

**MD-BOTH INDUSTRIES**

BOX 306  
 NICKERSON ROAD  
 ASHLAND  
 MASSACHUSETTS 01721  
 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: August 20, 1996

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 24HRS  
 Product Class: Metallic Offset Ink  
 Trade Name: Ready-mixed Low VOC Silver Sheetfed ink  
 Product Codes: 9339

**SECTION 2 -- HAZARDOUS INGREDIENTS**

<u>CAS Number</u>	<u>Ingredient</u>	<u>Per cent by weight</u>	<u>Boiling range °F</u>	<u>TLV</u>	<u>LEL</u>
64742-96-7	Light petroleum distillate	9.5%	500-565	NA	0.6%
7429-90-5	Aluminum	17.5%	NA	10mg/m <sup>3</sup> (TWA as dust)	~30/1000ft <sup>3</sup>

All components of these products are listed in the TSCA inventory and can be found in the Canadian DSL.

**SECTION 3 -- PHYSICAL DATA**

Boiling range (deg. F): 500-565  
 Vapor density: Heavier than air  
 Type of odor: Mild petroleum solvent odor  
 Evaporation rate: Slower than butyl acetate  
 % VOC: 9.5 (ASTM 2369B)

Liquid density: Heavier than water  
 Appearance: Silver colored paste



## SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA Class IIIB

DOT: Not regulated

Flash Point of solvent(deg. F): Minimum 210 by Pensky Martens Closed Cup.

Extinguishing Media: Foam, carbon dioxide, dry chemical, sand

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat. Aluminum powder may react with water to form hydrogen gas. Aluminum particles will burn at a very high temperature as a mass of material. Dry aluminum particles may explode if dispersed in air. Fire will produce dense black smoke which may contain carbon dioxide, carbon monoxide, or other hazardous combustion products.

Special Fire fighting Procedures: Water is not a suitable extinguishing medium.

## 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.

Hazardous polymerization will not occur.

## **SECTION 7 -- SPILL OR LEAK PROCEDURES**

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

**Waste Disposal Method:** Dispose of material in approved landfill or incinerator that can accept metal containing organic waste 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:** Goggles may help prevent 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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