

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

MATERIAL SAFETY DATA SHEET

Date of Preparation: December 15, 2000

Prepared by: Jay Brooks

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 Ink

Trade Name: **Unipak 8977 Hybrid UV Silver Ink**

SECTION 2 -- HAZARDOUS INGREDIENTS

<u>CAS NOS.</u>	<u>Chemical</u>	<u>% by weight</u>
Trade secret	Acrylate esters	45
7429-90-5	Aluminum	13
64742-46-7	Petroleum Distillate	7

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

Boiling Point (deg. C): Not determined

Vapor Pressure: <1mm Hg (20 deg. C)

Type of odor: Ester like odor

% VOC: 7

Flash point(deg. C): >100

Appearance: Aluminum colored paste

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability Classification: DOT: Not regulated

Flash Point (deg. C): >100

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

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.

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 deg. C, direct sunlight, strong UV light and heat during storage and strong oxidizers or alkalis

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.

Waste Disposal Method: Landfill or incinerate where a metal containing organic mixture is acceptable, and 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.

Other Protective Equipment: Wear protective clothing to prevent skin contact.

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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