

Section XV – Chapter 74  
Copper and Articles Thereof

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	1.0
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.

(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.

## Section XV – Chapter 74

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 (0.234 inch).

(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.

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.

Statistical Note

1. For the purpose of heading 7404, the expression:

(a). Bare bright wire is copper wire uncoated, unalloyed (ISRI code word Barley);

(b). Other No.1 includes, but is not necessarily limited to:

No. 1 heavy copper (ISRI code words Berry, Candy, Clove) and copper nodules (ISRI code word Cocoa);

Section XV – Chapter 74

- (c). No. 2 copper includes, but is not necessarily limited to:  
No. 2 copper wire (ISRI code word Birch), No. 2 copper (ISRI code word Cliff), and No. 2 copper nodules (ISRI code word Cobra);
- (d). Other refined copper includes, but is not necessarily limited to:  
Refinery/smelter grade copper (ISRI code word Drove), light copper (ISRI code word Dream), and insulated copper wire scrap (ISRI code word Druid);
- (e). Red and semi-red brass includes, but is not necessarily limited to:  
Composition or red brass (ISRI code word Ebony), red brass composition (ISRI code word Enerv), and red brass bushings (ISRI code word Elder);
- (f). Yellow brass clippings, turnings and rod ends includes, but is not necessarily limited to:  
New brass clippings (ISRI code word Label), yellow brass rod turnings (ISRI code words Night, Nomad), and new yellow brass rod ends (ISRI code word Noble);
- (g). Other yellow brass includes, but is not necessarily limited to:  
Yellow brass scrap (ISRI code word Honey), yellow brass castings (ISRI code word Ivory), and shell cases (ISRI code words Lace, Lady, Lake, Lamb);
- (h). Other copper alloys includes, but is not necessarily limited to:  
High grade-low lead bronze solids (ISRI code word Eland); nickel silver (ISRI code words Maize, Major, Malic), and manganese bronze (ISRI code word Parch);
- (i). Mixed solids and turnings of copper and copper alloy scrap, free of insulated wire and grindings includes, but is not necessarily limited to:  
Brass and bronze solids, turnings and soldered fittings (ISRI code word Drink);
- (j). Other copper scrap includes, but is not necessarily limited to:  
Grindings and unprepared tangled material.

Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7401	Copper mattes; cement copper (precipitated copper):	
7401.00.0010	Copper mattes .....	Cu kg①
7401.00.0050	Cement copper (precipitated copper) .....	kg
7402.00.0000	Unrefined copper; copper anodes for electrolytic refining .....	Cu kg①
7403	Refined copper and copper alloys, unwrought (other than master alloys of heading 7405):	
	Refined copper:	
7403.11.0000	Cathodes and sections of cathodes .....	kg
7403.12.0000	Wire bars .....	kg
7403.13.0000	Billets .....	kg
7403.19.0000	Other .....	kg
	Copper alloys:	
7403.21.0000	Copper–zinc base alloys (brass) .....	kg
7403.22.0000	Copper–tin base alloys (bronze) .....	kg
7403.29	Other copper alloys:	
7403.29.0110	Copper–nickel base alloys (cupro–nickel) or copper–nickel–zinc base alloys (nickel silver) .....	kg
7403.29.0180	Other .....	kg
7404	Copper waste and scrap:	
	With copper content as refined copper:	
	No. 1 copper:	
7404.00.0010	Bare bright wire .....	kg
7404.00.0015	Other .....	kg
7404.00.0025	No. 2 copper .....	kg
7404.00.0030	Other .....	kg
	Segregated scrap with copper content as copper alloys:	
	Red and semi–red brass:	
7404.00.0041	Containing more than 0.3 percent lead .....	kg
7404.00.0046	Other .....	kg

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Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7404 (con.)	Copper waste and scrap (con.): Segregated scrap with copper content as copper alloys (con.):	
	Yellow brass clippings, turnings and rod ends:	
7404.00.0051	Containing more than 0.3 percent lead .....	kg
7404.00.0056	Other .....	kg
	Other yellow brass:	
7404.00.0061	Containing more than 0.3 percent lead .....	kg
7404.00.0066	Other .....	kg
7404.00.0075	Other .....	kg
	Unsegregated (mixed) scrap:	
7404.00.0085	Mixed solids and turnings of copper and copper alloy scrap, free of insulated wire and grindings .....	kg
7404.00.0095	Other .....	kg
7405.00.0000	Master alloys of copper .....	kg
7406	Copper powders and flakes:	
7406.10.0000	Powders of non-lamellar structure .....	kg
7406.20.0000	Powders of lamellar structure; flakes .....	kg
7407	Copper bars, rods and profiles:	
7407.10.0000	Of refined copper .....	kg
	Of copper alloys:	
7407.21.0000	Of copper-zinc base alloys (brass) .....	kg
7407.29	Other:	
7407.29.0020	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver) .....	kg
7407.29.0090	Other .....	kg

Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7408	Copper wire: Of refined copper:	
7408.11	Of which the maximum cross-sectional dimension exceeds 6 mm (0.23 inch):	
7408.11.3000	With a maximum cross-sectional dimension over 9.5 mm (0.37 inch) .....	kg
7408.11.6000	With a maximum cross-sectional dimension over 6 mm (.0.23 inch) but not over 9.5 mm (0.37 inch) .....	kg
7408.19.0000	Other .....	kg
	Of copper alloys:	
7408.21.0000	Of copper-zinc base alloys (brass) .....	kg
7408.22.0000	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver) .....	kg
7408.29.0000	Other .....	kg
7409	Copper plates, sheets and strip, of a thickness exceeding 0.15 mm (0.006 inch):	
	Of refined copper:	
7409.11.0000	In coils .....	kg
7409.19.0000	Other .....	kg
	Of copper-zinc base alloys (brass):	
7409.21.0000	In coils .....	kg
7409.29.0000	Other .....	kg
	Of copper-tin base alloys (bronze):	
7409.31.0000	In coils .....	kg
7409.39.0000	Other .....	kg
7409.40.0000	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver) .....	kg
7409.90.0000	Of other copper alloys .....	kg



Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7410	Copper foil (whether or not printed or backed with paper, paper-board, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.15 mm (0.006 inch):	
	Not backed:	
7410.11.0000	Of refined copper .....	kg
7410.12.0000	Of copper alloys .....	kg
	Backed:	
7410.21	Of refined copper:	
7410.21.3000	Copper clad laminates .....	m <sup>2</sup>
7410.21.6000	Other .....	kg
7410.22.0000	Of copper alloys .....	kg
7411	Copper tubes and pipes:	
	Of refined copper:	
7411.10	Of refined copper:	
7411.10.1000	Seamless .....	kg
7411.10.5000	Other .....	kg
	Of copper alloys:	
7411.21	Of copper-zinc base alloys (brass):	
7411.21.1000	Seamless .....	kg
7411.21.5000	Other .....	kg
7411.22.0000	Of copper-nickel base alloys (cupro-nickel) or copper-nickel-zinc base alloys (nickel silver) .....	kg
7411.29	Other:	
7411.29.1000	Seamless .....	kg
7411.29.5000	Other .....	kg
7412	Copper tube or pipe fittings (for example, couplings, elbows, sleeves):	
7412.10.0000	Of refined copper .....	kg
7412.20.0000	Of copper alloys .....	kg

Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7413	Stranded wire, cables, plaited bands and the like, including slings and similar articles, of copper, not electrically insulated:	
	Not fitted with fittings and not made up into articles:	
7413.00.1000	Stranded wire .....	kg
7413.00.5000	Other .....	kg
7413.00.9000	Fitted with fittings or made up into articles .....	kg
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:	
7415.10.0000	Nails and tacks, drawing pins, staples and similar articles .....	kg
	Other articles, not threaded:	
7415.21.0000	Washers (including spring washers) .....	kg
7415.29.0000	Other .....	kg
	Other threaded articles:	
7415.33	Screws, bolts, and nuts:	
7415.33.0500	Screws for wood .....	kg
7415.33.8550	Other .....	kg
7415.39.0000	Other .....	kg
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:	
7418.11.0000	Pot scourers and scouring or polishing pads, gloves and the like .....	kg

Section XV – Chapter 74

Schedule B No. and Headings	Commodity Description	Unit of Quantity
7418 (con.)	Table, kitchen or other household articles and parts thereof, of copper; pot scourers and scouring or polishing pads etc. – (con.):	
	Table, kitchen or other household articles and parts thereof; pot scourers and scouring or polishing pads, etc. – (con.):	
7418.19	Other:	
7418.19.3000	Cooking or heating apparatus of a kind used for domestic purposes, non–electric, and parts thereof, of copper .....	kg
7418.19.6000	Other .....	kg
7418.20.0000	Sanitary ware and parts thereof .....	kg
7419	Other articles of copper:	
7419.10.0000	Chain and parts thereof .....	kg
	Other:	
7419.91	Cast, molded, stamped or forged, but not further worked:	
7419.91.0010	Brass plumbing goods, not elsewhere specified or included .....	kg
7419.91.0050	Other .....	kg
7419.99	Other:	
	Cloth (including endless bands), grill and netting, of copper wire; expanded metal of copper:	
7419.99.0100	Cloth .....	kg
7419.99.0900	Other .....	kg
7419.99.1500	Containers of a kind normally carried on the person, in the pocket or in the handbag .....	Doz.
7419.99.1600	Copper springs .....	kg
7419.99.5010	Brass plumbing goods not elsewhere specified or included .....	kg
7419.99.5500	Other .....	kg