

IMPORTANT MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires that this form be kept on file.

Product No. SA 349Z.M

Product Name CUPRIC OXIDE

CHEMTEC 800-421-8300	
Health Hazard	2
Flammability	0
Reactivity	0

SECTION I NAME	
Chemical Synonyms	Copper (II) Oxide
Formula	CuO
C.A.S. No.	1317-38-0

SECTION II PHYSICAL AND CHEMICAL PROPERTIES			
Principal Hazardous Component(s)	%	P.E.L.	TLV Units
Copper Oxide	100	N/A	0.2 mg/m ³

* chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA			
Melting Point (°F)	1326°C	Specific Gravity (H ₂ O=1)	6.40
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (g/hr)	N/A
Vapor Density (Air =1)	N/A		
Solubility in Water	Negligible		
Appearance & Odor	Black crystalline powder; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA				
Flash Point (Method Used)	Nonflammable	Flammable Limits in Air % by Volume	Lower	Upper
			N/A	N/A
Extinguisher Media	N/A			

Special Firefighting Procedures

N/A

Unusual Fire and Explosion Hazards

Not an explosion hazard.

DEC 07 1995

D.O.T.	Not Regulated
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(TLV/TWA) 0.2 mg/m³

9151

Effects of Overexposure

Inhalation: Irritation of upper respiratory tract. Ingestion: None identified. Eye/Skin Contact: Irritant.

Emergency and First Aid Procedures

Inhalation: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Ingestion: Call physician. If conscious, induce vomiting. Skin Contact: Flush skin with plenty of water. Eye Contact: Flush thoroughly with water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire surface. If irritation persists, obtain medical attention.

SECTION VI REACTIVITY DATA	
Stability	Conditions to Avoid
Stable ☒ Unstable ☐	N/A
Incompatibility (Materials to Avoid)	None identified.
Hazardous Decomposition Products	None identified.
Hazardous Polymerization	Conditions to Avoid
May Occur ☐ Will Not Occur ☒	N/A

SECTION VII SPILL OR LEAK PROCEDURES	
Steps to be Taken in Case Material is Released or Spilled	
Sweep, scoop or pick up spilled material.	

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of small quantities only. Collected waste may be transferred to a closed container and sent to an approved waste disposal facility.

SECTION VIII SPECIAL PROTECTION INFORMATION			
Respiratory Protection (Specify Type)	If necessary, NIOSH-approved respirator.		
Ventilation	Local Exhaust ☒ Mechanical (General) ☐	Special ☐	Other ☐
Protective Clothing	Rubber gloves	Eye Protection	Safety goggles
Other Protective Equipment	Lab coat.		

SECTION IX SPECIAL PRECAUTIONS	
Precautions to be Taken in Handling & Storage	
Store in a cool, dry ventilated area. Protect against physical damage. Wash thoroughly after handling.	

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

The user should recognize that this product can cause severe injury and even death, especially if mishandled or the known dangers are not heeded.

Approved by	Steven C. Quandt	Effective Date	06/27/95	For laboratory use only. Not for household use. Keep out of reach of children.
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