

# Harmonized Tariff Schedule of the United States (2012)

Annotated for Statistical Reporting Purposes

## CHAPTER 26

### ORES, SLAG AND ASH

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#### Notes

1. This chapter does not cover:
  - (a) Slag or similar industrial waste prepared as macadam (heading 2517);
  - (b) Natural magnesium carbonate (magnesite), whether or not calcined (heading 2519);
  - (c) Sludges from the storage tanks of petroleum oils, consisting mainly of such oils (heading 2710);
  - (d) Basic slag of chapter 31;
  - (e) Slag wool, rock wool or similar mineral wools (heading 6806);
  - (f) Waste or scrap of precious metal or of metal clad with precious metal; other waste or scrap containing precious metal or precious metal compounds, of a kind used principally for the recovery of precious metal (heading 7112); or
  - (g) Copper, nickel or cobalt mattes produced by any process of smelting (section XV).
2. For the purposes of headings 2601 to 2617, the term "ores" means minerals of mineralogical species actually used in the metallurgical industry for the extraction of mercury, of the metals of heading 2844 or of the metals of section XIV or XV, even if they are intended for nonmetallurgical purposes. Headings 2601 to 2617 do not, however, include minerals which have been submitted to processes not normal to the metallurgical industry.
3. Heading 2620 applies only to:
  - (a) Slag, ash and residues of a kind used in industry either for the extraction of metals or as a basis for the manufacture of chemical compounds of metals, excluding ash and residues from the incineration of municipal waste (heading 2621); and
  - (b) Slag, ash and residues containing arsenic, whether or not containing metals, of a kind used either for the extraction of arsenic or metals or for the manufacture of their chemical compounds.

#### Subheading Notes

1. For the purposes of subheading 2620.21.00, "leaded gasoline sludges and leaded anti-knock compound sludges" means sludges obtained from storage tanks of leaded gasoline and leaded anti-knock compounds (for example, tetraethyl lead), and consisting essentially of lead, lead compounds and iron oxide.
2. Slag, ash and residues containing arsenic, mercury, thallium or their mixtures, of a kind used for the extraction of arsenic or those metals or for the manufacture of their chemical compounds, are to be classified in subheading 2620.60.

#### Additional U.S. Notes

1. The specific rates of duty imposed under the headings of this chapter on the metal content of ores and other materials shall apply to the assay quantity of metal contained therein, whether recovered as metals, as alloys or as chemical compounds or used directly in the manufacture of articles, except that with respect to ores or other materials provided for in this chapter which are subject to duty at specific rates on their copper, lead or zinc content, an absolute deduction for losses of 18 kg per dry metric ton from the respective quantities of each of such metal contents shall be allowed.
2. When the classification of imported materials under any provision of this chapter is dependent on the percentage of metal content, such percentage shall be the ratio of the total quantity of the respective metal content to the total quantity of imported material when computed on a dry-weight basis; i.e., free of all uncombined moisture.

#### Statistical Note

1. The quantity of metal content to be reported shall be the assay quantity without deductions.
2. For the purposes of subheading 2601.11.0060, the term "coarse" refers to iron ores with a majority of individual particles having a diameter exceeding 4.75 mm.

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description  | Unit<br>of<br>Quantity | Rates of Duty           |   |   |
|------------------------|----------------------|--|------------------------|-------------------------|---|---|
|                        |                      |  |                        | 1                       |   | 2   |
|                        |                      |  |                        | General                 | Special   |   |
| 2601                   |                      | Iron ores and concentrates, including roasted iron pyrites:  |                        |                         |   |   |
| 2601.11.00             |                      | Iron ores and concentrates, other than roasted iron pyrites:   |                        |                         |   |   |
|                        | 30                   | Non-agglomerated. . . . .  | t                      | Free                    |   | Free  |
|                        | 60                   | Concentrates. . . . .  | t                      |                         |   |   |
|                        | 90                   | Ores:  |                        |                         |   |   |
|                        | 60                   | Coarse. . . . .  | t                      |                         |   |   |
|                        | 90                   | Other. . . . .   | t                      |                         |   |   |
| 2601.12.00             |                      | Agglomerated. . . . .  | t                      | Free                    |   | Free  |
|                        | 30                   | Pellets. . . . .   | t                      |                         |   |   |
|                        | 60                   | Briquettes. . . . .  | t                      |                         |   |   |
|                        | 90                   | Other. . . . .   | t                      |                         |   |   |
| 2601.20.00             | 00                   | Roasted iron pyrites. . . . .  | t                      | Free                    |   | Free  |
| 2602.00.00             |                      | Manganese ores and concentrates, including ferruginous manganese ores and concentrates with a manganese content of 20 percent or more, calculated on the dry weight. . . . . |                        | Free                    |   | 2.2¢/kg on manganese content  |
|                        | 40                   | Containing less than 47 percent by weight of manganese. . . . .  | kg                     |                         |   |   |
|                        | 60                   | Containing 47 percent or more by weight of manganese. . . . .  | Mn kg                  |                         |   |   |
| 2603.00.00             |                      | Copper ores and concentrates. . . . .  |                        | 1.7¢/kg on lead content | Free (A,AU,BH, CA,CL,E,IL, J,JO, MA,MX,OM, P,PE,SG) | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content. . . . .  | Cu kg 1/               |                         |   |   |
|                        | 20                   | Lead content. . . . .  | Pb kg 1/               |                         |   |   |
|                        | 30                   | Zinc content. . . . .  | Zn kg 1/               |                         |   |   |
|                        | 40                   | Silver content. . . . .  | Ag g 1/                |                         |   |   |
|                        | 50                   | Gold content. . . . .  | Au g 1/                |                         |   |   |
| 2604.00.00             |                      | Nickel ores and concentrates. . . . .  |                        | Free                    |   | Free  |
|                        | 40                   | Nickel content. . . . .  | Ni kg 1/               |                         |   |   |
|                        | 80                   | Other metal content. . . . .   | kg 1/                  |                         |   |   |
| 2605.00.00             | 00                   | Cobalt ores and concentrates. . . . .  | kg. . . . .            | Free                    |   | Free  |
|                        |                      |  | Co kg                  |                         |   |   |
| 2606.00.00             |                      | Aluminum ores and concentrates. . . . .  |                        | Free                    |   | \$1/t   |
|                        | 30                   | Bauxite, calcined:   |                        |                         |   |   |
|                        | 60                   | Refractory grade. . . . .  | t                      |                         |   |   |
|                        | 90                   | Other. . . . .   | t                      |                         |   |   |
| 2607.00.00             |                      | Lead ores and concentrates. . . . .  |                        | 1.1¢/kg on lead content | Free (A,AU,BH, CA,CL,E,IL, J,JO, MA,MX,OM, P,PE,SG) | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content. . . . .  | Cu kg 1/               |                         |   |   |
|                        | 20                   | Lead content. . . . .  | Pb kg 1/               |                         |   |   |
|                        | 30                   | Zinc content. . . . .  | Zn kg 1/               |                         |   |   |
|                        | 40                   | Silver content. . . . .  | Ag g 1/                |                         |   |   |
|                        | 50                   | Gold content. . . . .  | Au g 1/                |                         |   |   |

1/ Report value only of stated metal content.

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Annotated for Statistical Reporting Purposes

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description   | Unit<br>of<br>Quantity                | Rates of Duty                                  |  |   |
|------------------------|----------------------|---|---------------------------------------|--|--|---|
|                        |                      |   |                                       | 1  |  | 2   |
|                        |                      |   |                                       | General  | Special  |   |
| 2608.00.00             |                      | Zinc ores and concentrates.....   |                                       | Free   |  | 8.8¢/kg<br>on copper<br>content +<br>3.3¢/kg<br>on lead<br>content +<br>3.7¢/kg<br>on zinc<br>content |
|                        | 10                   | Copper content.....   | Cu kg                                 | 1/   |  |   |
|                        | 20                   | Lead content.....   | Pb kg                                 | 1/   |  |   |
|                        | 30                   | Zinc content.....   | Zn kg                                 | 1/   |  |   |
|                        | 40                   | Silver content.....   | Ag g                                  | 1/   |  |   |
|                        | 50                   | Gold content.....   | Au g                                  | 1/   |  |   |
| 2609.00.00             | 00                   | Tin ores and concentrates.....  | t.<br>Sn t                            | Free   |  | Free  |
| 2610.00.00             | 20                   | Chromium ores and concentrates.....<br>Having a chromium content equivalent to not more than<br>40 percent chromic oxide (Cr <sub>2</sub> O <sub>3</sub> )..... | t<br>Cr <sub>2</sub> O <sub>3</sub> t | Free   |  | Free  |
|                        | 40                   | Having a chromium content equivalent to more than<br>40 percent but less than 46 percent chromic oxide<br>(Cr <sub>2</sub> O <sub>3</sub> ).....                | t<br>Cr <sub>2</sub> O <sub>3</sub> t |  |  |   |
|                        | 60                   | Having a chromium content equivalent to 46 percent or<br>more chromic oxide (Cr <sub>2</sub> O <sub>3</sub> ).....  | t<br>Cr <sub>2</sub> O <sub>3</sub> t |  |  |   |
| 2611.00                |                      | Tungsten ores and concentrates:   |                                       |  |  |   |
| 2611.00.30             | 00                   | Ores.....   | kg.<br>W kg                           | Free   |  | \$1.10/kg on<br>tungsten<br>content   |
| 2611.00.60             | 00                   | Concentrates.....   | kg.<br>W kg                           | 37.5¢/kg on<br>tungsten<br>content             | Free (A,AU,BH,<br>CA,CL,E,IL,J,JO,<br>MA,MX,OM,<br>P,PE,SG)    | \$1.10/kg on<br>tungsten<br>content   |
| 2612                   |                      | Uranium or thorium ores and concentrates:   |                                       |  |  |   |
| 2612.10.00             | 00                   | Uranium ores and concentrates.....  | kg.....                               | Free   |  | Free  |
| 2612.20.00             | 00                   | Thorium ores and concentrates.....  | t.....                                | Free   |  | Free  |
| 2613                   |                      | Molybdenum ores and concentrates:   |                                       |  |  |   |
| 2613.10.00             | 00                   | Roasted.....  | kg.<br>Mo kg                          | 12.8¢/kg on<br>molybdenum<br>content +<br>1.8% | Free (A+,AU,BH,<br>CA,CL,D,E,IL,J,<br>JO,MA,MX,OM,<br>P,PE,SG) | \$1.10/kg on<br>molybdenum<br>content +<br>15%  |
| 2613.90.00             | 00                   | Other.....  | kg.<br>Mo kg                          | 17.8¢/kg on<br>molybdenum<br>content           | Free (A+,AU,BH,<br>CA,CL,D,E,IL,J,<br>JO,MA,MX,OM,<br>P,PE,SG) | 77.2¢/kg on<br>molybdenum<br>content  |

1/ Report value only of stated metal content

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description  | Unit<br>of<br>Quantity                 | Rates of Duty              |  |   |
|------------------------|----------------------|--|--|----------------------------|--|---|
|                        |                      |  |  | 1                          |  | 2   |
|                        |                      |  |  | General                    | Special  |   |
| 2614.00                |                      | Titanium ores and concentrates:  |  |                            |  |   |
| 2614.00.30             | 00                   | Synthetic rutile . . . . .   | kg . . . . .                           | Free                       |  | 30%   |
| 2614.00.60             |                      | Other . . . . .  |  | Free                       |  | Free  |
|                        | 20                   | Ilmenite and ilmenite sand . . . . .   | kg                                     |                            |  |   |
|                        | 40                   | Other (including rutile and rutile sand) . . . . .   | kg                                     |                            |  |   |
| 2615                   |                      | Niobium (columbium), tantalum, vanadium or zirconium<br>ores and concentrates:                               |  |                            |  |   |
| 2615.10.00             | 00                   | Zirconium ores and concentrates. . . . .   | kg . . . . .                           | Free                       |  | Free  |
| 2615.90                |                      | Other:   |  |                            |  |   |
| 2615.90.30             | 00                   | Synthetic tantalum-niobium (columbium)<br>concentrates. . . . .  | kg . . . . .                           | Free                       |  | 30%   |
| 2615.90.60             |                      | Other . . . . .  |  | Free                       |  | Free  |
|                        | 30                   | Niobium (columbium) ores and concentrates. . . . .   | kg                                     |                            |  |   |
|                        | 60                   | Tantalum ores and concentrates. . . . .  | kg                                     |                            |  |   |
|                        | 90                   | Vanadium ores and concentrates. . . . .  | kg<br>V <sub>2</sub> O <sub>5</sub> kg |                            |  |   |
| 2616                   |                      | Precious metal ores and concentrates:  |  |                            |  |   |
| 2616.10.00             |                      | Silver ores and concentrates. . . . .  |  | 0.8¢/kg on lead<br>content | Free (A+,AU,BH,<br>CA,CL,D,E,IL,J,<br>JO,MA,MX,OM,<br>P,PE,SG) | 8.8¢/kg<br>on copper<br>content +<br>3.3¢/kg<br>on lead<br>content +<br>3.7¢/kg<br>on zinc<br>content |
|                        | 10                   | Copper content. . . . .  | Cu kg $\frac{1}{1}$                    |                            |  |   |
|                        | 20                   | Lead content. . . . .  | Pb kg $\frac{1}{1}$                    |                            |  |   |
|                        | 30                   | Zinc content. . . . .  | Zn kg $\frac{1}{1}$                    |                            |  |   |
|                        | 40                   | Silver content. . . . .  | Ag g $\frac{1}{1}$                     |                            |  |   |
|                        | 80                   | Gold content. . . . .  | Au g $\frac{1}{1}$                     |                            |  |   |
| 2616.90.00             |                      | Other. . . . .   |  | 1.7¢/kg on lead<br>content | Free (A+,AU,BH,<br>CA,CL,D,E,IL,J,<br>JO,MA,MX,OM,<br>P,PE,SG) | 8.8¢/kg<br>on copper<br>content +<br>3.3¢/kg<br>on lead<br>content +<br>3.7¢/kg<br>on zinc<br>content |
|                        | 10                   | Copper content. . . . .  | Cu kg $\frac{1}{1}$                    |                            |  |   |
|                        | 20                   | Lead content. . . . .  | Pb kg $\frac{1}{1}$                    |                            |  |   |
|                        | 30                   | Zinc content. . . . .  | Zn kg $\frac{1}{1}$                    |                            |  |   |
|                        | 40                   | Gold content. . . . .  | Au g $\frac{1}{1}$                     |                            |  |   |
|                        | 50                   | Other precious metal content. . . . .  | g $\frac{1}{1}$                        |                            |  |   |
| 2617                   |                      | Other ores and concentrates:   |  |                            |  |   |
| 2617.10.00             | 00                   | Antimony ores and concentrates. . . . .  | kg . . . . .                           | Free                       |  | Free  |
|                        |                      |  | Sb kg                                  |                            |  |   |
| 2617.90.00             |                      | Other . . . . .  |  | Free                       |  | Free  |
|                        | 30                   | Beryllium ores and concentrates. . . . .   | kg                                     |                            |  |   |
|                        | 60                   | Other. . . . .   | kg                                     |                            |  |   |
| 2618.00.00             | 00                   | Granulated slag (slag sand) from the manufacture or iron<br>or steel. . . . .                                | t. . . . .                             | Free                       |  | 10%   |
| 2619.00                |                      | Slag, dross (other than granulated slag), scalings and other<br>waste from the manufacture of iron or steel: |  |                            |  |   |
| 2619.00.30             | 00                   | Ferrous scale. . . . .   | t. . . . .                             | Free                       |  | 73.8¢/t   |
| 2619.00.90             | 00                   | Other. . . . .   | kg . . . . .                           | Free                       |  | Free  |

1/ Report value only of stated metal content.

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description   | Unit<br>of<br>Quantity | Rates of Duty                                       |  |   |
|------------------------|----------------------|---|------------------------|---|--|---|
|                        |                      |   |                        | 1   |  | 2   |
|                        |                      |   |                        | General   | Special  |   |
| 2620                   |                      | Slag, ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds: |                        |   |  |   |
| 2620.11.00             | 00                   | Containing mainly zinc:   |                        |   |  |   |
|                        |                      | Hard zinc spelter.....  | kg.....                | Free  |  | 5%  |
| 2620.19                |                      | Other:  |                        |   |  |   |
| 2620.19.30             | 00                   | Zinc dross and zinc skimmings.....  | kg.....                | Free  |  | 3.3¢/kg   |
|                        |                      | Zn kg   |                        |   |  |   |
| 2620.19.60             |                      | Other.....  |                        | 0.7¢/kg on copper content + 0.7¢/kg on lead content | Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,OM,P,PE, SG) | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content.....   | Cu kg                  | 1/  |  |   |
|                        | 20                   | Lead content.....   | Pb kg                  | 1/  |  |   |
|                        | 30                   | Zinc content.....   | Zn kg                  | 1/  |  |   |
|                        | 40                   | Silver content.....   | Ag g                   | 1/  |  |   |
|                        | 50                   | Gold content.....   | Au g                   | 1/  |  |   |
| 2620.21.00             |                      | Containing mainly lead:   |                        |   |  |   |
|                        |                      | Leaded gasoline sludges and leaded anti-knock compound sludges.....   |                        | Free  |  | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content.....   | Cu kg                  | 1/  |  |   |
|                        | 20                   | Lead content.....   | Pb kg                  | 1/  |  |   |
|                        | 30                   | Zinc content.....   | Zn kg                  | 1/  |  |   |
|                        | 40                   | Silver content.....   | Ag g                   | 1/  |  |   |
|                        | 50                   | Gold content.....   | Au g                   | 1/  |  |   |
| 2620.29.00             |                      | Other.....  |                        | Free  |  | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content.....   | Cu kg                  | 1/  |  |   |
|                        | 20                   | Lead content.....   | Pb kg                  | 1/  |  |   |
|                        | 30                   | Zinc content.....   | Zn kg                  | 1/  |  |   |
|                        | 40                   | Silver content.....   | Ag g                   | 1/  |  |   |
|                        | 50                   | Gold content.....   | Au g                   | 1/  |  |   |
| 2620.30.00             |                      | Containing mainly copper.....   |                        | Free  |  | 8.8¢/kg on copper content + 3.3¢/kg on lead content + 3.7¢/kg on zinc content |
|                        | 10                   | Copper content.....   | Cu kg                  | 1/  |  |   |
|                        | 20                   | Lead content.....   | Pb kg                  | 1/  |  |   |
|                        | 30                   | Zinc content.....   | Zn kg                  | 1/  |  |   |
|                        | 40                   | Silver content.....   | Ag g                   | 1/  |  |   |
|                        | 50                   | Gold content.....   | Au g                   | 1/  |  |   |

1/ Report value only of stated metal content.

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| Heading/<br>Subheading | Stat.<br>Suf-<br>fix | Article Description  | Unit<br>of<br>Quantity                 | Rates of Duty                       |   |                                     |
|------------------------|----------------------|--|--|-------------------------------------|---|-------------------------------------|
|                        |                      |  |  | 1                                   |   | 2                                   |
|                        |                      |  |  | General                             | Special   |                                     |
| 2620 (con.)            |                      | Ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds (con.):   |  |                                     |   |                                     |
| 2620.40.00             | 30                   | Containing mainly aluminum.....  | kg                                     | Free                                |   | Free                                |
|                        | 60                   | Vanadium bearing materials.....  | V <sub>2</sub> O <sub>5</sub> kg       |                                     |   |                                     |
|                        |                      | Other.....   | kg                                     |                                     |   |                                     |
| 2620.60                |                      | Containing arsenic, mercury, thallium or their mixtures, of a kind used for the extraction of arsenic or those metals or for the manufacture of their chemical compounds:  |  |                                     |   |                                     |
| 2620.60.10             | 00                   | Of a kind used only for the extraction of arsenic or the manufacture of its chemical compounds. ....   | kg.....                                | 5%                                  | Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,OM, P,PE,SG) | 25%                                 |
| 2620.60.90             | 00                   | Other.....   | kg.....                                | Free                                |   | 30%                                 |
| 2620.91.00             | 00                   | Other:<br>Containing antimony, beryllium, cadmium, chromium or their mixtures. ....  | kg.....                                | Free                                |   | 30%                                 |
| 2620.99                |                      | Other:   |  |                                     |   |                                     |
| 2620.99.10             | 00                   | Containing mainly vanadium.....  | kg.....                                | Free                                |   | Free                                |
|                        |                      |  | V <sub>2</sub> O <sub>5</sub> kg       |                                     |   |                                     |
| 2620.99.20             | 00                   | Containing mainly tungsten.....  | kg.....<br>W kg                        | 17.6¢/kg on tungsten content + 3.8% | Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,OM, P,PE,SG)    | \$1.32/kg on tungsten content + 40% |
| 2620.99.30             | 00                   | Materials not provided for elsewhere in this heading containing by weight over 10 percent nickel.....  | kg.....<br>Ni kg                       | Free                                |   | Free                                |
| 2620.99.50             | 00                   | Slag containing by weight over 40 percent titanium, and which if containing over 2 percent by weight of copper, lead, or zinc is not to be treated for the recovery thereof.....                                 | kg.....                                | Free                                |   | Free                                |
| 2620.99.75             |                      | Other materials which are residues not advanced in value or condition by any means, and which if containing over 2 percent by weight of copper, lead or zinc are not to be treated for the recovery thereof..... |  | Free                                |   | Free                                |
|                        | 20                   | Vanadium bearing materials.....  | kg<br>V <sub>2</sub> O <sub>5</sub> kg |                                     |   |                                     |
|                        | 40                   | Other (specify kind).....  | kg                                     |                                     |   |                                     |
|                        | 60                   | Silver content. ....   | Ag g                                   | 1/                                  |   |                                     |
|                        | 80                   | Gold content. ....   | Au g                                   | 1/                                  |   |                                     |
| 2620.99.85             | 00                   | Other.....   | kg.....                                | Free                                |   | 30%                                 |
| 2621                   |                      | Other slag and ash, including seaweed ash (kelp); ash and residues from the incineration of municipal waste:   |  |                                     |   |                                     |
| 2621.10.00             | 00                   | Ash and residues from the incineration of municipal waste.....   | t.....                                 | Free                                |   | Free                                |
| 2621.90.00             | 00                   | Other.....   | t.....                                 | Free                                |   | Free                                |

1/ Report value only of stated metal content.