

**MATERIAL SAFETY DATA SHEET****Product Name:** Copper metal**CAS No.:** 7440-50-8**Version:** 0**1. Identification**

**Product Code** : 91846  
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**2. Hazards Identification**

**Hazard classification** : Not classified  
**Label elements**  
**Hazard symbol** : No symbol  
**Signal word** : No signal word.  
**Hazard statement** : Not applicable.  
**Precautionary statement** : Not applicable.  
**Other hazards which do not result in GHS classification** : None.

**3. Composition/information on ingredients**

<b>Ingredient</b>	<b>CAS No</b>	<b>Percent</b>
COPPER METAL	7440-50-8	NLT-99.0%

**4. First Aid Measures****Description of first aid measures**

**Ingestion** : Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell.  
**Inhalation** : Move to fresh air. Get medical attention if symptoms persist.  
**Skin contact** : Wash off with soap and plenty of water.  
**Eye contact** : Flush thoroughly with water.  
**Swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water  
**Most important symptoms and effects, both acute and delayed** : To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.

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**Indication of any immediate medical attention and special treatment needed Treatment** : No data available

**5. Fire fighting measures****Extinguishing media**

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** : Copper oxides

**Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary

**Further information** : No data available

**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections** : For disposal see section 13.

**7. Handling and Storage**

**Precautions for safe handling** : Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**Specific end use(s)** : No data available

**MATERIAL SAFETY DATA SHEET****Product Name:** Copper metal**CAS No.:** 7440-50-8**Version:** 0**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.**Personal protective equipment****Eye/face protection** : Use equipment for eye protection tested and approved under appropriate government standards.**Skin Protection Hand protection** : Wear protective gloves.**Body Protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**Respiratory protection** : Respiratory protection is not required**9. Physical and Chemical Properties****Appearance** : A fine reddish-brown metallic powder**Odor** : No data available**pH** : No data available**Melting point/freezing point** : No data available**Initial boiling point and boiling range** : No data available**Flash Point** : Not applicable.**Vapor pressure** : No data available**Vapor density** : No data available**Specific gravity** : 8.94 g/mL at 25 °C**Solubility in water** : Soluble**Solubility (other)** : No data available**Formula** : Cu**Molecular Weight** : 63.54 g/mol**10. Stability and Reactivity****Reactivity** : No data available**Chemical stability** : Stable under recommended storage conditions**Possibility of hazardous reactions** : No data available

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**Conditions to avoid** : No data available  
**Incompatible materials** : Strong acids, Strong oxidizing agents, Acid chlorides, Halogens  
**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.  
Thermal decomposition generates: Corrosive vapours.

**11. Toxicological Information****Information on toxicological effects**

**Acute toxicity** : LD50 Intraperitoneal - mouse – 3.5 mg/kg  
**Skin corrosion/irritation** : No data available  
**Serious eye damage/eye irritation** : No data available  
**Respiratory or skin sensitization** : No data available  
**Germ cell mutagenicity** : No data available  
**Carcinogenicity** : No data available  
**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** : No data available

**12. Ecological Information**

**Toxicity** : No data available.  
**Persistence and degradability** : No data available.  
**Bioaccumulative potential** : No data available.  
**Mobility in soil** : No data available.  
**Results of PBT and vPvB assessment** : No data available.  
**Other adverse effects** : Very toxic to aquatic life with long lasting effects.

**13. Disposal consideration**

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.  
**Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3077	Copper	9	III	Yes
<b>IMDG</b>	3077	Copper	9	III	Yes
<b>IATA</b>	3077	Copper	9	III	Yes

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :**01/08/2014**Version :** 0

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