



MD-BOTH INDUSTRIES

40 Nickerson Road
Ashland, MA 01721-1912
Tel: (508) 881-4100
Fax: (508) 881-1656

Hazard Ratings			
Minimal	0	HEALTH	1
Slight	1	FLAMMABILITY	1
Moderate	2	REACTIVITY	0
Serious	3	PERSONAL PROTECTION	E
Severe	4		

MATERIAL SAFETY DATA SHEET

Date of Preparation: May 17, 2004
Prepared by: Max Hui

SECTION 1

Manufacturer's Name: MD-BOTH Industries
Street Address: 40 Nickerson Road, Ashland, MA 01721
Emergency Telephone #: CHEMTREC 800-424-9300 24HRS
Chemical Name: Fine Copper Powder
Trade Name: MD-60 Copper, MD-90 Copper, MD-100 Copper, MD3700 Copper, MD 4760 Copper, MD-625 Copper, MD-650 Copper, MD-950 Copper, BC Copper, 5051C Copper, MD-2350 Copper, MD 6127 Copper, Fine Copper Powder

SECTION 2 - HAZARDOUS INGREDIENTS

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40CFR 372:

Chemical Name	CAS #	% by wt.	TSCA #	Exposure limits	
				OSHA	ACGIH TLV
Copper	7440-50-8	98.0-99.8%	A546-0888	1 mg/m ³	1 mg/m ³

This product also contains the following ingredient:

Chemical Name	CAS #	
Stearic Acid	57-11-4	0.3-1.5 % by Weight

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) N/A Vapor density: N/A Specific Gravity: 8.5 (H₂O=1.0) Appearance: Copper colored powder
Evaporation rate: N/A % VOC: 0.0 %

All of the components of this product are listed in the TSCA inventory and are found on the Canadian DSL.

SECTION 4 - FIRE AND EXPLOSION DATA

Technical Support - Metallic Finished Inks & Black Dispersions: (888) 863-2684 (IL)
Technical Support - Metallic Powders & Pastes: (800) 288-2684 (MA)
Customer Service: (800) 288-2684 (MA)

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
60 S. Seiberling Street • Akron, Ohio 44305

01/23/04 13:58 0300 001 1000 MD D01R 777 HARRISON 23000

Flammability Classification: OSHA: Not Classified

DOT: Metal Powders, Flammable, NOS, 4.1, UN3089, II
(COPPER)

Flash point: N/A

LEL: N/A

Extinguishing Media: Carbon Dioxide, Dry Powder, Foam

Unusual Fire And Explosion Hazards: None

Special Fire fighting Procedures: Use supplied-air breathing apparatus with full face piece.

SECTION 5 – HEALTH HAZARD DATA

Threshold Limit Value, Copper : 1 mg/m³ (CFR 1910.Table Z)

Possible Carcinogen : No

Effects of exposure

Inhalation: Possible irritation of mucous membranes and respiratory system.

Ingestion: Possible irritation of gastrointestinal tract

Skin contact: Possible irritation of skin or dermatitis

Eye contact: Possible irritation of eyes

Emergency First aid procedures:

Eyes: If the material comes in contact with the eyes, immediately wash with large amounts of water for 15 minutes or until irritation subsides, occasionally lifting the upper and lower lids. If irritation persists, get medical attention. Contact lenses should not be worn.

Skin: Wash contaminated skin with soap and water. If irritation develops, seek medical attention.

Inhalation: Remove to fresh air. If necessary, administer artificial respiration. Keep victim warm and quiet. Get medical attention.

Ingestion: Get medical attention.

Primary routes of entry: Skin contact, eye contact, ingestion

SECTION 6— REACTIVITY DATA

Product Stability: Stable. Product will not react violently with water.

Hazardous polymerization will not occur.

Conditions to avoid: Heat, sparks, open flames, water. Avoid contact with strong oxidants, such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, magnesium metal, acetylene gas.

Hazardous decomposition products: None

SECTION 7 – SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Keep people away. Ventilate area. Sweep up. Waste

disposal method: Dispose of in approved landfill or approved incinerator that can accept copper in accordance with local state and federal regulations.

SECTION 8 – SPECIAL PROTECTION INFORMATION

Ventilation: Use with local exhaust. Use explosion-proof equipment. No smoking or open lights.
Protective Gloves: Use chemical resistant gloves to avoid prolonged skin contact.
Respiratory Protection: Use dust mask to limit exposure to dust.
Eye Protection: Use chemical goggles to reduce the chance of eye contact. Do not wear contact lenses.

SECTION 9 – SPECIAL PRECAUTIONS

Handling and Storage: Store upright in closed containers in a cool, well-ventilated area. Do not store near heat, sparks, open flames, or strong oxidants. Do not reuse containers.

Other Precautions: Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing vapor.

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