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);
 - (I) 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

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	CCCT, LDCT, GPT, US MT, MUST, CIAT, CT, CRT: Free
		Not alloyed			G. C
		-Other:			
8101.94.00)	Unwrought tungsten, including bars and rods obtained simply by sintering		Free	CCCT, LDCT, GPT, U MT, MUST, CIAT, CT, CRT: Free
	10	Sintered bars and rods, not alloyed	KGM		G
		Unwrought tungsten, not alloyed			
8101.96.00)	Wire		Free	CCCT, LDCT, GPT, U MT, MUST, CIAT, CT, CRT: Free
		Not alloyed	KGM		
	21	Not coated or covered			
8101.97.00	00	Waste and scrap	KGM	Free	CCCT, LDCT, GPT, U MT, MUST, CIAT, CT, CRT: Free
8101.99		Other			
8101.99 8101.99.10)	 -Other Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil; Other, for use in Canadian manufactures 		Free	
	10	Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil; Other, for use in Canadian manufacturesBars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil		Free	MT, MUST, CIAT, CT,
	10 20	Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil; Other, for use in Canadian manufacturesBars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil		Free	CCCT, LDCT, GPT, U MT, MUST, CIAT, CT, CRT: Free CCCT, LDCT, GPT, U MT, MUST, CIAT, CT, CRT: Free

Tariff Item	ss	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8102.10.00		-Powders		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Not alloyed Alloyed			
		-Other:			
8102.94.00		Unwrought molybdenum, including bars and rods obtained simply by sintering		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Unwrought molybdenum, not alloyed			
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%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8102.95.20	00 -	Profiles, plates, sheets, strip and foil	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8102.96.00		Wire		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Not coated or covered	KGM KGM		
8102.97.00	00 -	Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8102.99.00	00 -	Other	KGM	3%	CCCT, LDCT, GPT, UST, 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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Not alloyed	KGM KGM		
		·		_	
8103.30.00	00 -	-Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8103.90.00	00 -	-Other	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
81.04		Magnesium and articles thereof, including waste and scrap.			
		-Unwrought magnesium:			
8104.11.00	00	Containing at least 99.8% by weight of magnesium	KGM	2.5%	CCCT, LDCT, GPT, UST, 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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8104.19.90	00	Other	KGM	2.5%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8104.20.00	00	-Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8104.30.00		-Raspings, turnings and granules, graded according to size; powders		2.5%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Raspings, turnings and granules; powders, alloyed	KGM KGM		
8104.90.00		-Other		2.5%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	44	Bars, rods, plates, sheets, strip, foil, tubes and pipes, alloyed:	KOM		
		Bars and rods	KGM KGM		
	91	Other: Structural shapes	KGM		
		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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
		Powders Unwrought cobalt, not alloyed	KGM KGM		
8105.20.90	00	Other	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free

Tariff Item	SS Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8105.30.00	00 -Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8105.90.00	-Other		3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10Bars and rods, not alloyed			
8106.00.00	Bismuth and articles thereof, including waste and scrap.		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10 Unwrought bismuth, not alloyed; powders, not alloyed	KGM		
	21Unwrought bismuth; powders; articles of bismuth 22Waste and scrap			
81.07	Cadmium and articles thereof, including waste and scrap.			
8107.20.00	-Unwrought cadmium; powders		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10Not alloyed			
8107.30.00	00 -Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8107.90.00	00 -Other	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
81.08	Titanium and articles thereof, including waste and scrap.			
8108.20	-Unwrought titanium; powders			
8108.20.10	00Unwrought titanium, not alloyed, and titanium powders, not alloyed, for use in the manufacture of sintered hard metal compounds of the tungste carbide type	KGM en	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8108.20.90	Other		2.5%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	Not alloyed:	KGM		
	11 Powders			
	13Ingots	KGM		
	14 Billets			
	19Other			
	21 Powders	KGM		
	22Sponge	KGM		

Tariff Item	ss	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
	24 25	Ingots Billets Blooms, sheet bars and slabs Other	KGM KGM KGM KGM		
8108.30.00	8108.30.00 00 -Waste and scrap				CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8108.90		-Other			
8108.90.10	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 m² 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 mmCoated anodes for the production of chlorine, sodium hydroxide or sodium chlorate	KGM KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8108.90.90		Other		3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	20 30 40 50 60 70	Bars and rods, not alloyed	KGM 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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8109.20.90		Other		2.5%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10	Not alloyed	KGM		

Tariff Item	SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
		Alloyed:	L		,
		Unwrought zirconium	KGM		
	22	Powders	KGM		
8109.30.00	00	-Waste and scrap	KGM	2.5%	CCCT, LDCT, GPT, UST 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	CCCT, LDCT, GPT, UST MT, MUST, CIAT, CT, CRT: Free
8109.90.90		Other		3%	CCCT, LDCT, GPT, UST MT, MUST, CIAT, CT, CRT: Free
		Bars and rods, alloyed	KGM		
		Plates, sheets, strip and foil, alloyed	KGM		
		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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10	Not alloyed	KGM		OICI. I IOC
		Alloyed	KGM		
8110.20.00	00	-Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8110.90.00	00	-Other	KGM	Free	CCCT, LDCT, GPT, UST, 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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8111.00.12		Unwrought manganese, alloyed; Waste and scrap		3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	10	Unwrought manganese, alloyed	KGM		5111.1100
		Waste and scrap	_		
		Powders:			

CUSTOMS TARIFF - SCHEDULE

Tariff Item	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
8111.00.21 00)Not alloyed	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8111.00.22 00)Alloyed	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8111.00.40 00)Articles of manganese	KGM	3%	CCCT, LDCT, GPT, UST, 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	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8112.13.00 00)Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8112.19.00 00)Other	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
	-Chromium:			
8112.21.00	Unwrought; powders		Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
)Not alloyed)Alloyed			
8112.22.00 00)Waste and scrap	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
8112.29.00 00)Other	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free

Revised January 1, 2007 Issued January 1, 2007

Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tari
um:			
rought; powders	KGM	2%	CCCT, LDCT, GPT, MT, MUST, CIAT, C CRT: Free
te and scrap	KGM	2%	CCCT, LDCT, GPT, MT, MUST, CIAT, C CRT: Free
er	KGM	3%	CCCT, LDCT, GPT, MT, MUST, CIAT, C CRT: Free
:			
rought; waste and scrap; powders			
rmanium; niobium (columbium)		Free	CCCT, LDCT, GPT, MT, MUST, CIAT, C CRT: Free
Germanium:			
-Unwrought, not alloyed; powders, not alloyed	KGM		
-Unwrought, alloyed; powders, alloyed	KGM		
-Waste and scrap	KGM		
Of niobium (columbium):			
-Not alloyed	KGM		
-Alloyed	KGM		
er		2%	CCCT, LDCT, GPT, MT, MUST, CIAT, C CRT: Free
Unwrought metal, not alloyed; powders, not alloyed:	KCM		
-Gallium	KGM KGM		
-Indium	KGM		
-Rhenium	KGM		
-Vanadium	KGM		
Unwrought metal, alloyed; powders, alloyed:			
-Gallium	KGM		
-Hafnium	KGM		
-Indium	KGM		
-Rhenium	KGM		
-Vanadium	KGM		
Waste and scrap	KGM		
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CUSTOMS TARIFF - SCHEDULE

	Tariff Item SS	Description of Goods	Unit of Meas.	MFN Tariff	Applicable Preferential Tariffs
!					
I	8112.99.10 00	Germanium	KGM	Free	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
I	8112.99.20 00	Vanadium	KGM	2%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
ı	8112.99.90	Other		3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free
I		Wire, not coated or covered	KGM		
Ī	91	Gallium	KGM		
ı	92	Hafnium	KGM		
I		Indium	KGM		
I		Niobium (columbium)	KGM		
I	95	Rhenium	KGM		
	8113.00.00 00	Cermets and articles thereof, including waste and scrap.	KGM	3%	CCCT, LDCT, GPT, UST, MT, MUST, CIAT, CT, CRT: Free