

Material Safety Data Sheet - Copper

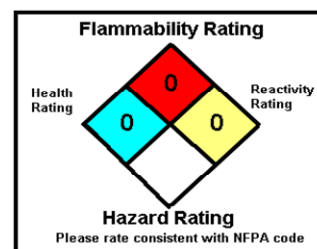


CAMBRIDGE-LEE INDUSTRIES, LLC.

Reading Tube Division

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Section I Name and Product

Manufacturer's Name Cambridge-Lee Industries, LLC., Reading Tube Division	Contact William Rissmiller, EHS Manager
Address (Street, City, State and Zip Code) 86 Tube Drive, Reading, PA 19605	Emergency Telephone No. 610-926-4141
Trade Name, Common Name or Specification Copper (Tubing-Industrial)	Date February 9, 2009
Chemical Family or Product Type	

Section II Composition

Chemical Name	Weight %	Common Name	Reg* (Y/N)	CAS#		ACGIH TLV	Carcinogen* (Y/N)
Copper	99.9+			7440-50-8	Dust - 1.0	1.0	N
					Fume - 0.1	0.2	

*Materials are regulated by OSHA 29 CFR 1910.1200. Hazard Communication Standard.

Section III Physical and Chemical Data

Boiling Point	2595°C	Melting Point	1083°C	Specific Gravity	8.96
Vapor Pressure	1mm@ 1628°C	Percent Volatile By Vol.	N/A	Vapor Density	N/A
Evaporation Rate	N/A	Solubilty in Water	Insoluble	Solubility in Alcohol	N/A
Solubility in Other Solvent	N/A	Appearance and Odor	Reddish - yellow metal, odorless, various shapes		

Section IV Fire and Explosion Hazard Data

Flash Point	N/A	(Method Used)		Flammable Limits LEL	N/A	UEL	N/A
Extinguishing Media	Powdered dolomite, sodium chloride (salt) graphite or approved dry powder						
Special Fire Fighting Procedures	Do not use water, copper solid forms (tubing, cathode, billets) are not flammable or explosive.						
Explosion Potential	Fine copper powder is a moderate fire hazard. In the presence of halogenates, copper powder may be explosive with heat, percussion, or friction. See Section VI.						

Section V Health, First Aid and Medical Data

Primary Route(s) of Entry	Acute and Chronic Health Effects and Effects of Overexposure	First Aid and Medical Information
Inhalation	Acute: Metal fume fever. Symptoms: Chills, fever, aching muscles, dry mouth and throat, headache, nausea, vomiting, diarrhea. Onset may be delayed several hours.	Seek medical assistance. Remove to fresh air, administer oxygen and CPR, if needed.
Ingestion	Chronic: No long-term effects	Seek medical assistance. Induce vomiting, if conscious.
Skin Contact & Absorption	N/A	N/A
Eye	Fragments in cornea may cause cataracts.	Seek medical assistance. Use copious water, particles must be removed.
Other Potential Health Risks	None known	N/A

Section VI Corrosivity and Reactivity Data

Stability Unstable Stable **Polymerization** May Occur Will Not Occur

Incompatibility (Materials to Avoid)

Reacts violently with acetylene, hydrogen peroxide, gaseous chlorine, ammonia nitrate, bromates, chlorates, hydrogen sulfides, lead azide, hydrazine.

Decomposition Products

Copper does not decompose

Conditions To Be Avoided

High temperatures that could result in fumes.

Section VII Storage, Handling and Use Procedures

Normal Storage and Handling

Avoid storage near incompatible materials. See Section VI

Normal Use

Avoid conditions which create fumes or fine dusts. Do not use where incompatible materials, see Section VI, may be present.

Steps To Be Taken In Case Of Leaks Or Spills

Confine and contain spill. Use vacuum or other appropriate methods for pickup which minimizes dust.

Waste Disposal Method

Recycle or dispose of in accordance with Federal or State regulations.

Section VIII Personal Protection Information Storage, Handling and Use Procedures

Respiratory Protection (Specify Type)

Use NIOSH-approved dust/fume respirator for dust or fume.

Ventilation	Local	YES, when necessary to maintain exposure below specified limits.
	Mechanical (General)	YES, when appropriate.
	Other	Not required.

Protective Gloves Not expected to be required during normal use.

Eye Protection Safety Glass recommended when dust, shavings exists.

Other Protection Not expected to be required during normal use.

Measures To Be Taken During Repair And Maintenance Of Contaminated Equipment That Has Been In Contact With This Material
 Avoid generating fume or dusts.

Section IX Special Precautions

Precautions To Be Taken In Handling And Storage

Other Precautions Avoid inhalation or ingestion. Practice good housekeeping and personal hygiene procedures. The user should take precautions to limit airborne dust created with the use of this product.

For Company Use

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Cambridge-Lee Industries makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

NAIF = No Applicable Information Found *N/A = Not Applicable

Section 313 Supplier Notification - This product contains toxic chemicals, note Section II above, that are subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40CFRS372.