**SECTION VI**

## Chapter 28 Inorganic Chemicals; Organic Or Inorganic Compounds Of Precious Metals, Of Rare-Earth Metals, Of Radioactive Elements Or Of Isotopes

### Chapter Notes

1. Except where the context otherwise requires, the headings of this chapter apply only to:

(a) separate chemical elements and separate chemically defined compounds, whether or not containing impurities;

(b) the products mentioned in (a) above dissolved in water;

(c) the products mentioned in (a) above dissolved in other solvents provided that the solution constitutes a normal and necessary method of putting up these products adopted solely for reasons of safety or for transport and that the solvent does not render the product particularly suitable for specific use rather than for general use;

(d) the products mentioned in (a), (b) or (c) above with an added stabiliser (including an anti-caking agent) necessary for their preservation or transport;

(e) the products mentioned in (a), (b), (c) or (d) above with an added anti-dusting agent or a colouring substance added to facilitate their identification or for safety reasons, provided that the additions do not render the product particularly suitable for specific use rather than for general use.

2. In addition to dithionites and sulphoxylates, stabilised with organic substances (heading 2831), carbonates and peroxocarbonates of inorganic bases (heading 2836), cyanides, cyanide oxides and complex cyanides of inorganic bases (heading 2837), fulminates, cyanates and thiocyanates, of inorganic bases (heading 2842), organic products included in headings 2843 to 2846 and 2852 and carbides (heading 2849), only the following compounds of carbon are to be classified in this chapter:

1. oxides of carbon, hydrogen cyanide and fulminic, isocyanic, thiocyanic and other simple or complex cyanogen acids (heading 2811);
2. halide oxides of carbon (heading 2812);
3. carbon disulphide (heading 2813);
4. thiocarbonates, selenocarbonates, tellurocarbonates, selenocyanates, tellurocyanates, tetrathiocyanatodiamminochromates (reineckates) and other complex cyanates, of inorganic bases (heading 2842);
5. hydrogen peroxide, solidified with urea (heading 2847), carbon oxysulphide, thiocarbonyl halides, cyanogen, cyanogen halides and cyanamide and its metal derivatives (heading 2853) other than calcium cyanamide, whether or not pure (Chapter 31).

3.Subject to the provisions of note 1 to Section VI, this chapter does not cover:

(a) sodium chloride or magnesium oxide, whether or not pure, or other products of Section V;

(b) organo-inorganic compounds other than those mentioned in note 2 above;

(c) products mentioned in note 2, 3, 4 or 5 to Chapter 31;

(d) inorganic products of a kind used as luminophores, of heading 3206; glass frit and other glass in the form of powder, granules or flakes, of heading 3207;

(e) artificial graphite (heading 3801); products put up as charges for fire-extinguishers or put up in fire-extinguishing grenades, of heading 3813; ink removers put up in packings for retail sale, of heading 3824; cultured crystals (other than optical elements) weighing not less than 2.5 g each, of the halides of the alkali or alkaline-earth metals, of heading 3824;

(f) precious or semi-precious stones (natural, synthetic or reconstructed) or dust or powder of such stones (headings 7102 to 7105), or precious metals or precious-metal alloys of Chapter 71;

(g) the metals, whether or not pure, metal alloys or cermets, including sintered metal carbides (metal carbides sintered with a metal), of Section XV; or

(h) optical elements, for example, of the halides of the alkali or alkaline-earth metals (heading 9001).

4. Chemically defined complex acids consisting of a non-metal acid of sub-chapter II and a metal acid of sub-chapter IV are to be classified in heading 2811.

5. Headings 2826 to 2842 apply only to metal or ammonium salts or peroxysalts.

Except where the context otherwise requires, double or complex salts are to be classified in heading 2842.

6. Heading 2844 applies only to:

(a) technetium (atomic No 43), promethium (atomic No 61), polonium (atomic No 84) and all elements with an atomic number greater than 84;

(b) natural or artificial radioactive isotopes (including those of the precious metals or of the base metals of Sections XIV and XV), whether or not mixed together;

(c) compounds, inorganic or organic, of these elements or isotopes, whether or not chemically defined, whether or not mixed together;

(d) alloys, dispersions (including cermets), ceramic products and mixtures containing these elements or isotopes or inorganic or organic compounds thereof and having a specific radioactivity exceeding 74 Bq/g (0.002 μCi/g);

(e) spent (irradiated) fuel elements (cartridges) of nuclear reactors;

(f) radioactive residues whether or not usable. The term ‘isotopes’, for the purposes of this note and of the wording of headings 2844 and 2845, refers to:

— individual nuclides, excluding, however, those existing in nature in the monoisotopic state,

— mixtures of isotopes of one and the same element, enriched in one or several of the said isotopes, that is, elements of which the natural isotopic composition has been artificially modified.

7. Heading 2853 includes copper phosphide (phosphor copper) containing more than 15 % by weight of phosphorus.

8. Chemical elements (for example, silicon and selenium) doped for use in electronics are to be classified in this chapter, provided that they are in forms unworked as drawn, or in the form of cylinders or rods. When cut in the form of discs, wafers or similar forms, they fall in heading 3818.

### Subheading Note

1. For the purposes of subheading 2852 10, the expression ‘chemically defined’ means all organic or inorganic compounds of mercury meeting the requirements of paragraphs (a) to (e) of note 1 to Chapter 28 or paragraphs (a) to (h) of note 1 to Chapter 29.

### Additional Chapter Note

1. Unless provided otherwise, the salts specified in subheadings include acid salts and basic salts.

| Classification | Description |
| --- | --- |
| **2800** | **INORGANIC CHEMICALS; ORGANIC OR INORGANIC COMPOUNDS OF PRECIOUS METALS, OF RARE-EARTH METALS, OF RADIOACTIVE ELEMENTS OR OF ISOTOPES** |
|  | **I. CHEMICAL ELEMENTS** |
| **2801** | **Fluorine, chlorine, bromine and iodine** |
| **2801 10 00 00** | **- Chlorine** |
| **2801 20 00 00** | **- Iodine** |
| **2801 30** | **- Fluorine; bromine** |
| **2801 30 10 00** | - - Fluorine |
| **2801 30 90 00** | - - Bromine |
| **2802 00 00 00** | **Sulphur, sublimed or precipitated; colloidal sulphur** |
| **2803 00 00 00** | **Carbon (carbon blacks and other forms of carbon not elsewhere specified or included)** |
| **2804** | **Hydrogen, rare gases and other non-metals** |
| **2804 10 00 00** | **- Hydrogen** |
|  | **- Rare gases** |
| **2804 21 00 00** | - - Argon |
| **2804 29** | - - Other |
| **2804 29 10 00** | - - - Helium |
| **2804 29 90 00** | - - - Other |
| **2804 30 00 00** | **- Nitrogen** |
| **2804 40 00 00** | **- Oxygen** |
| **2804 50** | **- Boron; tellurium** |
| **2804 50 10 00** | - - Boron |
| **2804 50 90** | - - Tellurium |
| **2804 50 90 40** | - - - Tellurium (CAS RN 13494-80-9) of a purity by weight of 99,99% or more, but not more than 99,999%, based on metallic impurities measured by ICP analysis |
| **2804 50 90 90** | - - - Other |
|  | **- Silicon** |
| **2804 61 00 00** | - - Containing by weight not less than 99,99% of silicon |
| **2804 69** | - - Other |
| **2804 69 00 10** | - - - Consigned from the Republic of Korea |
| **2804 69 00 20** | - - - Consigned from Taiwan |
| **2804 69 00 90** | - - - Other |
| **2804 70 00 00** | **- Phosphorus** |
| **2804 80 00 00** | **- Arsenic** |
| **2804 90 00 00** | **- Selenium** |
| **2805** | **Alkali or alkaline-earth metals; rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury** |
|  | **- Alkali or alkaline-earth metals** |
| **2805 11 00 00** | - - Sodium |
| **2805 12** | - - Calcium |
| **2805 12 00 10** | - - - Calcium with a purity of 98% or more by weight, in powder or wire form (CAS RN 7440-70-2) |
| **2805 12 00 90** | - - - Other |
| **2805 19** | - - Other |
| **2805 19 10 00** | - - - Strontium and barium |
| **2805 19 90** | - - - Other |
| **2805 19 90 20** | - - - - Lithium metal of a purity by weight of 98,8% or more (CAS RN 7439-93-2) |
| **2805 19 90 90** | - - - - Other |
| **2805 30** | **- Rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed** |
| **2805 30 10** | - - Intermixtures or interalloys |
| **2805 30 10 10** | - - - Alloy of cerium with other rare-earth metals, containing by weight 47 % or more of cerium |
|  | - - - Other |
| **2805 30 10 30** | - - - - Containing both neodymium and dysprosium |
| **2805 30 10 40** | - - - - Containing neodymium |
| **2805 30 10 50** | - - - - Containing dysprosium |
| **2805 30 10 80** | - - - - Other |
|  | - - Other |
|  | - - - Of a purity by weight of 95% or more |
| **2805 30 20** | - - - - Cerium, lanthanum, praseodymium, neodymium and samarium |
| **2805 30 20 10** | - - - - - Cerium |
| **2805 30 20 20** | - - - - - Lanthanum |
| **2805 30 20 30** | - - - - - Praseodymium |
| **2805 30 20 40** | - - - - - Neodymium |
| **2805 30 20 50** | - - - - - Samarium |
| **2805 30 30** | - - - - Europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium and yttrium |
| **2805 30 30 10** | - - - - - Europium |
| **2805 30 30 15** | - - - - - Gadolinium |
| **2805 30 30 20** | - - - - - Terbium |
| **2805 30 30 25** | - - - - - Dysprosium |
| **2805 30 30 30** | - - - - - Holmium |
| **2805 30 30 35** | - - - - - Erbium |
| **2805 30 30 40** | - - - - - Thulium |
| **2805 30 30 45** | - - - - - Ytterbium |
| **2805 30 30 50** | - - - - - Lutetium |
| **2805 30 30 55** | - - - - - Yttrium |
| **2805 30 40 00** | - - - - Scandium |
| **2805 30 80 00** | - - - Other |
| **2805 40** | **- Mercury** |
| **2805 40 10 00** | - - In flasks of a net content of 34.5 kg (standard weight), of a fob value, per flask, not exceeding € 224 |
| **2805 40 90 00** | - - Other |
|  | **II. INORGANIC ACIDS AND INORGANIC OXYGEN COMPOUNDS OF NON-METALS** |
| **2806** | **Hydrogen chloride (hydrochloric acid); chlorosulphuric acid** |
| **2806 10 00 00** | **- Hydrogen chloride (hydrochloric acid)** |
| **2806 20 00 00** | **- Chlorosulphuric acid** |
| **2807 00 00 00** | **Sulphuric acid; oleum** |
| **2808 00 00 00** | **Nitric acid; sulphonitric acids** |
| **2809** | **Diphosphorus pentaoxide; phosphoric acid; polyphosphoric acids, whether or not chemically defined** |
| **2809 10 00 00** | **- Diphosphorus pentaoxide** |
| **2809 20 00 00** | **- Phosphoric acid and polyphosphoric acids** |
| **2810** | **Oxides of boron; boric acids** |
| **2810 00 10 00** | **- Diboron trioxide** |
| **2810 00 90 00** | **- Other** |
| **2811** | **Other inorganic acids and other inorganic oxygen compounds of non-metals** |
|  | **- Other inorganic acids** |
| **2811 11 00 00** | - - Hydrogen fluoride (hydrofluoric acid) |
| **2811 12 00 00** | - - Hydrogen cyanide (hydrocyanic acid) |
| **2811 19** | - - Other |
| **2811 19 10 00** | - - - Hydrogen bromide (hydrobromic acid) |
| **2811 19 80** | - - - Other |
| **2811 19 80 10** | - - - - Sulphamidic acid (CAS RN 5329-14-6) |
| **2811 19 80 20** | - - - - Hydrogen iodide (CAS RN 10034-85-2) |
| **2811 19 80 90** | - - - - Other |
|  | **- Other inorganic oxygen compounds of non-metals** |
| **2811 21 00 00** | - - Carbon dioxide |
| **2811 22** | - - Silicon dioxide |
| **2811 22 00 10** | - - - Silicon dioxide (CAS RN 7631-86-9) in the form of powder, for use in the manufacture of high performance liquid chromatography columns (HPLC) and sample preparation cartridges |
| **2811 22 00 15** | - - - Amorphous silicon dioxide (CAS RN 60676-86-0), - in the form of powder - of a purity by weight of 99,0% or more - with a median grain size of 0.7 μm or more, but not more than 2.1 μm - where 70% of the particles have a diameter of not more than 3 μm |
| **2811 22 00 40** | - - - Silica filler in the form of granules, with a purity by weight of 97% or more of silicon dioxide |
| **2811 22 00 60** | - - - Calcined amorphous silicon dioxide powder - with a particle size of not more than 20 µm, and - of a kind used in the production of polyethylene |
| **2811 22 00 90** | - - - Other |
| **2811 29** | - - Other |
| **2811 29 05 00** | - - - Sulphur dioxide |
| **2811 29 10 00** | - - - Sulphur trioxide (sulphuric anhydride); diarsenic trioxide |
| **2811 29 30 00** | - - - Nitrogen oxides |
| **2811 29 90** | - - - Other |
| **2811 29 90 10** | - - - - Tellurium dioxide (CAS RN 7446-07-3) |
| **2811 29 90 90** | - - - - Other |
|  | **III. HALOGEN OR SULPHUR COMPOUNDS OF NON-METALS** |
| **2812** | **Halides and halide oxides of non-metals** |
|  | **- Chlorides and chloride oxides** |
| **2812 11 00 00** | - - Carbonyl dichloride (phosgene) |
| **2812 12 00 00** | - - Phosphorus oxychloride |
| **2812 13 00 00** | - - Phosphorus trichloride |
| **2812 14 00 00** | - - Phosphorus pentachloride |
| **2812 15 00 00** | - - Sulphur monochloride |
| **2812 16 00 00** | - - Sulphur dichloride |
| **2812 17 00 00** | - - Thionyl chloride |
| **2812 19** | - - Other |
| **2812 19 10 00** | - - - Of phosphorus |
| **2812 19 90 00** | - - - Other |
| **2812 90** | **- Other** |
| **2812 90 00 10** | - - Nitrogen trifluoride (CAS RN 7783-54-2) |
| **2812 90 00 90** | - - Other |
| **2813** | **Sulphides of non-metals; commercial phosphorus trisulphide** |
| **2813 10 00 00** | **- Carbon disulphide** |
| **2813 90** | **- Other** |
| **2813 90 10 00** | - - Phosphorus sulphides, commercial phosphorus trisulphide |
| **2813 90 90 00** | - - Other |
|  | **IV. INORGANIC BASES AND OXIDES, HYDROXIDES AND PEROXIDES OF METALS** |
| **2814** | **Ammonia, anhydrous or in aqueous solution** |
| **2814 10 00 00** | **- Anhydrous ammonia** |
| **2814 20 00 00** | **- Ammonia in aqueous solution** |
| **2815** | **Sodium hydroxide (caustic soda); potassium hydroxide (caustic potash); peroxides of sodium or potassium** |
|  | **- Sodium hydroxide (caustic soda)** |
| **2815 11 00 00** | - - Solid |
| **2815 12 00 00** | - - In aqueous solution (soda lye or liquid soda) |
| **2815 20 00 00** | **- Potassium hydroxide (caustic potash)** |
| **2815 30 00 00** | **- Peroxides of sodium or potassium** |
| **2816** | **Hydroxide and peroxide of magnesium; oxides, hydroxides and peroxides, of strontium or barium** |
| **2816 10 00 00** | **- Hydroxide and peroxide of magnesium** |
| **2816 40** | **- Oxides, hydroxides and peroxides, of strontium or barium** |
| **2816 40 00 10** | - - Barium hydroxide (CAS RN 17194-00-2) |
| **2816 40 00 90** | - - Other |
| **2817 00 00 00** | **Zinc oxide; zinc peroxide** |
| **2818** | **Artificial corundum, whether or not chemically defined; aluminium oxide; aluminium hydroxide** |
| **2818 10** | **- Artificial corundum, whether or not chemically defined** |
|  | - - With an aluminium oxide content of 98,5% by weight or more |
| **2818 10 11 00** | - - - With less than 50% of the total weight having a particle size of more than 10 mm |
| **2818 10 19 00** | - - - With 50% or more of the total weight having a particle size of more than 10 mm |
|  | - - With an aluminium oxide content of less than 98,5% by weight |
| **2818 10 91** | - - - With less than 50% of the total weight having a particle size of more than 10 mm |
| **2818 10 91 20** | - - - - Sintered corundum with a micro crystalline structure, consisting of aluminium oxide (CAS RN 1344-28-1), magnesium aluminate (CAS RN 12068-51-8) and the rare earth aluminates of yttrium, lanthanum, and neodymium, with a content by weight (calculated as oxides) of: - 94% or more, but less than 98,5% of aluminium oxide, - 2% (± 1,5%) of magnesium oxide, - 1% (± 0,6%) of yttrium oxide, and - either 2% (± 1,2%) of lanthanum oxide or - 2% (± 1,2%) of lanthanum oxide and neodymium oxide, with less than 50% of the total weight having a particle size of more than 10 mm |
| **2818 10 91 90** | - - - - Other |
| **2818 10 99 00** | - - - With 50% or more of the total weight having a particle size of more than 10 mm |
| **2818 20** | **- Aluminium oxide, other than artificial corundum** |
| **2818 20 00 10** | - - Activated alumina with a specific surface area of at least 350 m2/g |
| **2818 20 00 90** | - - Other |
| **2818 30** | **- Aluminium hydroxide** |
| **2818 30 00 20** | - - Aluminium hydroxide (CAS RN 21645-51-2) - in the form of powder - with a purity by weight of 99,5% or more - with a decomposition point of 263o C or more - with a particle size of 4 µm (± 1 µm) - with a Total-Na2O-content by weight of not more than 0,06% |
| **2818 30 00 30** | - - Aluminium hydroxide oxide (CAS RN 1318-23-6) in the form of boehmite or pseudoboehmite |
| **2818 30 00 90** | - - Other |
| **2819** | **Chromium oxides and hydroxides** |
| **2819 10 00 00** | **- Chromium trioxide** |
| **2819 90** | **- Other** |
| **2819 90 10 00** | - - Chromium dioxide |
| **2819 90 90** | - - Other |
| **2819 90 90 10** | - - - Dichromium trioxide for use in metallurgy (CAS RN 1308-38-9) |
| **2819 90 90 90** | - - - Other |
| **2820** | **Manganese oxides** |
| **2820 10** | **- Manganese dioxide** |
| **2820 10 00 10** | - - Electrolytic manganese dioxides (i.e. manganese dioxides produced through an electrolytic process) not heat treated after the electrolytic process |
| **2820 10 00 90** | - - Other |
| **2820 90** | **- Other** |
| **2820 90 10 00** | - - Manganese oxide containing by weight 77% or more of manganese |
| **2820 90 90 00** | - - Other |
| **2821** | **Iron oxides and hydroxides; earth colours containing 70% or more by weight of combined iron evaluated as Fe**2O3 |
| **2821 10 00 00** | **- Iron oxides and hydroxides** |
| **2821 20 00 00** | **- Earth colours** |
| **2822 00 00 00** | **Cobalt oxides and hydroxides; commercial cobalt oxides** |
| **2823** | **Titanium oxides** |
| **2823 00 00 10** | **- Titanium dioxide (CAS RN 13463-67-7):** - of a purity by weight of 99,9% or more, - with an average grain-size of 0.7 μm or more but not more than 2.1 μm |
| **2823 00 00 90** | **- Other** |
| **2824** | **Lead oxides; red lead and orange lead** |
| **2824 10 00 00** | **- Lead monoxide (litharge, massicot)** |
| **2824 90 00 00** | **- Other** |
| **2825** | **Hydrazine and hydroxylamine and their inorganic salts; other inorganic bases; other metal oxides, hydroxides and peroxides** |
| **2825 10** | **- Hydrazine and hydroxylamine and their inorganic salts** |
| **2825 10 00 10** | - - Hydroxylammonium chloride (CAS RN 5470-11-1) |
| **2825 10 00 90** | - - Other |
| **2825 20 00 00** | **- Lithium oxide and hydroxide** |
| **2825 30 00 00** | **- Vanadium oxides and hydroxides** |
| **2825 40 00 00** | **- Nickel oxides and hydroxides** |
| **2825 50** | **- Copper oxides and hydroxides** |
| **2825 50 00 20** | - - Copper (I or II) oxide containing by weight 78% or more of copper and not more than 0,03% of chloride |
| **2825 50 00 30** | - - Copper (II) oxide (CAS RN 1317-38-0), with a particle size of not more than 100 nm |
| **2825 50 00 80** | - - Other |
| **2825 60** | **- Germanium oxides and zirconium dioxide** |
| **2825 60 00 10** | - - Zirconium dioxide (CAS RN 1314-23-4) |
| **2825 60 00 90** | - - Other |
| **2825 70** | **- Molybdenum oxides and hydroxides** |
| **2825 70 00 10** | - - Molybdenum trioxide (CAS RN 1313-27-5) |
| **2825 70 00 20** | - - Molybdic Acid (CAS RN 7782-91-4) |
| **2825 70 00 90** | - - Other |
| **2825 80 00 00** | **- Antimony oxides** |
| **2825 90** | **- Other** |
|  | - - Calcium oxide, hydroxide and peroxide |
| **2825 90 11 00** | - - - Calcium hydroxide of a purity of 98% or more calculated on the dry weight, in the form of particles of which:- not more than 1% by weight have a particle-size exceeding 75 micrometres and- not more than 4% by weight have a particle-size of less than 1.3 micrometres |
| **2825 90 19 00** | - - - Other |
| **2825 90 20 00** | - - Beryllium oxide and hydroxide |
| **2825 90 40** | - - Tungsten oxides and hydroxides |
| **2825 90 40 30** | - - - Tungsten trioxide, including blue tungsten oxide (CAS RN 1314-35-8 or CAS RN 39318-18-8) |
| **2825 90 40 80** | - - - Other |
| **2825 90 60 00** | - - Cadmium oxide |
| **2825 90 85** | - - Other |
| **2825 90 85 10** | - - - Tin oxides and hydroxides |
| **2825 90 85 90** | - - - Other |
|  | **V. SALTS AND PEROXYSALTS, OF INORGANIC ACIDS AND METALS** |
| **2826** | **Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts** |
|  | **- Fluorides** |
| **2826 12 00 00** | - - Of aluminium |
| **2826 19** | - - Other |
| **2826 19 10 00** | - - - Of ammonium or of sodium |
| **2826 19 90** | - - - Other |
| **2826 19 90 10** | - - - - Tungsten hexafluoride with a purity of 99,9% by weight or more (CAS RN 7783-82-6) |
| **2826 19 90 90** | - - - - Other |
| **2826 30 00 00** | **- Sodium hexafluoroaluminate (synthetic cryolite)** |
| **2826 90** | **- Other** |
| **2826 90 10 00** | - - Dipotassium hexafluorozirconate |
| **2826 90 80** | - - Other |
| **2826 90 80 10** | - - - Lithium hexafluorophosphate (1-) (CAS RN 21324-40-3) |
| **2826 90 80 20** | - - - Lithium difluorophosphate (CAS RN 24389-25-1) |
| **2826 90 80 90** | - - - Other |
| **2827** | **Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides** |
| **2827 10 00 00** | **- Ammonium chloride** |
| **2827 20 00 00** | **- Calcium chloride** |
|  | **- Other chlorides** |
| **2827 31 00 00** | - - Of magnesium |
| **2827 32 00 00** | - - Of aluminium |
| **2827 35 00 00** | - - Of nickel |
| **2827 39** | - - Other |
| **2827 39 10 00** | - - - Of tin |
| **2827 39 20 00** | - - - Of iron |
| **2827 39 30 00** | - - - Of cobalt |
| **2827 39 85** | - - - Other |
| **2827 39 85 10** | - - - - Copper monochloride of a purity by weight of 96% or more but not more than 99% (CAS RN 7758-89-6) |
| **2827 39 85 20** | - - - - Antimony pentachloride of a purity by weight of 99% or more (CAS RN 7647-18-9) |
| **2827 39 85 40** | - - - - Barium chloride dihydrate (CAS RN 10326-27-9) |
| **2827 39 85 90** | - - - - Other |
|  | **- Chloride oxides and chloride hydroxides** |
| **2827 41 00 00** | - - Of copper |
| **2827 49** | - - Other |
| **2827 49 10 00** | - - - Of lead |
| **2827 49 90** | - - - Other |
| **2827 49 90 10** | - - - - Hydrated zirconium dichloride oxide |
| **2827 49 90 90** | - - - - Other |
|  | **- Bromides and bromide oxides** |
| **2827 51 00 00** | - - Bromides of sodium or of potassium |
| **2827 59 00 00** | - - Other |
| **2827 60** | **- Iodides and iodide oxides** |
| **2827 60 00 10** | - - Sodium iodide (CAS RN 7681-82-5) |
| **2827 60 00 90** | - - Other |
| **2828** | **Hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites** |
| **2828 10 00 00** | **- Commercial calcium hypochlorite and other calcium hypochlorites** |
| **2828 90 00 00** | **- Other** |
| **2829** | **Chlorates and perchlorates; bromates and perbromates; iodates and periodates** |
|  | **- Chlorates** |
| **2829 11 00 00** | - - Of sodium |
| **2829 19 00 00** | - - Other |
| **2829 90** | **- Other** |
| **2829 90 10 00** | - - Perchlorates |
| **2829 90 40 00** | - - Bromates of potassium or of sodium |
| **2829 90 80 00** | - - Other |
| **2830** | **Sulphides; polysulphides, whether or not chemically defined** |
| **2830 10** | **- Sodium sulphides** |
| **2830 10 00 10** | - - Disodium tetrasulfide, containing by weight 38% or less of sodium calculated on the dry weight |
| **2830 10 00 90** | - - Other |
| **2830 90** | **- Other** |
| **2830 90 11 00** | - - Sulphides of calcium, of antimony or of iron |
| **2830 90 85 00** | - - Other |
| **2831** | **Dithionites and sulphoxylates** |
| **2831 10 00 00** | **- Of sodium** |
| **2831 90 00 00** | **- Other** |
| **2832** | **Sulphites; thiosulphates** |
| **2832 10 00 00** | **- Sodium sulphites** |
| **2832 20 00 00** | **- Other sulphites** |
| **2832 30 00 00** | **- Thiosulphates** |
| **2833** | **Sulphates; alums; peroxosulphates (persulphates)** |
|  | **- Sodium sulphates** |
| **2833 11 00 00** | - - Disodium sulphate |
| **2833 19 00 00** | - - Other |
|  | **- Other sulphates** |
| **2833 21 00 00** | - - Of magnesium |
| **2833 22 00 00** | - - Of aluminium |
| **2833 24 00 00** | - - Of nickel |
| **2833 25 00 00** | - - Of copper |
| **2833 27 00 00** | - - Of barium |
| **2833 29** | - - Other |
| **2833 29 20 00** | - - - Of cadmium; of chromium; of zinc |
| **2833 29 30 00** | - - - Of cobalt; of titanium |
| **2833 29 60 00** | - - - Of lead |
| **2833 29 80** | - - - Other |
| **2833 29 80 20** | - - - - Manganese sulphate monohydrate (CAS RN 10034-96-5) |
| **2833 29 80 30** | - - - - Zirconium sulphate (CAS RN 14644-61-2) |
| **2833 29 80 40** | - - - - Cesium sulphate (CAS RN 10294-54-9) in solid form or as aqueous solution containing by weight more than 48 % but not more than 52 % of cesium sulphate |
| **2833 29 80 80** | - - - - Other |
| **2833 30 00 00** | **- Alums** |
| **2833 40 00 00** | **- Peroxosulphates (persulphates)** |
| **2834** | **Nitrites; nitrates** |
| **2834 10 00 00** | **- Nitrites** |
|  | **- Nitrates** |
| **2834 21 00 00** | - - Of potassium |
| **2834 29** | - - Other |
| **2834 29 20 00** | - - - Of barium; of beryllium; of cadmium; of cobalt; of nickel; of lead |
| **2834 29 40 00** | - - - Of copper |
| **2834 29 80 00** | - - - Other |
| **2835** | **Phosphinates (hypophosphites), phosphonates (phosphites) and phosphates; polyphosphates, whether or not chemically defined** |
| **2835 10** | **- Phosphinates (hypophosphites) and phosphonates (phosphites)** |
| **2835 10 00 10** | - - Sodium hypophosphite monohydrate (CAS RN 10039-56-2) |
| **2835 10 00 20** | - - Sodium hypophosphite (CAS RN 7681-53-0) |
| **2835 10 00 30** | - - Aluminium Phosphinate (CAS RN 7784-22-7) |
| **2835 10 00 90** | - - Other |
|  | **- Phosphates** |
| **2835 22 00 00** | - - Of mono- or disodium |
| **2835 24 00 00** | - - Of potassium |
| **2835 25 00 00** | - - Calcium hydrogenorthophosphate ('dicalcium phosphate') |
| **2835 26 00 00** | - - Other phosphates of calcium |
| **2835 29** | - - Other |
| **2835 29 10 00** | - - - Of triammonium |
| **2835 29 30 00** | - - - Of trisodium |
| **2835 29 90 00** | - - - Other |
|  | **- Polyphosphates** |
| **2835 31 00 00** | - - Sodium triphosphate (sodium tripolyphosphate) |
| **2835 39 00 00** | - - Other |
| **2836** | **Carbonates; peroxocarbonates (percarbonates); commercial ammonium carbonate containing ammonium carbamate** |
| **2836 20 00 00** | **- Disodium carbonate** |
| **2836 30 00 00** | **- Sodium hydrogencarbonate (sodium bicarbonate)** |
| **2836 40 00 00** | **- Potassium carbonates** |
| **2836 50 00 00** | **- Calcium carbonate** |
| **2836 60** | **- Barium carbonate** |
| **2836 60 00 10** | - - Barium carbonate with a strontium content of more than 0,07% by weight and a sulphur content of more than 0,0015% by weight, whether in powder, pressed granular or calcined granular form |
| **2836 60 00 90** | - - Other |
|  | **- Other** |
| **2836 91** | - - Lithium carbonates |
| **2836 91 00 20** | - - - Lithium carbonate, containing one or more of the following impurities at the concentrations indicated: - 2 mg/kg or more of arsenic, - 200 mg/kg or more of calcium, - 200 mg/kg or more of chlorides, - 20 mg/kg or more of iron, - 150 mg/kg or more of magnesium, - 20 mg/kg or more of heavy metals, - 300 mg/kg or more of potassium, - 300 mg/kg or more of sodium, - 200 mg/kg or more of sulphates, determined according to the methods specified in the European Pharmacopœia |
| **2836 91 00 90** | - - - Other |
| **2836 92 00 00** | - - Strontium carbonate |
| **2836 99** | - - Other |
|  | - - - Carbonates |
| **2836 99 11 00** | - - - - Of magnesium; of copper |
| **2836 99 17** | - - - - Other |
| **2836 99 17 30** | - - - - - Zirconium (IV) basic carbonate (CAS RN 57219-64-4 or 37356-18-6) with a purity by weight of 96% or more |
| **2836 99 17 80** | - - - - - Other |
| **2836 99 90 00** | - - - Peroxocarbonates (percarbonates) |
| **2837** | **Cyanides, cyanide oxides and complex cyanides** |
|  | **- Cyanides and cyanide oxides** |
| **2837 11 00 00** | - - Of sodium |
| **2837 19** | - - Other |
| **2837 19 00 20** | - - - Copper cyanide (CAS RN 544-92-3) |
| **2837 19 00 90** | - - - Other |
| **2837 20** | **- Complex cyanides** |
| **2837 20 00 10** | - - Tetrasodium hexacyanoferrate (II), (CAS RN 13601-19-9) |
| **2837 20 00 90** | - - Other |
| **2839** | **Silicates; commercial alkali metal silicates** |
|  | **- Of sodium** |
| **2839 11 00 00** | - - Sodium metasilicates |
| **2839 19** | - - Other |
| **2839 19 00 10** | - - - Disodium disilicate (CAS RN 13870-28-5) |
| **2839 19 00 90** | - - - Other |
| **2839 90** | **- Other** |
| **2839 90 00 20** | - - Calcium silicate (CAS RN 1344-95-2) |
| **2839 90 00 90** | - - Other |
| **2840** | **Borates; peroxoborates (perborates)** |
|  | **- Disodium tetraborate (refined borax)** |
| **2840 11 00 00** | - - Anhydrous |
| **2840 19** | - - Other |
| **2840 19 10 00** | - - - Disodium tetraborate pentahydrate |
| **2840 19 90 00** | - - - Other |
| **2840 20** | **- Other borates** |
| **2840 20 10 00** | - - Borates of sodium, anhydrous |
| **2840 20 90** | - - Other |
| **2840 20 90 10** | - - - Zinc borate (CAS RN 12767-90-7) |
| **2840 20 90 90** | - - - Other |
| **2840 30 00 00** | **- Peroxoborates (perborates)** |
| **2841** | **Salts of oxometallic or peroxometallic acids** |
| **2841 30 00 00** | **- Sodium dichromate** |
| **2841 50** | **- Other chromates and dichromates; peroxochromates** |
| **2841 50 00 10** | - - Potassium dichromate (CAS RN 7778-50-9) |
| **2841 50 00 90** | - - Other |
|  | **- Manganites, manganates and permanganates** |
| **2841 61 00 00** | - - Potassium permanganate |
| **2841 69 00 00** | - - Other |
| **2841 70** | **- Molybdates** |
| **2841 70 00 10** | - - Diammonium tetraoxomolybdate(2-) (CAS RN 13106-76-8) |
| **2841 70 00 20** | - - Diammonium tridecaoxotetramolybdate(2-) (CAS RN 12207-64-6) |
| **2841 70 00 30** | - - Hexaammonium heptamolybdate, anhydrous (CAS RN 12027-67-7) or as tetrahydrate (CAS RN 12054-85-2) |
| **2841 70 00 40** | - - Diammonium dimolybdate (CAS RN 27546-07-2) |
| **2841 70 00 90** | - - Other |
| **2841 80** | **- Tungstates (wolframates)** |
| **2841 80 00 10** | - - Diammonium wolframate (ammonium paratungstate) (CAS RN 11120-25-5) |
| **2841 80 00 90** | - - Other |
| **2841 90** | **- Other** |
| **2841 90 30** | - - Zincates and vanadates |
| **2841 90 30 10** | - - - Potassium metavanadate (CAS RN 13769-43-2) |
| **2841 90 30 90** | - - - Other |
| **2841 90 85** | - - Other |
| **2841 90 85 10** | - - - Lithium cobalt(III) oxide with a cobalt content of at least 59% (CAS RN 12190-79-3) |
| **2841 90 85 20** | - - - Potassium titanium oxide in powder form with a purity of 99% or more (CAS RN 12056-51-8) |
| **2841 90 85 30** | - - - Tantalates |
| **2841 90 85 90** | - - - Other |
| **2842** | **Other salts of inorganic acids or peroxoacids (including aluminosilicates whether or not chemically defined), other than azides** |
| **2842 10** | **- Double or complex silicates, including aluminosilicates whether or not chemically defined** |
| **2842 10 00 10** | - - Synthetic Beta Zeolite powder |
| **2842 10 00 20** | - - Synthetic Chabasite Zeolite Powder |
| **2842 10 00 40** | - - Aluminosilicate (CAS RN 1318-02-1) with a zeolite structure of Aluminophosphate-eighteen (AEI) for use in the manufacture of catalytic preparations |
| **2842 10 00 50** | - - Fluorphlogopite (CAS RN 12003-38-2) |
| **2842 10 00 90** | - - Other |
| **2842 90** | **- Other** |
| **2842 90 10** | - - Salts, double salts or complex salts of selenium or tellurium acids |
| **2842 90 10 10** | - - - Sodium selenate (CAS RN 13410-01-0) |
| **2842 90 10 90** | - - - Other |
| **2842 90 80** | - - Other |
| **2842 90 80 20** | - - - Potassium peroxymonosulphate sulphate |
| **2842 90 80 30** | - - - Aluminum trititanium dodecachloride (CAS RN 12003-13-3) |
| **2842 90 80 80** | - - - Other |
|  | **VI. MISCELLANEOUS** |
| **2843** | **Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals** |
| **2843 10** | **- Colloidal precious metals** |
| **2843 10 10 00** | - - Silver |
| **2843 10 90 00** | - - Other |
|  | **- Silver compounds** |
| **2843 21 00 00** | - - Silver nitrate |
| **2843 29 00 00** | - - Other |
| **2843 30 00 00** | **- Gold compounds** |
| **2843 90** | **- Other compounds; amalgams** |
| **2843 90 10 00** | - - Amalgams |
| **2843 90 90 00** | - - Other |
| **2844** | **Radioactive chemical elements and radioactive isotopes (including the fissile or fertile chemical elements and isotopes) and their compounds; mixtures and residues containing these products** |
| **2844 10** | **- Natural uranium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing natural uranium or natural uranium compounds** |
|  | - - Natural uranium |
| **2844 10 10 00** | - - - Crude; waste and scrap |
| **2844 10 30 00** | - - - Worked |
| **2844 10 50 00** | - - Ferro-uranium |
| **2844 10 90 00** | - - Other |
| **2844 20** | **- Uranium enriched in U 235 and its compounds; plutonium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium enriched in U 235, plutonium or compounds of these products** |
|  | - - Uranium enriched in U 235 and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium enriched in U 235 or compounds of these products |
| **2844 20 25 00** | - - - Ferro-uranium |
| **2844 20 35 00** | - - - Other |
|  | - - Plutonium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing plutonium or compounds of these products |
|  | - - - Mixtures of uranium and plutonium |
| **2844 20 51 00** | - - - - Ferro-uranium |
| **2844 20 59 00** | - - - - Other |
| **2844 20 99 00** | - - - Other |
| **2844 30** | **- Uranium depleted in U 235 and its compounds; thorium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium depleted in U 235, thorium or compounds of these products** |
|  | - - Uranium depleted in U 235; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium depleted in U 235 or compounds of this product |
| **2844 30 11** | - - - Cermets |
| **2844 30 11 10** | - - - - Unwrought; waste and scrap |
| **2844 30 11 90** | - - - - Other |
| **2844 30 19 00** | - - - Other |
|  | - - Thorium; alloys, dispersions (including cermets), ceramic products and mixtures containing thorium or compounds of this product |
| **2844 30 51** | - - - Cermets |
| **2844 30 51 10** | - - - - Unwrought; waste and scrap |
| **2844 30 51 90** | - - - - Other |
|  | - - - Other |
| **2844 30 55 00** | - - - - Crude, waste and scrap |
|  | - - - - Worked |
| **2844 30 61 00** | - - - - - Bars, rods, angles, shapes and sections, sheets and strips |
| **2844 30 69 00** | - - - - - Other |
|  | - - Compounds of uranium depleted in U 235 or of thorium, whether or not mixed together |
| **2844 30 91 00** | - - - Of thorium or of uranium depleted in U 235, whether or not mixed together , other than thorium salts |
| **2844 30 99 00** | - - - Other |
| **2844 40** | **- Radioactive elements and isotopes and compounds other than those of subheading 2844 10, 2844 20 or 2844 30; alloys, dispersions (including cermets), ceramic products and mixtures containing these elements, isotopes or compounds; radioactive residues** |
| **2844 40 10 00** | - - Uranium derived from U 233 and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures and compounds derived from U 233 or compounds of this product |
|  | - - Other |
| **2844 40 20 00** | - - - Artificial radioactive isotopes |
| **2844 40 30 00** | - - - Compounds of artificial radioactive isotopes |
| **2844 40 80 00** | - - - Other |
| **2844 50 00 00** | **- Spent (irradiated) fuel elements (cartridges) of nuclear reactors** |
| **2845** | **Isotopes other than those of heading 2844; compounds, inorganic or organic, of such isotopes, whether or not chemically defined** |
| **2845 10 00 00** | **- Heavy water (deuterium oxide)** |
| **2845 90** | **- Other** |
| **2845 90 10 00** | - - Deuterium and compounds thereof; hydrogen and compounds thereof, enriched in deuterium; mixtures and solutions containing these products |
| **2845 90 90** | - - Other |
| **2845 90 90 10** | - - - Helium-3 (CAS RN 14762-55-1) |
| **2845 90 90 20** | - - - Water enriched at a level of 95% or more by weight with oxygen-18 (CAS RN 14314-42-2) |
| **2845 90 90 30** | - - - (13C)Carbon monoxide (CAS RN 1641-69-6) |
| **2845 90 90 90** | - - - other |
| **2846** | **Compounds, inorganic or organic, of rare-earth metals, of yttrium or of scandium or of mixtures of these metals** |
| **2846 10** | **- Cerium compounds** |
| **2846 10 00 10** | - - Rare-earth concentrate containing by weight 60% or more but not more than 95% of rare-earth oxides and not more than 1% each of zirconium oxide, aluminium oxide or iron oxide, and having a loss on ignition of 5% or more by weight |
| **2846 10 00 20** | - - Dicerium tricarbonate, whether or not hydrated (CAS RN 537-01-9) |
| **2846 10 00 30** | - - Cerium lanthanum carbonate, whether or not hydrated |
| **2846 10 00 90** | - - Other |
| **2846 90** | **- Other** |
| **2846 90 10** | - - Compounds of lanthanum, praseodymium, neodymium or samarium |
| **2846 90 10 20** | - - - Lanthanum compounds |
| **2846 90 10 30** | - - - Praseodymium compounds |
| **2846 90 10 40** | - - - Neodymium compounds |
| **2846 90 10 50** | - - - Samarium compounds |
| **2846 90 20** | - - Compounds of europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium or yttrium |
| **2846 90 20 10** | - - - Europium compounds |
| **2846 90 20 15** | - - - Gadolinium compounds |
| **2846 90 20 20** | - - - Terbium compounds |
| **2846 90 20 25** | - - - Dysprosium compounds |
| **2846 90 20 30** | - - - Holmium compounds |
| **2846 90 20 35** | - - - Erbium compounds |
| **2846 90 20 40** | - - - Thulium compounds |
| **2846 90 20 45** | - - - Ytterbium compounds |
| **2846 90 20 50** | - - - Lutetium compounds |
| **2846 90 20 55** | - - - Yttrium compounds |
| **2846 90 30 00** | - - Scandium compounds |
| **2846 90 90 00** | - - Compounds of mixtures of metals |
| **2847 00 00 00** | **Hydrogen peroxide, whether or not solidified with urea** |
| **2849** | **Carbides, whether or not chemically defined** |
| **2849 10 00 00** | **- Of calcium** |
| **2849 20 00 00** | **- Of silicon** |
| **2849 90** | **- Other** |
| **2849 90 10 00** | - - Of boron |
| **2849 90 30 00** | - - Of tungsten |
| **2849 90 50** | - - Of aluminium; of chromium; of molybdenum; of vanadium; of tantalum; of titanium |
| **2849 90 50 10** | - - - Of tantalum |
| **2849 90 50 90** | - - - Other |
| **2849 90 90 00** | - - Other |
| **2850** | **Hydrides, nitrides, azides, silicides and borides, whether or not chemically defined, other than compounds which are also carbides of heading 2849** |
| **2850 00 20** | **- Hydrides; nitrides** |
| **2850 00 20 10** | - - Silane (CAS RN 7803-62-5) |
| **2850 00 20 20** | - - Arsine (CAS RN 7784-42-1) |
| **2850 00 20 30** | - - Titanium nitride with a particle size of not more than 250 nm (CAS RN 25583-20-4) |
| **2850 00 20 40** | - - Germanium tetrahydride (CAS RN 7782-65-2) |
| **2850 00 20 60** | - - Disilane (CAS RN 1590-87-0) |
| **2850 00 20 70** | - - Cubic Boron nitride (CAS RN 10043-11-5) |
| **2850 00 20 90** | - - Other |
| **2850 00 60** | **- Azides; silicides** |
|  | - - Azides |
| **2850 00 60 10** | - - - Sodium azide (CAS RN 26628-22-8) |
| **2850 00 60 19** | - - - Other |
| **2850 00 60 90** | - - Silicides |
| **2850 00 90 00** | **- Borides** |
| **2852** | **Inorganic or organic compounds of mercury, whether or not chemically defined, excluding amalgams** |
| **2852 10 00 00** | **- Chemically defined** |
| **2852 90 00 00** | **- Other** |
| **2853** | **Phosphides, whether or not chemically defined, excluding ferrophosphorus; other inorganic compounds (including distilled or conductivity water and water of similar purity); liquid air (whether or not rare gases have been removed); compressed air; amalgams, other than amalgams of precious metals** |
| **2853 10 00 00** | **- Cyanogen chloride (chlorcyan)** |
| **2853 90** | **- Other** |
| **2853 90 10 00** | - - Distilled or conductivity water and water of similar purity |
| **2853 90 30 00** | - - Liquid air (whether or not rare gases have been removed); compressed air |
| **2853 90 90** | - - Other |
| **2853 90 90 20** | - - - Phosphine (CAS RN 7803-51-2) |
| **2853 90 90 90** | - - - Other |