

MATERIAL SAFETY DATA SHEET

DATE: December 10, 1997
PREPARED BY: Jay Brooks

SECTION #1

Manufacturer's Name: MD-Both Industries
Street Address: 850 Hawthorne Lane, West Chicago, IL 60185
Emergency Telephone #: CHEMTREC 1-800-424-9300 24HRS
Product Class: Metallic Offset Ink
Trade Name: Unipak Low V.O.C. Varnishable Sheetfed Ink
Product Codes: 9607

SECTION #2 HAZARDOUS INGREDIENTS

<u>CAS Number</u>	<u>Ingredient</u>	<u>Boiling Range</u>	<u>%</u>	<u>TLV</u>	<u>LEL</u>
64741-91-9	Light Petroleum distillate	500-565	9.5	NA	0.6%
7429-90-5	Aluminum	NA	17.5	10mg/m3 (TWA as dust)	30 oz/1000ft3

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	Liquid density: Heavier than water
Vapor density: Heavier than air	Appearance: Silver colored paste
Type of odor: Mild petroleum solvent odor	
Evaporation rate: Slower than butyl acetate	
%VOC: 28(ASTM 2369B) 9.5%	

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.

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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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Minimal	0	Health	1
Slight	1	Flammability	1
Moderate	2	Reactivity	0
Serious	3	Personal Protection	B
Severe	4		

MARKETED BY

**HARWICK STANDARD
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