

**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	
Severe	4	PROTECTION	B

MATERIAL SAFETY DATA SHEET

Date of Preparation: Oct. 23, 2000

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: Brass flake pasted in 12% alkylbenzene
 Trade Name: MD 5386

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:

<u>CAS#</u>	<u>Chemical Name</u>	
7440-50-8	Copper	61%

This product also contains the following hazardous chemicals:

7440-66-6	Zinc	26%
7429-90-5	Aluminum	0.5%
68515-29-7	Monoalkylbenzene (C12 average)	12%

This product also contains:

57-11-4	Stearic acid	0.5%
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MARKETED BY

**HARWICK STANDARD
 DISTRIBUTION CORPORATION**

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 Akron • Chicago • Northeast • Southern • West Coast

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

Technical Support – Metallic Finished Inks & Black Dispersions: (888) 863-2684 (IL)

Technical Support – Metallic Powders & Pastes: (800) 288-2684 (MA)

SECTION 3 – PHYSICAL DATA

Boiling range (°F): 509

Product density: Heavier than water

Type of odor: Mild petroleum solvent odor

Appearance: Gold colored paste

% VOC: 12%

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability Classification: OSHA Not classified

DOT: Not regulated

Flash Point of solvent (°F, COC): Minimum 266

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 supplied air breathing apparatus, if necessary.

SECTION 5 – HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact-- May cause irritation.

Skin contact-- May cause irritation or dermatitis. Acute dermal LD50 (rabbit) of solvent is greater than 5g/kg.

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 per cubic meter.

Ingestion--May cause nausea. Acute oral LD50 (rat) of solvent is greater than 5g/kg.

Primary Routes of Entry: 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. If skin irritation persists, see a doctor.

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.

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

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 scoop up material in suitable container for disposal. Use dry sand or other absorbent material to absorb excess solvent.

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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