

## I. Product Identification

<b>Product ID:</b>	0301
<b>Product Name:</b>	Copper
<b>Variants:</b>	a - 24 ga wire chop b - 10 ga wire chop
<b>Recommended Use:</b>	Laboratory chemicals
<b>Supplier:</b>	CDg Supply PO Box 135 Floral City, FL 34436
<b>Email:</b>	<a href="mailto:sds@cdgsupply.com">sds@cdgsupply.com</a>
<b>Online:</b>	<a href="http://www.cdgsupply.com/sds/">www.cdgsupply.com/sds/</a>
<b>Emergency:</b>	352.400.5317 (24-hour)

## II. Hazards Identification

<b>GHS Classification:</b>	Not considered hazardous under 2012 OSHA Hazard Classification Standard (29 CFR 1910.1200)
<b>GHS Label Elements</b>	
<b>Signal Word:</b>	n/a
<b>Hazard Statements:</b>	n/a
<b>Precautionary Statements:</b>	n/a

## III. Composition/Information on Ingredients

<u>Component</u>	<u>CAS Number</u>	<u>Percent Weight</u>
Copper	7440-50-8	>99%

## IV. First Aid Measures

<b>Skin Contact:</b>	Remove contaminated clothing. Brush material off skin. Wash off with soap and water. Seek medical attention if symptoms occur.
<b>Eye Contact:</b>	Flush eyes with plenty of water, including under upper and lower eyelids for at least 15 minutes. Seek medical attention.
<b>Inhalation:</b>	Remove to fresh air. Seek medical attention if symptoms occur.
<b>Ingestion:</b>	Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention.
<b>Most Important Symptoms/Effects:</b>	May cause irritation.

## V. Firefighting Measures

<b>Suitable Extinguishing Media:</b>	Substance is nonflammable. Use appropriate media for surrounding material and type of fire. Use Class D or other metal extinguishing agent for fires involving dusts or molten metals.
<b>Unsuitable Extinguishing Media:</b>	Do not use water on fires involving molten metal.

<b>Specific Hazards Arising from the Material:</b>	Thermal decomposition of material may release copper oxide fumes.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear full face, self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

## VI. Accidental Release Measures

<b>Personal Precautions:</b>	Wear personal protective equipment as specified in Section VIII. Avoid the creation of dust.
<b>Environmental Precautions:</b>	Do not dispose of into sanitary sewer systems. Do not allow material to contaminate ground water systems. Should not be released into environment.
<b>Methods for Containment and Cleanup:</b>	Sweep, scoop, or shovel into properly labeled closed containers. Avoid the creation of dust. Dispose of according to federal, state, and local regulations. Material can be recycled.

## VII. Handling and Storage

<b>Precautions for Safe Handling:</b>	Wear personal protective equipment as specified in Section VIII. Use with adequate ventilation if fines, dust, or fumes are created. Avoid contact with skin or eyes. Avoid ingestion or inhalation. Wash thoroughly before eating or smoking.
<b>Conditions for Safe Storage:</b>	Store in sealed container in a cool, dry area. Incompatible materials are specified in Section X.

## VIII. Exposure Controls and Personal Protection

### Exposure Limits

<u>Component</u>	<u>OSHA/PEL</u>	<u>NIOSH/IDHL</u>	<u>ACGIH/TLV</u>
Copper	0.1 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>

### Personal Protection

<b>Engineering Controls:</b>	Use proper laboratory housekeeping and sanitation practices. Provide adequate ventilation to keep dust and fume levels below occupational exposure limits.
<b>Eye/Face Protection:</b>	Use OSHA approved safety glasses.
<b>Respiratory Protection:</b>	Use NIOSH approved dust respirator if fines or dust is present
<b>Skin Protection:</b>	Use protective gloves and clothing to prevent skin exposure.

## IX. Physical and Chemical Properties

<b>Physical State @ STP:</b>	Solid
<b>Appearance:</b>	Pinkish, reddish, brown metallic
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data
<b>pH:</b>	n/a
<b>Melting Point:</b>	1083 °C

<b>Boiling Point:</b>	2562 °C
<b>Flash Point:</b>	n/a
<b>Evaporation Rate:</b>	n/a
<b>Flammability:</b>	n/a
<b>Flammability Upper Limit:</b>	n/a
<b>Flammability Lower Limit:</b>	n/a
<b>Vapor Pressure:</b>	No data
<b>Vapor Density:</b>	n/a
<b>Specific Density @ STP:</b>	8.94 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient; n-octanol/water:</b>	No data
<b>Autoignition Temperature:</b>	No data
<b>Decomposition Temperature:</b>	No data
<b>Viscosity:</b>	n/a

### **X. Stability and Reactivity**

<b>Reactivity:</b>	No data
<b>Stability:</b>	Stable under listed storage conditions in Section VII.
<b>Conditions to Avoid:</b>	Creation of fines and dust. Prolonged exposure to air.
<b>Incompatible Materials:</b>	Strong oxidizers. Acids.
<b>Hazardous Decomposition Products:</b>	Copper Oxides.

### **XI. Toxicological Information**

<b>Acute Toxicity:</b>	No data
<b>Likely Routes of Exposure:</b>	Inhalation, skin, eyes.
<b>Symptoms of Exposure:</b>	May cause irritation.
<b>Acute and Chronic Effects:</b>	No data

#### **Carcinogenicity**

<b><u>Component</u></b>	<b><u>CAS Number</u></b>	<b><u>NTP</u></b>	<b><u>IARC</u></b>	<b><u>ACGIH</u></b>	<b><u>OSHA</u></b>
Copper <sup>(1)</sup>	7440-50-8	Not listed	Not listed	Not listed	Not listed

**(1) Note:** The toxicological properties of this substance are not fully investigated.

### **XII. Ecological Information**

<b>Ecotoxicity:</b>	Very toxic to aquatic organisms. Product contains substances which are hazardous to the environment. Do not allow material to contaminate ground water systems.
<b>Persistence and Degradability:</b>	May persist as substance is insoluble in water.
<b>Bioaccumulation Potential:</b>	No data

<b>Mobility in Soil:</b>	Not likely mobile in the environment
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### **XIII. Disposal Considerations**

#### **Waste Disposal Methods**

<b>Product:</b>	Dispose of according to Federal, State, and Local regulations.
<b>Packaging:</b>	Dispose of according to Federal, State, and Local regulations.

### **XIV. Transport Information**

<b>DOT:</b>	Not regulated
<b>IMDG:</b>	Not regulated
<b>IATA:</b>	Not regulated

### **XV. Regulatory Information**

<b>SARA 302 Components:</b>	No components with a section 302 EHS TPQ.
<b>SARA 311/312 Hazards:</b>	No SARA Hazards.
<b>SARA 313 Components:</b>	No components exceeding thresholds established by SARA Title III, Section 313.

### **XVI. Other Information**

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge at the time of creation and is provided solely as guidance for the safe handling, transportation, storage, and disposal of the product identified in Section I. This information is not a guarantee of analysis or properties of the product. The information provided does not apply to materials produced from the combination or processing of the identified product in Section I with other materials. CDG Supply and its affiliates shall not be held liable for damages resulting from the handling or use of this product.

<b>Prepared By:</b>	CDg Supply
<b>Creation Date:</b>	26 March 2024