

# Safety Data Sheet



## Section 1 - Chemical Identification

Product Name: Silver plated wire  
Catalog Numbers: CI-1422  
SDS number: 51  
Intended use: Laboratory use

**Company** Crossings, Inc.  
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Lincoln, NE 68522  
402-435-7942

**Website:** [www.crossingsinc.com](http://www.crossingsinc.com)  
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ChemTel: 800-255-3924

## Section 2 - Hazards Identification

**Classification:** The substance is not classified as hazardous according to the Globally Harmonized System (GHS)

**Label elements:** Not Required.

**Signal Word:** None

**Precautionary Statement:** Avoid breathing dust. Wash thoroughly after handling. Observe good industrial hygiene practices. Store in a dry place. Dispose of waste and residues in accordance with local authority requirements

**Other Hazards:** None

## Section 3 - Composition, Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS#</u>	<u>%/W</u>
Copper		7440-50-8	88 – 98
Silver		7440-22-4	2 - 12

## Section 4 - First Aid Measures

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

**EYES:** Flush eyes with plenty of water. **If eye irritation persists:** Seek medical aid.

**SKIN:** Wash skin with plenty of water. Seek medical aid if irritation develops or persists.

**INGESTION:** Wash out mouth. Do not induce vomiting unless suggested by a doctor. Seek medical aid.

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

## Section 5 - Fire Fighting Measures

**Suitable Extinguishing Media:** Material is nonflammable. Use appropriate media.

**Unsuitable Extinguishing Media:** N/A

**Hazards Arising from Chemical:** Fumes

**Specific Methods:** Firefighters use standard protective equipment and respiratory equipment.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Use suitable protection equipment when cleaning up any spills.

**Recovery method:** Avoid dust creation. Gently sweep up, collect in suitable container. Dispose of material in accordance to local, state and federal regulations.

## Section 7: Handling and Storage

**Handling:** Avoid dust creation. Avoid breathing dust. Wash all areas after handling. Avoid eye, skin and clothing contact. Use in a proper ventilated area.

**Storage:** Keep container closed when not in use- store in a clean dry and well ventilated environment.  
Store away from oxidizing agents.

### **Section 8 - Exposure Controls, Personal Protection**

<u>CAS#</u>	<u>Chemical Name</u>	<u>Form</u>	<u>OSHA PEL(mg/m3)</u>	<u>ACGIH TLV(mg/m3)</u>
7440-50-8	Copper	Dust	1	1
7440-50-8	Copper	Fumes	0.1	0.2
7440-22-4	Silver	Dust	0.01	0.1
7440-22-4	Silver	Fumes	-	-

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

**Eye and Face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin:** Wear appropriate gloves.

**Clothing:** Wear appropriate protective clothing to prevent contact.

**Respirators:** Use an approved respirator.

### **SECTION 9 - Physical and Chemical Properties**

**Physical state:** Solid

**Appearance:** Silver

**Odor:** None

**Vapor pressure:** N/A

**Vapor density:** N/A

**Evaporation rate:** N/A.

**Viscosity:** not available.

**Boiling point:** °C N/A

**Freezing/melting point:** N/A

**Decomposition temperature:** N/A.

**Solubility in water:** Insoluble

**Specific gravity /Density:** 8.91-9.02

### **Section 10 - Stability and Reactivity**

**Stability:** Stable under normal temperature and pressure conditions.

**Conditions to avoid:** Strong acids, acetaldehyde, acetylene

**Hazardous Decomposition:** May give off fumes

**Incompatible Polymerization:** Not available

### **Section 11 - Toxicological Information**

#### **Information on routes of exposure.**

**Ingestion:** Not available

**Inhalation:** May cause irritation to the respiratory system.

**Skin contact** Not available

**Eye contact:** Dust in the eyes will cause irritation..

#### **Information on toxicological effects**

**Acute toxicity:** No data available.

**Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation:** Dust will cause irritation.

**Respiratory sensitization:** No date available.

**Skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity OSHA Specifically Regulated**

**Substances (29 CFR 1910.1001-1050)** Not listed.

**Reproductive toxicity:** No data available.

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

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

**Aspiration hazard:** Not available.

**Chronic effects:** Prolonged inhalation of dust may cause lung damage.

**Section 12 - Ecological Information**

**Eco-toxicity:** No data

**Mobility in soil:** No data.

**Persistence and Degradability:** No data

**Bio-accumulative Potential:** No data.

**Section 13 - Disposal Considerations**

Dispose of according to applicable federal, state and local regulation.

**Section 14 - Transport Information**

Not regulated as Dangerous material by DOT / TDG / IMDDG / IATA

**Section 15 - Regulatory Information**

US Federal Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): RQ – 5000lbs

SARA 313 Title III Section 302: Not listed.

SARA 313 Title III Section 304: Not regulated

SARA 313 Title III Section 313 (TRI reporting)

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

SARA Title III Sections 311/312 Hazardous Categories: No

TSCA 12(b), Export Notification: Not listed.

**State Regulations:** California Proposition 65: Not listed.

**Section 16 – OTHER INFORMATION**

**NFPA ratings** (scale 0 - 4) Health = 0 Fire = 0 Reactivity = 0

**HMIS ratings** (scale 0 - 4) Health = 0 Fire = 0 Reactivity = 0

The information provided in the SDS is believed to be correct to the best of our knowledge and is intended 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 10, 2015