



MD-BOTH INDUSTRIES

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

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

MATERIAL SAFETY DATA SHEET

Date of Preparation: June 21, 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: Brass pigment/paste in 30% water
Trade Name: Aquador 120/70, Aquador 130/70, Aquador 140/70, Aquador 2210/70, Aquador 2250/70, Aquador 2350/70, Aquador 3050/70, Aquador 4160/70, Aquador 4240/70, Aquador 4250/70

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	Per cent by weight by shade	
		Rich	Pale
7440-50-8	Copper	47-51%	62-66%

This product also contains the following hazardous ingredient:

7440-66-6	Zinc	18-22%	3-7%
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This product also contains the following ingredients:

57-11-4	Water	28-32%	28-32%
	Stearic acid	<1%	<1%

All component ingredients in these products are listed in the TSCA inventory and are found on the Canadian DSL.

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SECTION 3 – PHYSICAL DATA

Boiling point (deg. F): 212
Vapor density: Equal to water
Specific gravity: 2.54 for Richgold shade
 2.56 for Richpalegold shade
 2.57 for Palegold shade
Type of odor: Mild
Appearance: Gold colored paste
Evaporation rate: Slower than ether
% VOC: 0

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: Not classified
 DOT: Not regulated
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 pharynx.
Ingestion: Possible nasal perforation, eye damage.
Skin contact : Possible 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.
Skin: Wash contaminated skin with soap and water. If irritation develops, seek medical attention.
Breathing: Remove to fresh air. If necessary, 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. 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 landfill or incinerator that is approved to accept aqueous metallic waste in accordance with local state and federal regulations.

SECTION 8 – SPECIAL PROTECTION INFORMATION

No smoking or open lights.

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

Respiratory Protection: Not normally needed.

Eye Protection: Chemical goggles may help prevent eye contact.

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 and contact with eyes.

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