

CHAPTER 74

COPPER AND ARTICLES THEREOF

XV
74-1

Note

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

(a) Refined copper

Metal containing at least 99.85 percent by weight of copper; or

Metal containing at least 97.5 percent by weight of copper, provided that the content by weight of any other element does not exceed the limit specified in the following table:

TABLE - Other elements

Element		Limiting content percent by weight
Ag	Silver	0.25
As	Arsenic	0.5
Cd	Cadmium	1.3
Cr	Chromium	1.4
Mg	Magnesium	0.8
Pb	Lead	1.5
S	Sulfur	0.7
Sn	Tin	0.8
Te	Tellurium	0.8
Zn	Zinc	1
Zr	Zirconium	0.3
Other elements*, each		0.3

* Other elements are, for example, Al, Be, Co, Fe, Mn, Ni, Si.

(b) Copper alloys

Metallic substances other than unrefined copper in which copper predominates by weight over each of the other elements, provided that:

- (i) The content by weight of at least one of the other elements is greater than the limit specified in the foregoing table; or
- (ii) The total content by weight of such other elements exceeds 2.5 percent.

(c) Master alloys

Alloys containing with other elements more than 10 percent by weight of copper, not usefully malleable and commonly used as an additive in the manufacture of other alloys or as deoxidants, desulfurizing agents or for similar uses in the metallurgy of nonferrous metals. However, copper phosphide (phosphor copper) containing more than 15 percent by weight of phosphorus falls in heading 2848.

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XV
74-2

(d) Bars and rods

Rolled, extruded, drawn or forged products, not in coils, which have a uniform solid cross section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including "flattened circles" and "modified rectangles", of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including "modified rectangular") cross section exceeds one-tenth of the width. The expression also covers cast or sintered products, of the same forms and dimensions, which have been subsequently worked after production (otherwise than by simple trimming or descaling), provided that they have not thereby assumed the character of articles or products of other headings. Wire bars and billets with their ends tapered or otherwise worked simply to facilitate their entry into machines for converting them into, for example, drawing stock (wire rod) or tubes, are, however, to be taken to be unwrought copper of heading 7403.

(e) Profiles

Rolled, extruded, drawn, forged or formed products, coiled or not, of a uniform cross section along their whole length, which do not conform to any of the definitions of bars, rods, wire, plates, sheets, strip, foil, tubes or pipes. The expression also covers cast or sintered products, of the same forms, which have been subsequently worked after production (otherwise than by simple trimming or descaling), provided that they have not thereby assumed the character of articles or products of other headings.

(f) Wire

Rolled, extruded or drawn products, in coils, which have a uniform solid cross section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including "flattened circles" and "modified rectangles", of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including "modified rectangular") cross section exceeds one-tenth of the width.

In the case of heading 7414, however, the term "wire" applies only to products, whether or not in coils, of any cross-sectional shape, of which no cross-sectional dimension exceeds 6 mm.

(g) Plates, sheets, strip and foil

Flat-surfaced products (other than the unwrought products of heading 7403), coiled or not, of solid rectangular (other than square) cross section with or without rounded corners (including "modified rectangles" of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel) of a uniform thickness, which are:

- of rectangular (including square) shape with a thickness not exceeding one-tenth of the width,
- of a shape other than rectangular or square, of any size, provided that they do not assume the character of articles or products of other headings.

Headings 7409 and 7410 apply, inter alia, to plates, sheets, strip and foil with patterns (for example, grooves, ribs, checkers, tears, buttons, lozenges) and to such products which have been perforated, corrugated, polished or coated, provided that they do not thereby assume the character of articles or products of other headings.

(h) Tubes and pipes

Hollow products, coiled or not, which have a uniform cross section with only one enclosed void along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons, and which have a uniform wall thickness. Products with a rectangular (including square), equilateral triangular or regular convex polygonal cross section, which may have corners rounded along their whole length, are also to be taken to be tubes and pipes provided the inner and outer cross sections are concentric and have the same form and orientation. Tubes and pipes of the foregoing cross sections may be polished, coated, bent, threaded, drilled, waisted, expanded, cone-shaped or fitted with flanges, collars or rings.

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XV
74-3

Subheading Note

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

(a) Copper-zinc base alloys (brasses)

Alloys of copper and zinc, with or without other elements. When other elements are present:

- zinc predominates by weight over each of such other elements;
- any nickel content by weight is less than 5 percent (see copper-nickel-zinc alloys (nickel silvers)); and
- any tin content by weight is less than 3 percent (see copper-tin alloys (bronzes)).

(b) Copper-tin base alloys (bronzes)

Alloys of copper and tin, with or without other elements. When other elements are present, tin predominates by weight over each of such other elements, except that when the tin content is 3 percent or more the zinc content by weight may exceed that of tin but must be less than 10 percent. (c) Copper-nickel-zinc base alloys (nickel silvers)

Alloys of copper, nickel and zinc, with or without other elements. The nickel content is 5 percent or more by weight (see copper-zinc alloys (brasses)).

(d) Copper-nickel base alloys

Alloys of copper and nickel, with or without other elements but in any case containing by weight not more than 1 percent of zinc. When other elements are present, nickel predominates by weight over each of such other elements.

Additional U.S. Note

1. The deduction provided for in additional U.S. note 1 to chapter 26 shall apply to cement copper and copper precipitates of subheading 7401.20.

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
74-4

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
7401	Copper mattes; cement copper (precipitated copper):			
7401.10.00	Copper mattes	Free		8.8¢/kg on copper content + 3.3¢/kg on lead content + 4.7¢/kg on zinc content
7401.20.00	Cement copper (precipitated copper)	Free		6%
7402.00.00	Unrefined copper; copper anodes for electrolytic refining	Free		6%
7403	Refined copper and copper alloys, unwrought (other than master alloys of heading 7405):			
	Refined copper:			
7403.11.00	Cathodes and sections of cathodes	1%	Free (CA,E,IL,J,MX)	6%
7403.12.00	Wire bars	1%	Free (CA,E,IL,J,MX)	6%
7403.13.00	Billets	1%	Free (CA,E,IL,J,MX)	6%
7403.19.00	Other	1%	Free (CA,E,IL,J,MX)	6%
	Copper alloys:			
7403.21.00	Copper-zinc base alloys (brass)	1%	Free (CA,E,IL,J,MX)	6%
7403.22.00	Copper-tin base alloys (bronze)	1%	Free (CA,E,IL,J,MX)	6%
7403.23.00	Copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver)	1%	Free (CA,E,IL,J,MX)	6%
7403.29.00	Other copper alloys	1%	Free (CA,E,IL,J,MX)	6%
7404.00.00	Copper waste and scrap	Free		6%
7405.00.00	Master alloys of copper	Free		28%
7406	Copper powders and flakes:			
7406.10.00	Powders of non-lamellar structure	Free		49%
7406.20.00	Powders of lamellar structure; flakes	Free		12%
7407	Copper bars, rods and profiles:			
	Of refined copper:			
7407.10	Profiles (including hollow profiles)	3%	Free (CA,E,IL,J,MX)	48%
7407.10.50	Bars and rods	1%	Free (CA,E,IL,J,MX)	7%
	Of copper alloys:			
7407.21.00	Of copper-zinc base alloys (brass)	2.2%	Free (CA,E,IL,J,MX)	17%
7407.22.00	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver)	3%	Free (CA,E,IL,J,MX)	48%
7407.29.00	Other	1.6%	Free (CA,E,IL,J,MX)	9%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
74-5

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
7408	Copper wire:			
	Of refined copper:			
7408.11.00	Of which the maximum cross-sectional dimension exceeds 6 mm	3%	Free (CA,E,IL,J, MX)	28%
7408.19.00	Other	3%	Free (CA,E,IL,J, MX)	28%
	Of copper alloys:			
7408.21.00	Of copper-zinc base alloys (brass)	3%	Free (CA,E,IL,J, MX)	28%
7408.22.00	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver)	3%	Free (CA,E,IL,J, MX)	28%
7408.29.00	Other	3%	Free (CA,E,IL,J, MX)	28%
7409	Copper plates, sheets and strip, of a thickness exceeding 0.15 mm:			
	Of refined copper:			
7409.11.00	In coils	1%	Free (CA,E,IL, J,MX)	7.5%
7409.19.00	Other	1%	Free (CA,E,IL,J, MX)	7.5%
	Of copper-zinc base alloys (brass):			
7409.21.00	In coils	1.9%	Free (CA,E,IL, J,MX)	9%
7409.29.00	Other	1.9%	Free (CA,E,IL,J, MX)	9%
	Of copper-tin base alloys (bronze):			
	In coils:			
7409.31	Of a width of 500 mm or more	1.7%	Free (CA,E,IL,J, MX)	9%
7409.31.30	Of a width of less than 500 mm	3%	Free (CA,E,IL,J, MX)	49%
7409.39.00	Other	1.7%	Free (CA,E,IL, J,MX)	9%
7409.40.00	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver)	3%	Free (CA,E,IL,J, MX)	48%
	Of other copper alloys:			
7409.90	Of a width of 500 mm or more	1.7%	Free (CA,E,IL,J, MX)	9%
7409.90.30	Of a width of less than 500 mm	3%	Free (CA,E,IL,J, MX)	49%
7410	Copper foil (whether or not printed or backed with paper, paperboard, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.15 mm:			
	Not backed:			
7410.11.00	Of refined copper	1%	Free (CA,E,IL,J, MX)	6.5%
7410.12.00	Of copper alloys	1%	Free (CA,E,IL,J, MX)	6.5%
	Backed:			
7410.21.00	Of refined copper	3%	Free (CA,E,IL,J, MX)	80%
7410.22.00	Of copper alloys	1.5%	Free (CA,E,IL,J, MX)	6%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
74-6

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
7411	Copper tubes and pipes:			
7411.10.00	Of refined copper	1.5%	Free (CA,E,IL,J, MX)	13%
	Of copper alloys:			
7411.21	Of copper-zinc base alloys (brass):			
7411.21.10	Seamless	1.4%	Free (CA,E,IL,J, MX)	10%
7411.21.50	Other	3%	Free (CA,E,IL, J,MX)	49%
7411.22.00	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel-silver)	3%	Free (CA,E,IL,J, MX)	47%
7411.29.00	Other	1.4%	Free (CA,E,IL,J, MX)	10%
7412	Copper tube or pipe fittings (for example couplings, elbows, sleeves):			
7412.10.00	Of refined copper	3%	Free (B,CA,E,IL, J,MX)	46%
7412.20.00	Of copper alloys	3%	Free (B,CA,E,IL, J,MX)	49%
7413.00.00	Stranded wire, cables, plaited bands and the like, including slings and similar articles, of copper, not electrically insulated	3%	Free (CA,E,IL,J, MX)	35%
7414	Cloth (including endless bands), grill and netting, of copper wire; expanded metal of copper:			
7414.20.00	Cloth	3%	Free (CA,E,IL,J, MX)	43%
7414.90.00	Other	3%	Free (B,CA,E,IL, J,MX)	43%
7415	Nails, tacks, drawing pins, staples (other than those of heading 8305) and similar articles, of copper or of iron or steel with heads of copper; screws, bolts, nuts, screw hooks, rivets, cotters, cotter pins, washers (including spring washers) and similar articles, of copper:			
7415.10.00	Nails and tacks, drawing pins, staples and similar articles	2.5%	Free (CA,E,IL,J, MX)	45%
	Other articles, not threaded:			
7415.21.00	Washers (including spring washers)	3%	Free (B,CA,E,IL, J,MX)	45%
7415.29.00	Other	3%	Free (B,CA,E,IL, J,MX)	45%
	Other threaded articles:			
7415.31.00	Screws for wood	3%	Free (B,CA,E,IL, J,MX)	45%
7415.32.00	Other screws; bolts and nuts	3%	Free (B,CA,E,IL, J,MX)	45%
7415.39.00	Other	3%	Free (B,CA,E,IL, J,MX)	45%
7416.00.00	Copper springs	3%	Free (B,CA,E,IL, J,MX)	45%
7417.00.00	Cooking or heating apparatus of a kind used for domestic purposes, non-electric and parts thereof, of copper	3%	Free (CA,E,IL,J, MX)	45%

USITC Investigation 332-388 - 2nd DRAFT Harmonized Tariff Schedule of the United States (2004)

XVI
74-7

Heading/ Subheading	Article Description	Rates of Duty		
		1		2
		General	Special	
7418	Table, kitchen or other household articles and parts thereof, of copper; pot scourers and scouring or polishing pads, gloves and the like, of copper; sanitary ware and parts thereof, of copper:			
	Table, kitchen or other household articles and parts thereof; pot scourers and scouring or polishing pads, gloves and the like:			
7418.11.00	Pot scourers and scouring or polishing pads, gloves and the like	3%	Free (CA,E,IL,J, MX)	40%
7418.19.00	Other	3%	Free (CA,E,IL,J, MX)	50%
7418.20.00	Sanitary ware and parts thereof	3%	Free (CA,E,IL,J, MX)	40%
7419	Other articles of copper:			
7419.10.00	Chain and parts thereof	3%	Free (B,CA,E,IL, J,MX)	45%
	Other:			
7419.91.00	Cast, molded, stamped or forged, but not further worked	Free		46%
	Other:			
7419.99 7419.99.15	Containers of a kind normally carried on the person, in the pocket or in the handbag	3%	Free (CA,E,IL,J, MX)	110%
	Other:			
7419.99.30	Coated or plated with precious metal	3%	Free (CA,E,IL,J, MX)	65%
7419.99.50	Other	Free		46%

Tariff Simplification (Inv. 332-388)

Concordance and Change Record

(Changes Indicated with Bold Type)

Chapter 74

Chapter Note Changes:

Add:

Delete:

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
7401.10.00	7401.10.00	Free	Free
7401.20.00	7401.20.00	Free	Free
7402.00.00	7402.00.00	Free	Free
7403.11.00	7403.11.00	1%	1%
7403.12.00	7403.12.00	1%	1%
7403.13.00	7403.13.00	1%	1%
7403.19.00	7403.19.00	1%	1%
7403.21.00	7403.21.00	1%	1%
7403.22.00	7403.22.00	1%	1%
7403.23.00	7403.23.00	1%	1%
7403.29.00	7403.29.00	1%	1%
7404.00.30	7404.00.00	Free	Free
7404.00.60	7404.00.00	Free	Free
7405.00.10	7405.00.00	Free	Free
7405.00.60	7405.00.00	Free	Free
7406.10.00	7406.10.00	Free	Free
7406.20.00	7406.20.00	Free	Free
7407.10.15	7407.10.20	3%	3%
7407.10.30	7407.10.20	3 %	3%
7407.10.50	7407.10.50	1%	1%
7407.21.15	7407.21.00	2.2%	2.2%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
7407.21.30	7407.21.00	2.2%	2.2%
7407.21.50	7407.21.00	2.2%	2.2%
7407.21.70	7407.21.00	1.9%	2.2%
7407.21.90	7407.21.00	2.2%	2.2%
7407.22.15	7407.22.00	3%	3%
7407.22.30	7407.22.00	3%	3%
7407.22.50	7407.22.00	3%	3%
7407.29.15	7407.29.00	3%	1.6%
7407.29.30	7407.29.00	3%	1.6%
7407.29.50	7407.29.00	1.6%	1.6%
7408.11.30	7408.11.00	1%	3%
7408.11.60	7408.11.00	3%	3%
7408.19.00	7408.19.00	3%	3%
7408.21.00	7408.21.00	3%	3%
7408.22.10	7408.22.00	3%	3%
7408.22.50	7408.22.00	3%	3%
7408.29.10	7408.29.00	3%	3%
7408.29.50	7408.29.00	3%	3%
7409.11.10	7409.11.00	3%	1%
7409.11.50	7409.11.00	1%	1%
7409.19.10	7409.19.00	3%	1%
7409.19.50	7409.19.00	1%	1%
7409.19.90	7409.19.00	3%	1%
7409.21.00	7409.21.00	1.9%	1.9%
7409.29.00	7409.29.00	1.9%	1.9%
7409.31.10	7409.31.30	3%	1.7%
7409.31.10	7409.31.60	3%	3%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
7409.31.50	7409.31.30	1.7%	1.7%
7409.31.90	7409.31.60	3%	3%
7409.39.10	7409.39.00	3%	1.7%
7409.39.50	7409.39.00	1.7%	1.7%
7409.39.90	7409.39.00	3%	1.7%
7409.40.00	7409.40.00	3%	3%
7409.90.10	7409.90.30	3%	1.7%
7409.90.10	7409.90.60	1.7%	1.7%
7409.90.50	7409.90.30	1.7%	1.7%
7409.90.90	7409.90.60	3%	3%
7410.11.00	7410.11.00	1%	1%
7410.12.00	7410.12.00	1%	1%
7410.21.30	7410.21.00	3%	3%
7410.21.60	7410.21.00	1.5%	3%
7410.22.00	7410.22.00	1.5%	1.5%
7411.10.10	7411.10.00	1.5%	1.5%
7411.10.50	7411.10.00	3%	1.5%
7411.21.10	7411.21.10	1.4%	1.4%
7411.21.50	7411.21.50	3%	3%
7411.22.00	7411.22.00	3%	3%
7411.29.10	7411.29.00	1.4%	1.4%
7411.29.50	7411.29.00	3%	1.4%
7412.10.00	7412.10.00	3%	3%
7412.20.00	7412.20.00	3%	3%
7413.00.10	7413.00.00	3%	3%
7413.00.50	7413.00.00	2%	3%
7413.00.90	7413.00.00	3%	3%
7414.20.30	7414.20.00	Free	3%

1999 Tariff Line(s):	Proposed Tariff Line(s):	2004 Col. 1 Duty Rate:	Proposed Duty Rate:
7414.20.60	7414.20.00	3%	3%
7414.20.90	7414.20.00	3%	3%
7414.90.00	7414.90.00	3%	3%
7415.10.00	7415.10.00	2.5%	2.5%
7415.21.00	7415.21.00	3%	3%
7415.29.00	7415.29.00	3%	3%
7415.31.00	7415.31.00	3%	3%
7415.32.10	7415.32.00	1.4%	3%
7415.32.50	7415.32.00	3%	3%
7415.32.90	7415.32.00	3%	3%
7415.39.00	7415.39.00	3%	3%
7416.00.00	7416.00.00	3%	3%
7417.00.00	7417.00.00	3%	3%
7418.11.20	7418.11.00	3%	3%
7418.11.40	7418.11.00	3%	3%
7418.19.10	7418.19.00	3%	3%
7418.19.20	7418.19.00	3%	3%
7418.19.50	7418.19.00	3%	3%
7418.20.10	7418.20.00	3%	3%
7418.20.50	7418.20.00	3%	3%
7419.10.00	7419.10.00	3%	3%
7419.91.00	7419.91.00	Free	Free
7419.99.15	7419.99.15	3%	3%
7419.99.30	7419.99.30	3%	3%
7419.99.50	7419.99.50	Free	Free