

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

## MATERIAL SAFETY DATA SHEET

Date of Preparation: February 13, 2004  
Prepared by: Adam Heath

### 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 UV Flexo Ink  
Trade Name: Ready-mixed UV Silver Flexo Ink  
Product Codes: 8341, 8342, 8350, 8351(TFU-813)&(TFU-828)(TFU837)

### SECTION 2 -- HAZARDOUS INGREDIENTS

CAS No.	Chemical	-----% by weight-----			
		8341	8342	8350	8351
7429-90-5	Aluminum	10	8	9.5	9.5
Trade secret	Oligomer	33	29	29.8	29.8
Trade secret	Monomer	45	45	45.0	45.0

This product contains no ingredients subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

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

### SECTION 3 -- PHYSICAL DATA

Vapor Pressure: <1mm Hg (20°C) Flash point: >100°C = 212°F

MARKETED BY  
**HARWICK STANDARD  
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305

Type of odor: Ester like odor Appearance: Aluminum colored paste  
% VOC: 8341: 5%; 8342: 4%

#### SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: DOT: Not regulated

Extinguishing Media: Foam, carbon dioxide, dry chemical, 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 halogenated agents. Do not use water.

Unusual Fire and Explosion Hazards: Water is not a suitable extinguishing medium. Fire will produce dense black smoke which may contain carbon monoxide or other hazardous combustion products. Closed containers may explode if exposed to excessive heat. Aluminum burns at very high temperatures as a mass.

Protection Requirements: Wear self-contained breathing apparatus.

#### SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact: May cause irritation.

Skin contact: May cause irritation or dermatitis. Repeated prolonged contact may cause skin sensitization.

Inhalation: Prolonged exposure to high concentrations of vapor will cause irritation of the respiratory tract.

Ingestion: May result in aspiration of small amounts of material into lungs resulting in possible irritation of gastrointestinal tract or central nervous system damage.

Primary Routes of Entry: Inhalation of chemical 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: Unstable; product may harden when exposed to light, or on standing.

Hazardous polymerization will not occur.

Conditions to avoid: Avoid temperatures above 60°C, <sup>140°F</sup> direct sunlight, strong UV light and heat during storage.

Decomposition Products: Incomplete combustion may result in the formation of carbon dioxide and carbon monoxide. It will also cause fumes and acrid smoke.

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

Procedure When Material is Spilled or Released: Scoop up material and place in suitable container. Clean residues with mineral spirits or similar solvent. Absorb excess solvent with sand or other absorbent material. Waste Disposal Method: Landfill or incinerate in a facility that is approved to accept a metal containing organic mixture is acceptable in accordance with local, state, and federal regulations.

## **SECTION 8 – SPECIAL PROTECTION INFORMATION**

Ventilation: Use in well-ventilated area.

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 to reduce chance of eye contact..

Other Protective Equipment: Wear a chemical apron when handling large quantities.

## **SECTION 9 – SPECIAL PRECAUTIONS**

Handling and Storage: Store in closed containers in a cool, dry, well-ventilated area.

Precautions: Do not ingest. Avoid prolonged contact with skin. Avoid contact with eyes.

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