

**MD-BOTH INDUSTRIES**

BOX 306
 NICKERSON ROAD
 ASHLAND
 MASSACHUSETTS 01721
 TEL. (508) 881-4100
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Hazard Ratings

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

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

MATERIAL SAFETY DATA SHEET

Date of Preparation: November 16, 1995
 Prepared by: Richard T. Marshall
 Revised Date : June 27, 1996
 Revised By : S.D.C.

SECTION 1

Manufacturer's Name: MD-BOTH Industries
 Street Address: 40 Nickerson Road, Ashland, MA 01721
 Emergency Telephone #: CHEMTREC 800-424-9300 24HRS
 Product Class: Water Based Metallic Silver Ink
 Trade Name: Ready-mixed Water Based Silver Ink
 Product Codes: 2077 SILVER, 2091 Silver, 2177 Silver, 2377 Silver

SECTION 2 -- HAZARDOUS INGREDIENTS

CAS Number	Ingredient	Boiling range (deg. F)
7429-90-5	Aluminum	N/A

None of the ingredients in this product is subject to reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40CFR 372.

SECTION 3 -- PHYSICAL DATA

Boiling point (deg. F): 158.0
 Vapor density: Heavier than air
 Pounds per Gal.: 8.73
 Specific Gravity : 1.05 (H2O = 1)
 Type of odor: Mild acrylic odor
 Appearance: Silver colored liquid
 Evaporation rate: Slower than buytl acetate
 % VOC: 00.0
 % Total Solids : 29.25

All components of this product are listed in the TSCA inventory and are found on the Canadian DSL.
 This product complies with current CONEG Regulations.

SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: II
DOT: Not Regulated

Flash Point of solvent Deg. F : >600°F 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 halogenous agents. Do not use water.

Unusual Fire and Explosion Hazards:

Closed containers may explode when exposed to extreme heat. Water and finely divided aluminum react violently to form hydrogen gas. Aluminum burns at very high temperatures as a mass. If solvent has completely burned out or evaporated, any disturbance that might create a dust cloud can result in explosion. LEL of dry aluminum flake is 30 ounces per 1000 cubic feet.

Special Firefighting Procedures: If solvent has completely burned out and the aluminum has ignited, drum should be carefully isolated and fine dry sand placed around outside of container.
Any disturbance that might create a dust cloud can result in explosion.

SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact-- May cause irritation.

Skin contact-- May cause dryness, irritation or dermatitis.

Inhalation-- Solvent vapors may cause irritation in respiratory tract.

Ingestion-- May cause aspiration of small amounts of material into lungs resulting in possible irritation of mucous membranes or central nervous system damage.

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.

Ingestion: Do not induce vomiting. Call physician.

SECTION 6 -- REACTIVITY DATA

Product Stability: Stable

Conditions to avoid: Extreme heat, sparks, open flames.

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

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Scoop up material and place in suitable container. Absorb excess solvent with sand or dry earth.

Waste Disposal Method: Dispose of contaminated 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.

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

Respiratory Protection: Not normally required if product is used in sufficiently ventilated area.

Eye Protection: Use chemical goggles.

Other Protective Equipment: Use chemical apron.

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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