

**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	3
Moderate	2	REACTIVITY	0
Serious	3	PERSONAL	
Severe	4	PROTECTION	B

MATERIAL SAFETY DATA SHEET

Date of Preparation: November 25, 1997
 Prepared by: Scott D. Fields

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: MD Brass pigment pasted in 15% Isopropyl Alcohol
 Trade Name: MD110-0415, MD150-0415, MD450-0415, MD90-0415, MD650-0415,
 MD6922-0415, MD77-0415, MD98-0415, MD5344-0415, MD550-0415, MD590-0415

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 40 CFR 372:

CAS#	Chemical Name	Per cent by weight by shade		
		Rich	Richpale	Pale
7440-50-8	Copper	59%	69%	77%

This product also contains the following hazardous ingredients:

7440-66-6	Zinc	25%	15%	7%
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CAS#	Chemical Name	TLV	LEL	Vapor Pressure
67-63-0	Isopropyl alcohol	N/A	2 % (vol.)	33 mm Hg

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

SECTION 3 -- PHYSICAL DATA

Boiling point of solvent (°F): 180
Vapor density: Greater than air
Type of odor: Alcohol odor
% VOC: 15

Evaporation rate: Slower than ether
Liquid density: Greater than water
Appearance: Gold colored paste
Weight per Gal.: 27.37 Lbs.

SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: Flammable Solid
DOT: Flammable Solid, Organic, NOS, Copper or Copper alloy paste, UN 1325
Flash Point of solvent (°F): 53 ASTM D-93
Extinguishing Media: Class D Dry chemical extinguishing agent or other suitable extinguishing material such as dry sand. Do not use Class A, B, or C extinguishers or halogenated agents. Do not use water.
Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat.
Special Fire fighting Procedures: Use self-contained breathing apparatus.

SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:
Eyes: Contact may cause irritation.
Skin: Contact or prolonged exposure may cause irritation.
Inhalation: May cause irritation in respiratory tract, lightheadedness or dizziness.
Primary Routes of Entry: Inhalation of solvent vapors and skin contact.
Emergency and First Aid Procedures:
Eye contact: Flush with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, call physician.
Skin contact: Wash with soap and water. Remove and wash contaminated clothing.
Inhalation: Remove affected person to fresh air. Restore normal breathing and administer oxygen if necessary. Call physician.
Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SECTION 6 -- REACTIVITY DATA

Product Stability: stable
Conditions to avoid: Heat, sparks, open flames, water, acids, alkalis, strong oxidizing agents

Hazardous decomposition products: Incomplete combustion of solvent can form carbon monoxide.

Hazardous polymerization: Does not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Remove all sources of ignition. Keep people away. Ventilate area. Using spark-proof tools remove material to leak-proof container for disposal. Absorb excess solvent with dry sand or other absorbent material.

Waste Disposal Method: Dispose in landfill or incinerate in an approved facility that can accept metal-containing organic material in accordance with local, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Ventilation: Use with ventilation sufficient to prevent buildup of dangerous concentrations of solvent vapor in air. Use explosion-proof equipment. No smoking or open lights.

Protective Gloves: Use chemical resistant gloves to avoid prolonged skin contact.

Respiratory Protection: Use organic vapor mask in areas where mechanical ventilation is not sufficient to keep solvent vapor concentration below allowable levels.

Eye Protection: Use chemical goggles to minimize the chance of eye contact..

SECTION 9 -- SPECIAL PRECAUTIONS

Handling and Storage: Do not store above 120 degrees F. Store in closed containers in a cool, well-ventilated area.

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

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