

COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS (29 CFR 1910.1200)

SECTION 1: MANUFACTURER

Amerex Corporation
P. O. Box 81
Trussville, AL 35173-0081

PRODUCT IDENTIFICATION

Copper Powder
Copper, Navy 125S

EMERGENCY: Chemtrec: 1-800-424-9300
Amerex: 1-205-655-3271

SECTION 2: HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	%	*ACGIH		*OSHA		ID LH	OTHER
			TLV	mg/m ³ STEL	PEL	mg/m ³ STEL		
Copper	7740-50-8	100*	1 (dust, mist) 0.2 (fume)	NE	1 (dust, mist) 0.1 (fume)	NE	NE	DFG MAK 1 (dust, mist) 0.1 (fume)

*ACGIH TLV for particulates not otherwise classified = 10; OSHA PEL for Particulates Not Otherwise Regulated; Total Dust = 15 Respirable Fraction = 5.

*NE = None Established

SECTION 3: PHYSICAL DATA

BOILING POINT: Not Applicable.
VAPOR PRESSURE: Not Applicable.
VAPOR DENSITY: Not Applicable.
SOLUBILITY IN WATER: Not soluble.
SPECIFIC GRAVITY: Approximately 3.4.
PERCENT VOLATILE BY VOLUME: Not Applicable.
EVAPORATION RATE: Not Applicable.
pH: (10% solution) Not Applicable.
APPEARANCE & COLOR: This material is a finely divided reddish powder.

SECTION 4: FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable.
FLAMMABLE LIMITS: Not Applicable.
EXTINGUISHING MEDIA: None. Product is a fire extinguishing agent.
SPECIAL FIREFIGHTING PROCEDURES: Incipient fire responders should wear protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment.

MATERIAL SAFETY DATA SHEET
MANUFACTURER: AMEREX CORPORATION
PRODUCT IDENTIFICATION: COPPER POWDER

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Abbrev.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: ACGIH TLV for particulates not otherwise classified = 10;
OSHA PEL: For particulates not otherwise regulated, Total Dust = 15, Respirable Fraction = 5.
EFFECTS OF OVEREXPOSURE: This product may cause mild skin irritation, moderate eye irritation and possible gastric distress.

EMERGENCY FIRST-AID PROCEDURES:

SKIN EXPOSURE: If spilled on skin IMMEDIATELY begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. If reddening or irritation occurs, victim and rescuers must seek immediate medical attention.
EYE EXPOSURE: If chemical irritates eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. MINIMUM flushing is for 15 minutes.
INHALATION: If chemical is inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions.

SECTION 6: REACTIVITY DATA

STABILITY DATE: Stable.
INCOMPATIBILITY: Explosively incompatible with sodium azide. Copper dusts may react with acetylene gas to form copper acetylides which are sensitive to shock.
HAZARDOUS DECOMPOSITION PRODUCTS: Copper fumes and copper oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7: SPILL OR LEAK PROCEDURES

SMALL SPILLS: Sweep or vacuum. Place in a double plastic bag & seal.
LARGE SPILLS: If it is determined that exposure guidelines for nuisance particulates-1 mg/m³ of dust (total particulates) or 5 mg/m³ (respirable particulates) is exceeded use Level C: triple gloves, chemically resistant suit and boots, hard hat, and air purifying respirator with HEPA filter. Sweep or vacuum.
FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not expected to be needed. Maintain airborne contaminant concentrations below guidelines for nuisance particulates (see Section 5).
VENTILATION: Use with adequate ventilation. Use fan or vent to outside.
PROTECTIVE GLOVES: Wear rubber gloves for routine industrial use.
EYE PROTECTION: Safety glasses.
OTHER PROTECTIVE EQUIPMENT: None except for large spills (see Section 7).

HMIS: 1-0-0 NFPA: 1-0-0

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Follow reasonable and safe practices.
Avoid getting chemicals ON YOU or IN YOU.
OTHER PRECAUTIONS: None

ANSI Z400.1-1993 FORMAT MSDS AVAILABLE ON REQUEST