in the largest quantities in 1964 are listed below; these products accounted for 70.7 percent by quantity of all benzenoid medicinals and pharmaceuticals imported in 1964.

Product	Quantity of Imports (Pounds)	Origin (Principal countries)
p-Aminosalicylic acid		
and salts	472,033	Italy, Sweden, Switz., and West Germany
Procaine hydrochloride	316,541	Sweden and West Germany
Phenacetin	301,617	West Germany
Sulfathiazole and its	•	v
sodium derivative	274,001	Poland and the Neth.
Sulfanilamide	255,714	Poland and the U.K.
Sulfamethazine	174,818	Denmark, Poland, and
		the U.K.
Aspirin	160,972	West Germany
Sulfaguanidine	145,838	Poland, Denmark, Italy, the Neth., and W. Germany
Ephedrine base and salts	109,352	West Germany

Table 11. -- Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964

01100100 00100		
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
		Pounds
Competitive)  NC 1/C, NC 1/C, NC 1/NC 1/NC 1/NC 1/NC 1/NC 1/NC 1/NC 1	Acenocoumarol Acetaminophen (p-Hydroxyacetanilide) (APAP)	12 16,089 2,078 88 160,972 1,686 77 5,000 22 8,827 98,664 14,879 551 358,490 1,429 44 154 44 11,125 31 1,026 7,213 48,425 6,284 11 66
$NC \underline{1}/$	2-diethylaminoethyl ester) hydrochloride	[ 66
NC 1/ NC 1/ NC 1/	Carbamazepine (Tegretol) (G-32883) Chlorambucil Chloramphenicol Chlorhexidine base	551 39 5
NC I	Uniornexidine pase	55 55
NC I/	Chlorhexidine diacetateChlorhexidine hydrochloride	1,025
$\overline{1}$	OUTOLUEX TO THE INACLOCUTOR THE	· • • • • • • • • • • • • • • • • • • •
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Table 11.--Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

	podouby tyou contounded	
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
NC 1/ C C NC 1/ NC	Chlorophenisoline (1-(p-Chlorophenethyl)-3,4-di-hydro-6,7-dimethoxyisoquinoline hydrochloride) Chloroquine diphosphate	7 520 3,000 220 2,646 4,409 2,500 175 1,100
C T NC 1/NC NC NC, NC 1/NC	Dipyrone	26,895 2,651 50,000 700 81,559 1,900

Table 11.--Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

304003, 1/04 0010111000		
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
		<u>Pounds</u>
NC NC, NC 1/ C NC N	Ephedrine sulfate	16,290 584 53 1 7 150 3 3 58 370 220 870 1,466 437 176 100 44 146 75 1,212 52 548 13,015 660 176 136 342 110 5,908 8,262 46,247 220
NC 1/	Isoproterenol (Isoprenaline) sulfate	220
NC 1/	Isoxsuprine hydrochloride (Duvadilan)Kinkan (medicinal preparation containing	1
NC <u>1</u> / C, NC <u>1</u> /	salicylic acid)	40

Table 11.--Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

	50a0us, 17040010111uou	
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
		Pounds
C NC <u>1</u> / C C C	Mandelic acid Melphalan (Alkeran) Mephobarbital Merbromin Mercuresceine sodium	330 165
C	Mersalyl acid	110
C NG 7 /	Mersalyl sodium	
NC 1/	Metabutethamine (Unacaine) hydrochloride Metaproterenol sulfate (Alupent)	
$\overline{NC}$	Methaqualone hydrochloride	55
NC 1/	Methixene hydrochloride	44
NC 1/	Methopholine (Versidyne) (dl-l-(4'-Chloro-	
<b>=</b>	phenethyl)-6,7-dimethoxy-2-methyl-1,2,3,4-	
	tetrahydroisoquinoline)	2,425
NC <u>1/</u>	Methotrimeprazine	286
NC I/	Methotrimeprazine maleate	55
$NC \overline{\underline{I}}$	N1-(3-Methoxy-1-phenylpyrazol-5-yl) sulfanil-	
O NO	amide	110
C, NC	Methylene blue	1,142
NC <u>1</u> / C	Methyl p-hydroxybenzoate (Methyl paraben)	500
NC, NC 1/	Methylphenidate (Ritalin) hydrochloride	1,983
NC 1/	1-Methyl-2',6'-pipecoloxylidide	
NC 1/	Methysergide maleate	485
$NC \overline{1}/$	Monobenzone	110
$NC \overline{\underline{1}}$	2,6-Naphthalenedicarboxylic acid, dimethyl	
NO 7 /	ester	15
NC 1/	Natulan	103
NC 1/ NC 1/	Nylidrin hydrochloride (Dilatol substance)	740
NC 1/	Oxymetazoline hydrochloride	33
NC I/	Oxyphenisatin acetate (Acetphenolisatin)	441
NC I/	Oxyphenonium (Antrenyl) bromide	66
C	Penicillin V	22
$NC \underline{1}$	Penicillin V, N-ethylpiperidine	22
C -	Phenacetin	301,617
C	Phenazopyridine (2,6-Diamino-3-phenylazo-	E 00)
С	pyridine) hydrochloridePhenobarbital	7,824
NC 1/	Phenobarbital propylhexedrine	9,410
12000	f The transfer of the second s	

Table 11.--Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

	status, 1904Concinued	
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
		Pounds
C NC 1/ NC 1/ NC 1/, 2/ C NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ C NC 1/ C NC 1/ NC 1/ NC 1/ NC 1/	Phenothiazine	1,379  7 48,503 77 2,205 33  37 25,137 316,541 238 770 1,102
C C C NC <u>1</u> / NC <u>1</u> / C NC <u>1</u> /	Reserpine	2,868 61,869 43 50,062 990 1,900 79,683
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfacetamide	18,741 7,000 64,486 145,838 60,753 174,818 4,410 7 255,714 5,511 110 213,927 60,074
NC 1/ NC 1/ C	Sulfinpyrazone	2,199 4,409 8,487

Table 11.--Benzenoid medicinals and pharmaceuticals: U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

	status, 1904Continued	
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
C C NC 1/ NC	Sulfobromophthalein	40 130 1,027 77 9 331 2,644 11 22 164 66,138 55 561 33 352 751 2,369
C C C C C C NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ NC 1/, 2/	Vitamins: Cyanocobalamin (Vitamin B <sub>12</sub> ) Folic acid Menadione Menadione, crude Menadione sodium bisulfite Riboflavin (Vitamin B <sub>2</sub> ) d and dl-G-Tocopheryl acetate Total, vitamins  Vl-Minerol (standard) Xylometazoline hydrochloride All other medicinal chemicals	11 1,543 1,320 11 1 7,111 120 100 53 3,126,976

<sup>1/</sup> Duty based on foreign, export, or constructed value.
2/ Competitive status of one or more entries not available.

## Benzenoid flavor and perfume materials

Imports of benzenoid flavor and perfume materials that were entered under Part 1C in 1964 are shown in table 12. Imports in 1964, which consisted mostly of "competitive" items (duty based on "American selling price"), totaled 1,614,000 pounds, with an invoice value of \$2.3 million. Imports in 1963 amounted to 1,957,000 pounds, valued at \$2.9 million, and in 1962 to 1,368,000 pounds, valued at \$2.2 million.

In terms of quantity, Japan, Canada, and the Netherlands were the principal sources of U.S. imports of these materials as a group; smaller quantities came from the United Kingdom, Switzerland, West Germany, Korea, and France. In this group the two most important items imported in 1964 were saccharin and vanillin. Imports of all forms of saccharin in 1964 totaled 772,000 pounds, compared to 984,000 pounds in 1963; imports in 1964 came principally from Japan. Imports of vanillin in 1964 amounted to 651,000 pounds, compared with 794,000 pounds in 1963. Canada was the source of vanillin derived from lignin, and the Netherlands and Switzerland were the sources of vanillin derived from eugenol.

Table 12.--Benzenoid flavor and perfume materials: U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964

	Inder benedute 4, rare 10, 1505, Showing competitive s	1904 ·
Competitive status (C = competitive; NC = non-competitive)	Product	Quantity
		Pounds
C C C C C C C C C C	Amyl cinnamaldehyde	56 75 298 560 99 1,986 134 431
C NC <u>1</u> /	4-tert-Butyl-2,6-dimethyl-3,5-dinitroacetophenone (Musk ketone)	18,330
C	^ (Celestolide)	5,444
C NC <u>1</u> / C, NC <u>1</u> / C	ambrette)	69,490 74,833 25 273 3,990
NC 1/ NC 1/ NC 1/ C	Cyclamen aldehyde, methyl-2,4-pentanediol acetal Dimethyl-tert-butylindan Ethyl anthranilate Ethyl-α,β-epoxy-β-methylhydrocinnamate (Aldehyde	1,124 25
C C, NC NC $1/$ NC $1/$ C	C-16)	.185 3,170 850 55 32 66
C NC 1/	p-Methoxyphenyl acetone Methyl anthranilate  α-Methylbenzyl acetate (Methylphenylcarbinyl	550 3,200
NC 1/ NC 1/ NC 1/ NC 1/ NC 1/ 2/ C, NC, NC 1/	acetate)  4-Methyl-7-ethoxycoumarin  Musk alpha and musk delta  Musk DNBX  N 112, 431, 483  Oxyphenylon  Perfume compounds  Phenethyl alcohol	32 484 25 400 231 385 26 1,355

Table 12.--Benzenoid flavor and perfume materials: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Continued

	status, 1904Continued	
Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
NC 1/ NC, NC 1/ C C C C, NC NC 1/ C C, 2/ C, NC, NC 1/, 2/	Phenylacetaldehyde (a-Tolualdehyde)	215,721 90,335 35 171 502 14,331 636,270 605

<sup>1/</sup> Duty based on foreign or export value.
2/ Competitive status of one or more entries not available.

## All other finished benzenoid products

Imports in 1964 of all other finished benzenoid products that were entered under Part 1C are shown in table 13. In 1964, imports of products in this miscellaneous group, which consisted principally of "noncompetitive" items, totaled 8.2 million pounds, valued at \$5.2 million (invoice value). Imports of finished benzenoid products in 1963 amounted to 5.9 million pounds, valued at \$4.8 million (revised).

In 1964, as in earlier years, the most important class of items in this group was the synthetic resins. Imports of synthetic resins amounted to 4.7 million pounds in 1964, compared with 2.6 million pounds in 1963. West Germany, the United Kingdom, and Canada were the principal sources of imports in 1964; smaller quantities came from Japan, the Netherlands, France, Switzerland, Italy, and Sweden. In terms of quantity, 67.5 percent of the imports of synthetic resins in 1964 were "competitive".

Imports of pesticides amounted to 1.4 million pounds in 1964, compared with 2.2 million pounds in 1963. The 1964 imports, which were chiefly "noncompetitive", came principally from the United Kingdom, Denmark, and West Germany.

In 1964, imports of photographic chemicals amounted to 441,000 pounds, compared with 233,000 pounds in 1963. Imports of photographic chemicals in 1964 were almost all "noncompetitive"; Belgium and West Germany were by far the principal suppliers. Imports of tanning materials amounted to 237,000 pounds in 1964, compared with 135,000 pounds in 1963. Imports of such materials were principally "competitive"; West Germany and Switzerland were the sole suppliers.

Table 13.--All other finished benzenoid products: U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964

alleated mi	del periodite ti laro toi 1000 miontrig compositore	
Competitive status (C = competitive; NC = non-competitive	Product	Quantity
Combentative		
		. Pounds
NC 1/ NC, NC 1/ NC	An-teak oil	973 3,526 50 100
NC	Astra blue base URN	100
NC	BASF aniline resin LD	110
2/ NC	Coagulant CHA	10,307
	Correcting fluid	10,507
<u>2/</u> NC	Cryla primer	240
$\overline{ m N}$ C	Deorlene brilliant blue RL	250
NC 1/	Dextrol concentrate 90.5 lubricating oil	07 700
<b>-</b> ′	additive	21,500
NC 1/	"Elfasol" compound EC-51	437
	17 7 10: 07.06	1 11.711.79
<u>5</u> /	Conitron	1.1.0
2/ 2/ NC 1/	[Glasso ] acquer 206	0,104
$\frac{1}{1}$	Closs pigment AE	1,000
$\overline{1}$	Guignets green colour	1. 100
NC 1/	Handener	(4)
$\overline{1}$	Unlawar jointing compound	2,150
NC =/	Improfix BR	1 000
NC, NC 1/	Industrial way	1,340
	(Kinotex )))21B	441
2/ NC <u>1</u> /	I and attrohyate	1.440
NC ±/	Limanol 3100 OS	030
	Lufiven IF	2,051
<u>2</u> /	Methyl-ethyl-ketone-peroxide	12,252
NC 1/	Pearl essence	. 220
NO <u>1</u> /	Pesticides: 3/	
NC 1/	Aafuma	1,306
$\frac{1}{NC}$	Aapedint	
NC 1/	Agricultural chemicals	- 1 2.7 <u>u</u> u
NC	Alpha-naphthylthiourea (ANTU)	- 500
	Brocken (find)Clde)	- 1 200
NC 1/	Chloranil (tetrachloroquinone)	2,206
C	p-Chloro-m-cresol	37,929
C NC NC 1/	2-(4-Chloro-2-methylphenoxy)propionic acid	
C, $NC$ , $NC$ $1/$	and salts	131,879
0	Chloropierin	165
C	Ethanolamine salt of 2',5-Dichloro-4'-nitro-	
NC	salicylanilide (Bayer 73(98999))	10,475

Table 13.--All other finished benzenoid products: U.S. general imports entered under Schedule 4, Part 10, TSUS, showing competitive status, 1964--Oontinued

status, 1964Continued		
Competitive status (C = competitive; NC = non-competitive)	Prod <b>uc</b> t	Quantity
		Pounds
C C, NC NC, NC 1/ NC 1/ NC 1/ C NC 1/ C NC 1/ C NC 1/ C	Pesticides 3/Continued  0,0-Diethyl 0-(p-nitrophenyl) phosphorothicate (Parathion)  0,0-Dimethyl 0-(p-nitrophenyl) phosphoro- thicate (Methyl parathion)  1,1'-Ethylene-2,2'-dipyridylium dibromide (Diquat)	33,069 275,024 798,280 104 80 61,700 70 2,000
NC 1/ C C NC 1/ C, NC 1/	carbonate	10,925 37 5,000 100 10,578 4 1,384,641
C, NC, NC <u>1</u> / NC NC	Photographic chemicals	440,515 679 1,428
C NC 1/ NC NC 1/ NC 1/ C NC 1/	Plasticizers: Dicyclohexyl phthalate Lopol Mesamoll 3/ Sextol phthalate Tanwax crystal bonding cement Topcizer #2 Other plasticizers Total, plasticizers	20,060 1,983 7,494 100,800 6,000 110,230 1 246,568
2/ 2/	Protective colloid SP	17,460 800
C, NC, NC 1/, 2/ NC, NC 1/ C, NC, 2/	Alkyd and polyester resins Epoxy resins Phenolic resins	160,988 12,828 299,682

Table 13.--All other finished benzenoid products: U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non-competitive)	Product	Quantity	
		Pounds	
C, NC, NC 1/, 2/ C, NC 1/ C, NC, NC 1/, 2/ C, NC, NC 1/, 2/	ResinsContinued Polyamide resins Polystyrene resins Polyurethane resins Miscellaneous resins Total, resins	568,181 123,942	
NC	Rose pink	243	
NC	Sealing salt AS	200	
$\underline{\text{NC}} \underline{1}$	Slipclean M tank cleaning compoundSodium benzoate USP		
C _	Stone and marble cements:	1	
NC $1/, 2/$	Alcemi stone and marble cement	24,314	
NC I/	Stone glue	1 1.41)	
$\frac{2}{3}$	Sulfopon WA 1	924	
2/ 2/ C, NC, NC <u>1</u> /, <u>2</u> /	Sulfopon WA 1	303,839	
	Surface contings.	į.	
NC, NC 1/	Auto paints, lacquers and varnishes	161,833 92,271	
NC, NC $\overline{\underline{1}}/$	Other paints, lacquers and varnishes Total, surface coatings	254,104	
	Total, Surface coastings		
	Tanning materials:	0.750	
NC	Basyntan DLE	2,750 25,850	
C C	Basyntan FC		
C C	Basyntan FCBI	1,870	
C C	Basyntan GA	- 11,570	
C	Disperser CC	750	
C	Dispersing agent SS	11,022	
C C	Irgatan LV	56,770	
NC 1/	Mesitol PNR	-1 12,500	
C E	Product DIE	- 110,000	
C	Religan P	- 2,970	
С	Sellasol HF Total, tanning materials	- <u>551</u> - 237,033	
		Ď.	
<u>2</u> /	Tenax glue marble with hardener	1,950	

Table 13.--All other finished benzenoid products: U.S. general imports entered under Schedule 4, Part 1C, TSUS, showing competitive status, 1964--Continued

Competitive status (C = competitive; NC = non- competitive)	Product	Quantity
C, NC, NC 1/, 2/ C, NC, NC 1/ NC, NC 1/ NC 1/ NC 1/ NC NC 1/	Textile assistants: 3/ Surface-active compounds and mixtures Non-surface-active mixtures Total, textile assistants  Thermindex temperature indicating paint Triplast Triplast Ultrasil - adhesive M 39\13 Vermilion light Victoria blue base \( \preceq \) R Vulcaprene Waterproof coating White light fast enamel base Wingel  Total Tota	Pounds  297,158 106,560 48,670 452,388  180 86 2,618 3,430 1,014 25 30 198 806 287 790 8,161,630 \$ 5,205,766

<sup>1/</sup> Duty based on foreign, export, or constructed value.
2/ Competitive status of one or more entries not available.
3/ Item was classified under Intermediates in 1963.