

Section XV

BASE METALS AND ARTICLES OF BASE METAL

Notes.

1. This Section does not cover:
 - (a) Prepared paints, inks or other products with a basis of metallic flakes or powder (headings 32.07 to 32.10, 32.12, 32.13 or 32.15);
 - (b) Ferro-cerium or other pyrophoric alloys (heading 36.06);
 - (c) Headgear or parts thereof of heading 65.06 or 65.07;
 - (d) Umbrella frames or other articles of heading 66.03;
 - (e) Goods of Chapter 71 (for example, precious metal alloys, base metal clad with precious metal, imitation jewellery);
 - (f) Articles of Section XVI (machinery, mechanical appliances and electrical goods);
 - (g) Assembled railway or tramway track (heading 86.08) or other articles of Section XVII (vehicles, ships and boats, aircraft);
 - (h) Instruments or apparatus of Section XVIII, including clock or watch springs;
 - (ij) Lead shot prepared for ammunition (heading 93.06) or other articles of Section XIX (arms and ammunition);
 - (k) Articles of Chapter 94 (for example, furniture, mattress supports, lamps and lighting fittings, illuminated signs, prefabricated buildings);
 - (l) Articles of Chapter 95 (for example, toys, games, sports requisites);
 - (m) Hand sieves, buttons, pens, pencil-holders, pen nibs or other articles of Chapter 96 (miscellaneous manufactured articles); or
 - (n) Articles of Chapter 97 (for example, works of art).
2. Throughout the Nomenclature, the expression "parts of general use" means:
 - (a) Articles of heading 73.07, 73.12, 73.15, 73.17 or 73.18 and similar articles of other base metal;
 - (b) Springs and leaves for springs, of base metal, other than clock or watch springs (heading 91.14); and
 - (c) Articles of headings 83.01, 83.02, 83.08, 83.10 and frames and mirrors, of base metal, of heading 83.06.

In Chapters 73 to 76 and 78 to 82 (but not in heading 73.15) references to parts of goods do not include references to parts of general use as defined above.

Subject to the preceding paragraph and to Note 1 to Chapter 83, the articles of Chapter 82 or 83 are excluded from Chapters 72 to 76 and 78 to 81.
3. Throughout the Nomenclature, the expression "base metals" means: iron and steel, copper, nickel, aluminum, lead, zinc, tin, tungsten (wolfram), molybdenum, tantalum, magnesium, cobalt, bismuth, cadmium, titanium, zirconium, antimony, manganese, beryllium, chromium, germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium and thallium.
4. Throughout the Nomenclature, the term "cermets" means products containing a microscopic heterogeneous combination of a metallic component and a ceramic component. The term "cermets" includes sintered metal carbides (metal carbides sintered with a metal).

5. Classification of alloys (other than ferro-alloys and master alloys as defined in Chapters 72 and 74):

- (a) An alloy of base metals is to be classified as an alloy of the metal which predominates by weight over each of the other metals;
- (b) An alloy composed of base metals of this Section and of elements not falling within this Section is to be treated as an alloy of base metals of this Section if the total weight of such metals equals or exceeds the total weight of the other elements present;
- (c) In this Section the term "alloys" includes sintered mixtures of metal powders, heterogeneous intimate mixtures obtained by melting (other than cermets) and intermetallic compounds.

6. Unless the context otherwise requires, any reference in the Nomenclature to a base metal includes a reference to alloys which, by virtue of Note 5 above, are to be classified as alloys of that metal.

7. Classification of composite articles:

Except where the headings otherwise require, articles of base metal (including articles of mixed materials treated as articles of base metal under the Interpretative Rules) containing two or more base metals are to be treated as articles of the base metal predominating by weight over each of the other metals. For this purpose:

- (a) Iron and steel, or different kinds of iron or steel, are regarded as one and the same metal;
- (b) An alloy is regarded as being entirely composed of that metal as an alloy of which, by virtue of Note 5, it is classified; and
- (c) A cermet of heading 81.13 is regarded as a single base metal.

8. In this Section, the following expressions have the meanings hereby assigned to them:

(a) **Waste and scrap**

Metal waste and scrap from the manufacture or mechanical working of metals, and metal goods definitely not usable as such because of breakage, cutting-up, wear or other reasons.

(b) **Powders**

Products of which 90% or more by weight passes through a sieve having a mesh aperture of 1 mm.

Supplementary Note.

- 1. Unless the context otherwise requires, the expression "diameter", when applied to tubes and pipes, refers to the actual internal diameter.

Chapter 81

OTHER BASE METALS; CERMETS; ARTICLES THEREOF

Subheading Note.

1. Note 1 to Chapter 74, defining "bars and rods", "profiles", "wire" and "plates, sheets, strip and foil" applies, *mutatis mutandis*, to this Chapter.

Supplementary Note.

1. In this Chapter the following expressions have the meanings hereby assigned to them:

(a) Not alloyed

Metallic substances containing by weight at least 99% of the respective base metal.

(b) Alloyed

Metallic substances in which the respective base metal predominates by weight over each of the other elements provided that the total content by weight of such other elements exceeds 1%.

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
81.01		Tungsten (wolfram) and articles thereof, including waste and scrap.			
8101.10.00		-Powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Not alloyed</i>	KGM		
	20	---- <i>-Alloyed</i>	KGM		
		-Other:			
8101.94.00		--Unwrought tungsten, including bars and rods obtained simply by sintering		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Sintered bars and rods, not alloyed</i>	KGM		
		---- <i>-Other:</i>			
	91	---- <i>-Unwrought tungsten, not alloyed</i>	KGM		
	92	---- <i>-Unwrought tungsten, alloyed</i>	KGM		
8101.95.00		--Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Bars and rods, not alloyed</i>	KGM		
		---- <i>-Bars and rods, alloyed; profiles, plates, sheets, strip and foil:</i>			
	21	---- <i>-Not alloyed</i>	KGM		
	22	---- <i>-Alloyed</i>	KGM		
8101.96.00		--Wire		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Not alloyed</i>	KGM		
		---- <i>-Alloyed:</i>			
	21	---- <i>-Not coated or covered</i>	KGM		
	22	---- <i>-Coated or covered</i>	KGM		
8101.97.00	00	--Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8101.99		--Other			
8101.99.10	00	--- <i>-For use in Canadian manufactures</i>	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8101.99.90	00	--- <i>-Other</i>	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
81.02		Molybdenum and articles thereof, including waste and scrap.			
8102.10.00		-Powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
	10	---- <i>-Not alloyed</i>	KGM		
	20	---- <i>-Alloyed</i>	KGM		
		-Other:			
8102.94.00		-Unwrought molybdenum, including bars and rods obtained simply by sintering		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Unwrought molybdenum, not alloyed</i>	KGM		
	20	---- <i>-Unwrought molybdenum, alloyed</i>	KGM		
8102.95		-Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil			
8102.95.10 00	--	-Bars and rods	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8102.95.20 00	--	-Profiles, plates, sheets, strip and foil	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8102.96.00		-Wire		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Not coated or covered</i>	KGM		
	20	---- <i>-Coated or covered</i>	KGM		
8102.97.00 00		-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8102.99.00 00		-Other	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
81.03		Tantalum and articles thereof, including waste and scrap.			
8103.20.00		-Unwrought tantalum, including bars and rods obtained simply by sintering; powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- <i>-Not alloyed</i>	KGM		
	20	---- <i>-Alloyed</i>	KGM		
8103.30.00 00		-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8103.90.00 00		-Other	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
81.04		Magnesium and articles thereof, including waste and scrap.			
		-Unwrought magnesium:			

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8104.11.00	00	-Containing at least 99.8% by weight of magnesium	KGM	2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8104.19		-Other			
8104.19.10	00	--Magnesium-rare earth, magnesium-didymium, magnesium-thorium, magnesium-zirconium and magnesium-thorium-neodymium-rare earth for use in the manufacture of magnesium castings	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8104.19.90	00	--Other	KGM	2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8104.20.00	00	-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8104.30.00		-Raspings, turnings and granules, graded according to size; powders		2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Raspings, turnings and granules; powders, alloyed.....	KGM		
	20	----Powders, not alloyed.....	KGM		
8104.90.00		-Other		2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
		----Bars, rods, plates, sheets, strip, foil, tubes and pipes, alloyed:			
	11	----Bars and rods.....	KGM		
	12	----Plates, sheets, strip, foil, tubes and pipes.....	KGM		
		----Other:			
	91	----Structural shapes.....	KGM		
	99	----Other.....	KGM		
81.05		Cobalt mattes and other intermediate products of cobalt metallurgy; cobalt and articles thereof, including waste and scrap.			
8105.20		-Cobalt mattes and other intermediate products of cobalt metallurgy; unwrought cobalt; powders			
8105.20.10		--Powders; Unwrought cobalt, not alloyed		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Powders.....	KGM		
	20	----Unwrought cobalt, not alloyed.....	KGM		
8105.20.90	00	--Other	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8105.30.00	00	-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8105.90.00		-Other		3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- -Bars and rods, not alloyed.....	KGM		
	90	---- -Other	KGM		
8106.00.00		Bismuth and articles thereof, including waste and scrap.		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- -Unwrought bismuth, not alloyed; powders, not alloyed	KGM		
		---- -Unwrought bismuth, alloyed; waste and scrap; powders, alloyed; articles of bismuth:			
	21	---- -Unwrought bismuth; powders; articles of bismuth.....	KGM		
	22	---- -Waste and scrap	KGM		
81.07		Cadmium and articles thereof, including waste and scrap.			
8107.20.00		-Unwrought cadmium; powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	---- -Not alloyed	KGM		
	20	---- -Alloyed.....	KGM		
8107.30.00	00	-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8107.90.00	00	-Other	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
81.08		Titanium and articles thereof, including waste and scrap.			
8108.20		-Unwrought titanium; powders			
8108.20.10	00	-- -Unwrought titanium, not alloyed, and titanium powders, not alloyed, for use in the manufacture of sintered hard metal compounds of the tungsten carbide type	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8108.20.90	--	-Other		2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
		---- -Not alloyed:			
	11	---- -Powders	KGM		
	12	---- -Sponge.....	KGM		
	13	---- -Ingots.....	KGM		
	14	---- -Billets.....	KGM		
	15	---- -Blooms, sheet bars and slabs.....	KGM		
	19	---- -Other	KGM		
		---- -Alloyed:			
	21	---- -Powders	KGM		
	22	---- -Sponge.....	KGM		
	23	---- -Ingots.....	KGM		
	24	---- -Billets.....	KGM		
	25	---- -Blooms, sheet bars and slabs.....	KGM		
	29	---- -Other	KGM		

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8108.30.00	00	-Waste and scrap	KGM	2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8108.90		-Other			
8108.90.10	--	-Bars, rods, wire, plates, sheets, strip or foil, whether or not coated, and forgings or mesh; Castings in the rough; Coated anodes for the production of chlorine, sodium hydroxide or sodium chlorate; Plates, clad with steel, copper, copper alloys, aluminum or aluminum alloys, 0.4 m ² or larger in area, for use in the manufacture of carrier plates for electrolytic cells for the production of chlorine, sodium hydroxide or sodium chlorate; Sheets or strip, cold-rolled, of a thickness not exceeding 4.75 mm, for use in the manufacture of tubes or pipes; Tubes or pipes, welded, for use in Canadian manufactures excluding the manufacture of equipment for thermal nuclear, oil, natural gas or coal power utility stations; Tubes or pipes, of an external diameter of less than 12.7 mm or of more than 63.5 mm and having a wall thickness of less than 0.457 mm or of more than 1.166 mm		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Coated anodes for the production of chlorine, sodium hydroxide or sodium chlorate.....	KGM		
	90	----Other.....	KGM		
8108.90.90	--	-Other		3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Bars and rods, not alloyed.....	KGM		
	20	----Bars and rods, alloyed.....	KGM		
	30	----Plates, sheets, strip and foil, not alloyed.....	KGM		
	40	----Tubes and pipes, not alloyed.....	KGM		
	50	----Anodes, not coated.....	KGM		
	60	----Castings.....	KGM		
	70	----Profiles and wire.....	KGM		
	90	----Other.....	KGM		
81.09		Zirconium and articles thereof, including waste and scrap.			
8109.20		-Unwrought zirconium; powders			
8109.20.10	00	--Unwrought zirconium, alloyed, for use in Canadian manufactures	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8109.20.90	--	-Other		2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Not alloyed.....	KGM		
		----Alloyed:			
	21	----Unwrought zirconium.....	KGM		
	22	----Powders.....	KGM		

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8109.30.00	00	-Waste and scrap	KGM	2.5%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8109.90		-Other			
8109.90.10	00	--Bars, rods, wire, plates, sheets, strip, foil, forgings, castings and welded or seamless tubes or pipes of an external diameter of 5 cm or more, for use in the manufacture of nuclear reactors or their fuel elements	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8109.90.90	--	-Other		3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Bars and rods, alloyed.....	KGM		
	20	----Plates, sheets, strip and foil, alloyed.....	KGM		
	30	----Tubes and pipes, alloyed.....	KGM		
	90	----Other.....	KGM		
81.10		Antimony and articles thereof, including waste and scrap.			
8110.10.00		-Unwrought antimony; powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Not alloyed.....	KGM		
	20	----Alloyed.....	KGM		
8110.20.00	00	-Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8110.90.00	00	-Other	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8111.00		Manganese and articles thereof, including waste and scrap.			
	--	-Unwrought manganese; waste and scrap:			
8111.00.11	00	---Unwrought manganese, not alloyed	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8111.00.12	---	-Unwrought manganese, alloyed; Waste and scrap		3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Unwrought manganese, alloyed.....	KGM		
	20	----Waste and scrap.....	KGM		
	--	-Powders:			
8111.00.21	00	---Not alloyed	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8111.00.22	00	---Alloyed	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8111.00.40	00	---Articles of manganese	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
81.12		Beryllium, chromium, germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium and thallium, and articles of these metals, including waste and scrap.			
		-Beryllium:			
8112.12.00	00	--Unwrought; powders	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.13.00	00	--Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.19.00	00	--Other	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
		-Chromium:			
8112.21.00		--Unwrought; powders		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Not alloyed	KGM		
	20	----Alloyed	KGM		
8112.22.00	00	--Waste and scrap	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.29.00	00	--Other	KGM	Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.30.00		-Germanium		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Unwrought germanium, not alloyed; powders, not alloyed	KGM		
		----Unwrought germanium, alloyed; waste and scrap; powders, alloyed; articles of germanium:			
	21	----Unwrought germanium; powders; articles of germanium.....	KGM		
	22	----Waste and scrap	KGM		
8112.40.00		-Vanadium		2%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	----Unwrought vanadium, not alloyed; powders, not alloyed.....	KGM		
	20	----Unwrought vanadium, alloyed; powders, alloyed; articles of vanadium.	KGM		

CUSTOMS TARIFF - SCHEDULE

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
	30	-----Waste and scrap.....	KGM		
		-Thallium:			
8112.51.00	00	-Unwrought; powders	KGM	2%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.52.00	00	-Waste and scrap	KGM	2%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
8112.59.00	00	-Other	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
		-Other:			
8112.92		-Unwrought; waste and scrap; powders			
8112.92.10	--	-Of niobium (columbium)		Free	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	-----Not alloyed	KGM		
	20	-----Alloyed.....	KGM		
8112.92.90	--	-Other		2%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
		-----Unwrought metal, not alloyed; powders, not alloyed:			
	11	-----Gallium	KGM		
	12	-----Hafnium.....	KGM		
	13	-----Indium	KGM		
	14	-----Rhenium.....	KGM		
		-----Unwrought metal, alloyed; powders, alloyed:			
	21	-----Gallium	KGM		
	22	-----Hafnium.....	KGM		
	23	-----Indium	KGM		
	24	-----Rhenium.....	KGM		
	30	-----Waste and scrap.....	KGM		
8112.99.00	--	-Other		3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free
	10	-----Wire, not coated or covered	KGM		
		-----Other:			
	91	-----Gallium	KGM		
	92	-----Hafnium.....	KGM		
	93	-----Indium	KGM		
	94	-----Niobium (columbium)	KGM		
	95	-----Rhenium.....	KGM		
8113.00.00	00	Cermets and articles thereof, including waste and scrap.	KGM	3%	UST, CCCT, LDCT, GPT, MT, MUST, CIAT, CT, CRT: Free