

SECTION C — CHEMISTRY; METALLURGY

C01 INORGANIC CHEMISTRY

C01G COMPOUNDS CONTAINING METALS NOT COVERED BY SUBCLASSES C01D OR C01F (metal hydrides C01B 6/00; salts of oxyacids of halogens C01B 11/00; peroxides, salts of peroxyacids C01B 15/00; thiosulfates, dithionites, polythionates C01B 17/64; compounds containing selenium or tellurium C01B 19/00; binary compounds of nitrogen with metals C01B 21/06; azides C01B 21/08; metal amides C01B 21/092; nitrites C01B 21/50; phosphides C01B 25/08; salts of oxyacids of phosphorus C01B 25/16; carbides C01B 31/30; compounds containing silicon C01B 33/00; compounds containing boron C01B 35/00; compounds having molecular sieve properties but not having base-exchange properties C01B 37/00; compounds having molecular sieve and base-exchange properties, e.g. crystalline zeolites, C01B 39/00; cyanides C01C 3/08; salts of cyanic acid C01C 3/14; salts of cyanamide C01C 3/16; thiocyanates C01C 3/20; fermentation or enzyme-using processes for the preparation of elements or inorganic compounds except carbon dioxide C12P 3/00; obtaining metal compounds from mixtures, e.g. ores, which are intermediate compounds in a metallurgical process for obtaining a free metal C21B, C22B; production of non-metallic elements or inorganic compounds by electrolysis or electrophoresis C25B)

Note(s)

1. Attention is drawn to Note (1) after class C01, which defines the last place priority rule applied in this class, i.e. in the range of subclasses C01B-C01G and within these subclasses.
2. Therapeutic activity of compounds is further classified in subclass A61P.

Subclass index

GENERAL METHODS OF PREPARATION.....	1/00
METALLIC COMPOUNDS, IN ALPHABETICAL ORDER OF THE SYMBOL FOR THE METAL	
Ag Silver.....	5/00
As Arsenic.....	28/00
Au Gold.....	7/00
Bi Bismuth.....	29/00
Cd Cadmium.....	11/00
Co Cobalt.....	51/00
Cr Chromium.....	37/00
Cu Copper.....	3/00
Fe Iron.....	49/00
Ga Gallium.....	15/00
Ge Germanium.....	17/00
Hf Hafnium.....	27/00
Hg Mercury.....	13/00
In Indium.....	15/00
Ir Iridium.....	55/00
Mn Manganese.....	45/00
Mo Molybdenum.....	39/00
Nb Niobium.....	33/00
Ni Nickel.....	53/00
Os Osmium.....	55/00
Pb Lead.....	21/00
Pd Palladium.....	55/00
Pt Platinum.....	55/00
Re Rhenium.....	47/00
Rh Rhodium.....	55/00
Ru Ruthenium.....	55/00
Sb Antimony.....	30/00
Sn Tin.....	19/00
Ta Tantalum.....	35/00
Ti Titanium.....	23/00
Tl Thallium.....	15/00
U Uranium.....	43/00
V Vanadium.....	31/00
W Tungsten.....	41/00
Zn Zinc.....	9/00
Zr Zirconium.....	25/00
COMPOUNDS OF TRANSURANIC ELEMENTS.....	56/00

1/00	Methods of preparing compounds of metals not covered by subclasses C01B, C01C, C01D, C01F, in general (electrolytic production of inorganic compounds C25B 1/00) [2]	21/16	• Halides
1/02	• Oxides	21/18	• Nitrates
1/04	• Carbonyls	21/20	• Sulfates
1/06	• Halides	21/21	• Sulfides [3]
1/08	• Nitrates	21/22	• Plumbates; Plumbites
1/10	• Sulfates		
1/12	• Sulfides	23/00	Compounds of titanium
1/14	• Sulfites	23/02	• Halides of titanium
		23/04	• Oxides; Hydroxides [3]
3/00	Compounds of copper	23/047	• • Titanium dioxide [3]
3/02	• Oxides; Hydroxides	23/053	• • • Producing by wet processes, e.g. hydrolysing titanium salts [3]
3/04	• Halides	23/07	• • • Producing by vapour phase processes, e.g. halide oxidation [3]
3/05	• • Chlorides [3]	23/08	• • • Drying; Calcining [3]
3/06	• • Oxychlorides		
3/08	• Nitrates	25/00	Compounds of zirconium
3/10	• Sulfates	25/02	• Oxides
3/12	• Sulfides	25/04	• Halides
3/14	• Complexes with ammonia	25/06	• Sulfates
5/00	Compounds of silver		
5/02	• Halides [3]	27/00	Compounds of hafnium
		27/02	• Oxides
7/00	Compounds of gold	27/04	• Halides
		27/06	• Sulfates
9/00	Compounds of zinc		
9/02	• Oxides; Hydroxides [3]	28/00	Compounds of arsenic [3]
9/03	• • Processes of production using dry methods, e.g. vapour phase processes [3]	28/02	• Arsenates; Arsenites [3]
9/04	• Halides		
9/06	• Sulfates	29/00	Compounds of bismuth
9/08	• Sulfides		
11/00	Compounds of cadmium	30/00	Compounds of antimony [3]
11/02	• Sulfides [3]	30/02	• Antimonates; Antimonites [3]
13/00	Compounds of mercury		
13/02	• Oxides	31/00	Compounds of vanadium
13/04	• Halides	31/02	• Oxides [3]
		31/04	• Halides [3]
15/00	Compounds of gallium, indium, or thallium		
		33/00	Compounds of niobium
17/00	Compounds of germanium		
17/02	• Germanium dioxide	35/00	Compounds of tantalum
17/04	• Halides of germanium	35/02	• Halides [3]
19/00	Compounds of tin		
19/02	• Oxides	37/00	Compounds of chromium
19/04	• Halides	37/02	• Oxides or hydrates thereof
19/06	• • Stannous chloride	37/027	• • Chromium dioxide [3]
19/08	• • Stannic chloride	37/033	• • Chromium trioxide; Chromic acid [3]
		37/04	• Chromium halides
21/00	Compounds of lead	37/06	• • Chromylhalides
21/02	• Oxides	37/08	• Chromium sulfates
21/04	• • Lead suboxide (Pb ₂ O)	37/10	• • Chrome alum
21/06	• • Lead monoxide (PbO)	37/14	• Chromates; Bichromates
21/08	• • Lead dioxide (PbO ₂)		
21/10	• • Red lead (Pb ₃ O ₄)	39/00	Compounds of molybdenum
21/12	• Hydroxides	39/02	• Oxides; Hydroxides [3]
21/14	• Carbonates	39/04	• Halides [3]
		39/06	• Sulfides [3]
		41/00	Compounds of tungsten
		41/02	• Oxides; Hydroxides [3]
		41/04	• Halides [3]
		43/00	Compounds of uranium

- 43/01 • Oxides; Hydroxides [3]
- 43/025 • • Uranium dioxide [3]
- 43/04 • Halides of uranium
- 43/06 • • Fluorides
- 43/08 • • Chlorides
- 43/10 • • Bromides
- 43/12 • • Iodides

45/00 Compounds of manganese

- 45/02 • Oxides; Hydroxides
- 45/04 • Carbonyls
- 45/06 • Halides
- 45/08 • Nitrates
- 45/10 • Sulfates
- 45/12 • Manganates; Permanganates

47/00 Compounds of rhenium

49/00 Compounds of iron

- 49/02 • Oxides; Hydroxides
- 49/04 • • Ferrous oxide (FeO)
- 49/06 • • Ferric oxide (Fe₂O₃)
- 49/08 • • Ferroso-ferric oxide (Fe₃O₄)
- 49/10 • Halides
- 49/12 • Sulfides
- 49/14 • Sulfates

- 49/16 • Carbonyls

51/00 Compounds of cobalt

- 51/02 • Carbonyls
- 51/04 • Oxides; Hydroxides
- 51/06 • Carbonates
- 51/08 • Halides
- 51/10 • Sulfates
- 51/12 • Complexes with ammonia

53/00 Compounds of nickel

- 53/02 • Carbonyls
- 53/04 • Oxides; Hydroxides
- 53/06 • Carbonates
- 53/08 • Halides
- 53/09 • • Chlorides [3]
- 53/10 • Sulfates
- 53/11 • Sulfides [3]
- 53/12 • Complexes with ammonia

55/00 Compounds of ruthenium, rhodium, palladium, osmium, iridium, or platinum

56/00 Compounds of transuranic elements

99/00 Subject matter not provided for in other groups of this subclass [2010.01]