

MATERIAL SAFETY DATA SHEET

DATE: 2-99
PREPARED BY: Jay E. 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 Sheetfed Silver
Product Codes: 9577, 9312, 9977, 9310, 9277, 9306, 9317, 9336, 9477, 9777, 9877

SECTION #2 HAZARDOUS INGREDIENTS

CAS Number	Ingredient	Boiling Range F	TLV	LEL
64741-91-9	Light Petroleum distillate	534-592	NA	0.6%
7429-90-5	Aluminum	NA	10mg/m3 (TWA as dust)	30 oz/1000R3

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): 534-592	Pounds/gallon 8.8 - 9.0, Density (gm/cc) 1.05 - 1.07
Vapor density: Heavier than air	Liquid density: Heavier than water
Type of odor: Mild petroleum solvent odor	Appearance: Silver colored paste
Evaporation rate: Slower than butyl acetate	
%VOC: Various see table below (ASTM 2369B)	

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

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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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Product Code	%Aluminum CAS No. 7429-90-5	%VOC
9277	26	32.1
9306	23	32.9
9310	23	32.9
9317	20	35.5
9336	18	11
9477	26	6
9777	26	32.1
9877	26	32.01
9977	26	28
9577	21	28
9312	21	28

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

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