

SAFETY DATA SHEET

OSHA Hazard Communication Standard 29 CFR 1910.1200 · Article (solid copper metal)
Document PP-SDS-CU-ANODE-001 · Revision 1 · 25 August 2026

Manufacturer: PrintPlating · Saint Paul, MN 55117 · United States
Product: PrintPlating Copper Anode Sheets, 50 × 100 × 0.4 mm, pack of 25 (SKU PP-ANODE-25)
Medical emergency (US): Poison Control 1-800-222-1222

Section 1 — Identification

Product name	PrintPlating Copper Anode Sheets
Chemical name	Copper metal
CAS No.	7440-50-8
Recommended use	Soluble / hanging anode in a copper-sulfate electroplating or electroforming bath.
Uses advised against	Food wrap, children's toys, grinding without dust control.

Section 2 — Hazard identification

As shipped (solid sheets): **not classified as a hazardous chemical** under OSHA HCS — this is an article. Hazards appear if you grind, melt, or generate copper dust or fume. Copper dust/fume: respiratory irritation; OSHA PEL 1 mg/m³ dust, 0.1 mg/m³ fume. Edges may be sharp. Plating baths using these sheets follow the sulfate SDS, not this sheet.

Section 3 — Composition

Component	CAS	Weight %
Copper	7440-50-8	≥99

Section 4 — First-aid measures

- Cuts from sheet edges: clean, bandage, seek care if deep.
- Dust in eyes (from grinding): rinse 15 minutes, get medical care.
- Fume inhalation (from melting): fresh air, medical care if breathing is affected.

Section 5 — Fire-fighting measures

Solid copper does not burn under normal conditions. Fine dust can be a fire/explosion hazard in extreme industrial settings. Use extinguishing media suitable for the surrounding fire.

Section 6–8 — Spill, handling, PPE

Sheets: gloves to avoid cuts. No dust expected as packed. If you shear many sheets, sweep scrap metal for recycling. Do not grind without local exhaust and a P100 respirator. Wash hands after handling before eating.

Section 9 — Physical and chemical properties

Appearance: salmon/orange metal sheet. Melting point: 1083 °C. Density: 8.96 g/cm³. Insoluble in water. Soluble as ions in acid copper plating baths.

Section 10–13

Stable solid. Incompatible with strong acids, acetylene, and some oxidizers if finely divided. Recycle copper scrap. Do not discard large amounts of copper in household trash where local metal-waste rules apply.

Section 14 — Transport

Solid copper sheets are not typically regulated as dangerous goods. Not UN3077 (that number is the sulfate salt).

Section 15–16

TSCA listed (copper). SARA 313: copper may apply to manufacturing dust, not to this article as shipped. SDS provided so Amazon / Etsy customers have a manufacturer-named sheet.