

Safety Data Sheet



Section 1 - Chemical Identification

Product Name: Copper wire, reduced
Catalog Numbers: CI-1305
SDS number : 36
Intended Purpose: elemental analysis – laboratory use

Company Crossings, Inc.
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Section 2 - Hazards Identification

Hazard Class: Product does not meet criteria for classification.

Hazard Symbol: None

Warning Word: None

Precautionary Statement: Follow good industrial hygiene rules. Wash hands after use, store away from incompatible materials, dispose of contents/container in accordance with federal/state/local regulations.

Section 3 - Composition, Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS#</u>	<u>%/W</u>
Copper		7440-50-8	99.9

Section 4 - First Aid Measures

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Immediately flush eyes with plenty of water. **If eye irritation persists:** Seek medical aid.

Skin: Wash skin with plenty of water and soap removing any contaminated clothing and shoes.

Ingestion: DO NOT induce vomiting. Rinse mouth. Seek medical aid.

Inhalation: Remove to fresh air immediately. If symptoms persists seek medical aid.

Section 5 - Fire Fighting Measures

Nonflammable solid – air-born dust may ignite.

Suitable Media: Use appropriate media for surrounding area.

Hazards from Chemical: Gasses hazardous to health may develop during a fire.

Specific Methods: Firefighters use standard protective equipment and self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions: Use suitable protection equipment, avoid creating dust.

Recovery method: Sweep up or vacuum up, collect in suitable container, dispose according to local, state and federal regulations.

Section 7: Handling and Storage

Handling: Avoid breathing dust. Avoid creating dust. Avoid eye, skin contact. Use in a proper ventilated area.

Storage: Keep container closed when not in use- store in a clean dry and well ventilated environment.

Section 8 - Exposure Controls, Personal Protection

CAS#	Chemical Name	Form	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)	NIOSH TWA(mg/m3)
7440-50-8	Copper	Dust and Mist	1		1
		Fumes	0.1		

Biological Limits: No biological exposure limits noted for ingredients.

Controls: Use adequate exhaust ventilation to keep airborne concentrations below the exposure limits.

Eye/Face/Skin/Clothing Protection: Wear appropriate protective eyeglasses, gloves and clothing.

Respirators: Use an OSHA / NIOSH approved respirator for an inadequate ventilation area.

SECTION 9 - Physical and Chemical Properties

Physical state: Solid – wire, sticks.

Appearance: Orange, red - brown

Odor: None

PH: Not available.

Vapor pressure: N/A

Vapor density: N/A

Viscosity: not available.

Boiling point: 2594°C

Freezing/melting point: N/A

Decomposition temperature: N/A.

Solubility: insoluble (water)

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions and storage.

Conditions to avoid: Strong acids and incompatible materials.

Hazardous Decomposition: Copper fumes

Incompatible materials: Oxidizers, strong acids, halogens, sodium sulfide

Section 11 - Toxicological Information

Routes of exposure

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled.

Skin: Discoloration of skin with repeated exposure.

Eye: Will cause irritation.

Toxicological effects

Acute toxicity: No data available.

Skin: Prolonged skin contact may cause temporary irritation.

Eye damage/eye irritation: N/A

Respiratory sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity OSHA Specifically Regulated

Substances (29 CFR 1910.1001-1050) Not listed.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: Not available.

Chronic effects: Symptoms of copper poisoning: cold sweat, headache, jaundice, kidney/liver failure, weak pulse.

Section 12 - Ecological Information

Eco-toxicity: Aquatic. LC50 – Oncorhynchus mykiss (rainbow trout): 0.19 – 0.21 mg/l – 96h
EC50 - Daphnia magna (Water flea): 0.001 -0.039 mg/l -48h

Persistence and Degradability: No data available.

Mobility in soil: No data available

Section 13 - Disposal Considerations

Dispose of in accordance with all federal, state and local regulation. Contact a local industrial recycler.

Section 14 - Transport Information

DOT: not a dangerous good.

IMDG UN number: 3077 Class: 9 Group: III EMS-No: F-A, S-F Marine pollutant: yes

Proper shipping name: ENVIRONMENTALLY HAZARDOUS, SOLID, N.O.S. (copper)

Additional information: EH-Mark required(ADR2.2.9.1.10, IMDG code2.10.3) for single packaging and packagings containing inner packages with Dangerous Good >5L for liquids or >5KG for solids.

Section 15 - Regulatory Information

US Federal Regulations

U.S. TSCA Inventory: On toxic control list.

CERCLA Sections 102a/103 Reportable Quantities: Copper 5000 lbs.

SARA Title III Section 302 Extreme Hazardous substance: Not listed

Section 304 Emergency release notification: Not regulated

Sections 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals:	Chemical Name	CAS#	%/W
	Copper	7 440-50-8	99.9

OSHA Process Safety (29 CFR 1910.119): Not listed.

State Regulations:

California Proposition 65: Not listed.

Massachusetts: Right to know -Copper CAS # 7440-50-8

New Jersey: Right to Know-Copper CAS # 7440-50-8

Pennsylvania: Right to Know - Copper CAS # 7440-50-8

Canadian Inventory Control: DSL - Listed

NDSL –not listed

Section 16 – OTHER INFORMATION

HMIS® ratings Health: 1 Flammability: 1 Physical: 0

NFPA ratings Health: 1 Flammability: 1 Instability: 0

The information provided in the SDS is believed to be correct to the best of our knowledge and is attended only as guidance for the safe use, storage and disposal of the product. Crossings Inc, cannot assure the accuracy of the information provided and shall not be responsible or liable for any damage or losses resulting from use.

Date: October 20, 2015