



MD-BOTH INDUSTRIES

BOX 306
NICKERSON ROAD
ASHLAND
MASSACHUSETTS 01721
TEL (508) 881-4100
FAX (508) 881-1656

Hazard Ratings

Minimal.....0
Slight.....1
Moderate.....2
Serious.....3
Severe.....4

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	SD

MATERIAL SAFETY DATA SHEET

Date of Preparation: May 8, 1990
Prepared by: Richard T. Marshall
Revised : MAY 17, 1996.

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 Flaked Metal
Trade Name: MD Tarnish Resistant Gold Bronze Powders
MD-1103, MD-1104, MD-1105, MD-1106, MD-1107, MD-1109, 2540/D2,
2711/D2, 2850/D2, 2561 Constant-HBF
MD-5408, MD-5418, MD-5426, MD-5427, MD-5428
SECTION 2 -- HAZARDOUS INGREDIENTS

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

Chemical Name	CAS #	TSCA #	Per cent by weight by shade:			
			Rich	Richpale	Pale	Copper
Copper	7440-50-8	A546-0888	72.3%	82.2%	90.1%	99.0%
Zinc	7440-66-6	BB23-4379	26.2%	15.9%	8.1%	
Aluminum	7429-90-5	A072-7839	0.5%	1.0%	.8%	

Not Subject To Reporting Under Section 313
Silica 7631-86-9

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

These products comply with current (1994) CONEG regulations.

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
80 S. Seiberling Street - Akron, Ohio 44305
Akron - Chicago - Northeast - Southern - West Coast



SECTION 3 -- PHYSICAL DATA

Boiling Point (deg. F) N/A
Vapor density: N/A
Specific Gravity: 8.5 (H2O=1.0)
Appearance: Gold and copper colored powder
Evaporation rate: N/A
% VOC: 0.0 %

SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: IIIB
DOT: Not regulated
Flash point: N/A LEL: N/A
Extinguishing Media: Carbon Dioxide, Dry Powder, Foam
Unusual Fire And Explosion Hazards: None
Special Firefighting Procedures: Use supplied-air breathing apparatus with full face piece.

SECTION 5 -- HEALTH HAZARD DATA

Threshold Limit Value, Copper : 1Mg/M3 (CFR 1910. Table Z)
Possible Carcinogen : No

Effects of exposure

Inhalation : Irritation of mucous membranes and pharynx.
Ingestion : Nasal perforation, eye damage.
Contact : Irritation, metal taste, dermatitis.

Emergency First aid procedures

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

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

Breathing: 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, Eyes, 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
Hazardous polymerization: Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released:
Keep people away. Ventilate area. Sweep up.
Waste disposal method: Bury in safe approved area 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: Chemical resistant gloves to avoid prolonged skin contact.
Respiratory Protection: If needed, Use supplied air respiratory protection in confined or enclosed spaces.
Eye Protection: Chemical goggles or face shield.
Other Protective Equipment: Chemical apron, gloves.

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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