



MD-BOTH INDUSTRIES

BOX 306
NICKERSON ROAD
ASHLAND
MASSACHUSETTS 01721
CUST. SERVICE 800-288-2684
TECH. SERVICE 888-863-2684

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

MATERIAL SAFETY DATA SHEET

Date of Preparation: November 14, 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 (24 hrs)
Chemical Name: Brass paste in 12% petroleum distillate
Trade Name: Supersheen 200; Supersheen 210; Supersheen 227; and Supersheen 228 Gold Heatset Pastes

SECTION 2 -- HAZARDOUS INGREDIENTS

These products contain the following toxic chemical subject to reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40CFR 372:

Per cent by weight by shade:

<u>CAS#</u>	<u>Chemical Name</u>	Rich	Richpale	Pale
7440-50-8	Copper	61%	70%	81%

This product also contains the following hazardous chemicals:

7440-66-6	Zinc	26%	17%	7%
7429-90-5	Aluminum	0.5%	0.5%	0.5%
64742-47-8	Light hydrotreated petroleum distillate	12%	12%	12%

This product also contains:

57-11-4 Stearic acid

All components of these products are listed in the TSCA Inventory and are found on the Canadian DSL.

SECTION 3 – PHYSICAL DATA

Boiling range (°F): 459-530

Vapor density: Heavier than air

Type of odor: Mild petroleum solvent odor

Evaporation rate: <0.01 (Butyl acetate = 1)

Liquid density: Heavier than water

Appearance: Gold colored paste

% VOC: 12%

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: Class IIIB (solvent)

DOT: Not regulated

Flash Point of solvent(°F): Minimum 221 by Pensky Martens Closed Cup.

Extinguishing Media: Foam, carbon dioxide, dry chemical

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat. Closed containers may be cooled with a fine water spray. Incomplete combustion may result in smoke, fumes, or carbon monoxide.

Special Fire fighting Procedures: Use self-contained breathing apparatus, if needed.

SECTION 5 – HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact-- May cause irritation and eye damage.

Skin contact-- May cause irritation or dermatitis.

Inhalation-- Solvent vapors may cause irritation in respiratory tract, headaches, dizziness, and other signs of central nervous system depression. If solvent evaporates, copper dust may cause irritation of mucous membranes and pharynx.

Threshold Limit Value for copper dust is 1 mg/m³.

Ingestion-- Small amounts of solvent aspirated into the lungs during ingestion or vomiting may cause pneumonitis. LD50 of solvent is greater than 5g/kg body weight.

Primary Routes of Entry: Inhalation of solvent vapors; 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: Do not induce vomiting. Call physician immediately.

SECTION 6 – REACTIVITY DATA

Product Stability: Stable

Conditions to avoid: Heat, sparks, open flames, water. Avoid contact with magnesium metal, acetylene gas, strong oxidizing agents.

Hazardous decomposition products: Incomplete combustion of solvent can form smoke, fumes, or carbon monoxide.

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 to scoop up material. Absorb excess solvent with dry sand or other absorbent material.

Waste Disposal Method: Dispose of contaminated material in an approved landfill or an approved incinerator 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 confined or enclosed spaces, if needed.

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

SECTION 9 – SPECIAL PRECAUTIONS

Handling and Storage: Store in closed containers in a cool, dry well-ventilated area.

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

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