

MATERIAL SAFETY DATA SHEET

DATE: September 1999; revised July , 2003

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SECTION #1

Manufacturer's Name: MD-Both Industries

Street Address: 850 Hawthorne Lane, West Chicago, IL 60185

Emergency Telephone Number #: CHEMTREC 1-800-424-9300 24HRS

Product Class: Metallic Offset Vehicle

Trade Names: UV Two Part Varnish (Gold Shades)

Product Codes: 9050, 9051, 9052, 9053, 9054, 9055, 9056, TFU 440

SECTION #2 HAZARDOUS INGREDIENTS

This product contains the following toxic chemicals subject to reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40CFR 372:

Name	CAS#	LEL	% by weight
Acrylate Oligomers *	N/A	N/A	68
Epoxy modified Fatty Acid			20
Photo Initiator			7.5

* Some of the products listed above are Acrylate Esters, and are potentially irritating to the eyes, skin and respiratory system. Acrylates can cause skin sensitisation with some individuals.

All materials used in these inks are in the TSCA and DSL registries

SECTION #3 PHYSICAL DATA

Boiling range (deg.C): >100

Vapor density: Heavier than air

Odor: Mild acrylic odor

Evaporation rate: Slower than butyl acetate

Liquid density: Heavier than water.

Appearance: Clear Liquid

%VOC: 0%

SECTION #4 FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: OSHA Class III B DOT: Not regulated

Flash point of solvent (deg. F): Not Applicable

LEL of solvent: Not Applicable

Extinguishing Media: Carbon Dioxide, Dry Powder, Foam, Sand.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat.

Special Firefighting Procedures: Closed containers may be kept cool by a water spray. However, water is not a suitable extinguishing medium.

SECTION #5 HEALTH HAZARD DATA

Possible Carcinogen: No

Effects of overexposure:

Eye contact: May cause irritation

Skin contact: May cause dryness, irritation, or dermatitis

Ingestion: Small amounts aspirated into the lungs may cause irritation of mucous membranes and/or central nervous system damage.

Inhalation: Not normally considered to be an industrial hazard.

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Primary routes of entry: Inhalation of chemical vapors; skin contact.

Emergency and first aid procedures:

Eyes: Flush with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, call physician.

Skin: Wash with soap and water. Remove and wash contaminated clothing.

Breathing: Remove to fresh air. Restore normal breathing.

Ingestion: Do not induce vomiting. Call physician.

SECTION #6 REACTIVITY DATA

Product Stability: Product will not react violently with water. Product unstable at high temperatures (> 60deg. C), in direct sunlight or strong Ultra Violet light sources.

Conditions to avoid: Extreme heat, sparks, open flames, direct sunlight, strong UV light sources.

Hazardous polymerization: Hazardous exothermic polymerization may occur when heated or exposed to direct sunlight.

Hazardous decomposition products: Burning material may produce Carbon Monoxide and irritating acrid smoke.

SECTION #7 SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Scoop up material and place in suitable container.

Waste disposal method: Landfill in approved area or incinerate in approved incinerator in accordance with local, state, and federal regulations.

SECTION #8 SPECIAL PROTECTION INFORMATION

Ventilation: Use ventilation sufficient to prevent buildup irritating concentrations of vapors.

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: Use chemical apron when handling large quantities of material.

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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Please note that if you repackage or otherwise redistribute this product to industrial customers, a notice similar to this one should be sent to those customers. Any copies or redistribution of this MSDS must include this information.

HAZARD RATINGS		EXPOSURE	
Minimal	0	HEALTH	2
Slight	1	FLAMMABILITY	1
Moderate	2	REACTIVITY	1
Serious	3	PERSONAL PROTECTION	B or SG
Severe	4		