

MATERIAL SAFETY DATA SHEET

Non-Textile Post Treatment

Section 1 – Product Information

Date of Preparation: December 1, 2006

Manufacturer/Distributor

U.S. Graphic Arts, Inc., dba U.S. Screen Print & Inkjet Technology
1901 E. 5th Street, Tempe, Arizona USA
Phone Numbers: 1-480-929-0640 MST 8:30am-5:00pm M-F USA

Product, Safety, Health and Environmental Information Transport Emergency Medical Emergency

CHEMTREC: 1-800-424-9300 (24 hours, USA) International calls 1-703-527-3887 (collect).

Section II – Hazardous Ingredients

Hazardous Ingredient	% by Weight	CAS No.	Vapor Press.	ACGIH TLV	OSHA PEL	LD50 Oral	LD50 Derm.	LC50 Inhal.	LEL @ 25 C
Propane	17	74-98-6	5585.2	1000ppm	n.av.	n.av.	n.av.	n.av.	2.2
Acetone	44.2	67-64-1	185.0	750ppm	750ppm	n.av.	n.av.	n.av.	2.6
Propylene Glycol	24	107-98-2	8.4	100 ppm	n.av.	5660	13000	10000	n.av.
Mono Methyl Ether									
Methyl Ethyl Ketone	6.1	78-93-3	77.5	200ppm	200ppm	2737	13000	9610	1.1
Ethyl 3 Ethoxypropionate	.7	763-69-9	1.11	N/E	N/E	n.av.	n.av.	n.av.	n.av.

Section III – Hazards Identification

Emergency Overview:

Harmful if swallowed.
Harmful if inhaled. Causes eye irritation. Causes skin irritation.
Vapors irritating to eyes and respiratory tract.
Extremely flammable liquid and vapor.
Vapors may cause flash fire or explosion.
Extremely flammable aerosol.
Contents under pressure.

Potential Health Effects:

EYE: May cause severe eye irritation.
SKIN: May cause skin irritation.
Prolonged contact with the skin can cause chemical burns.
May be absorbed through the skin.
Material may aggravate an existing dermatitis.
INHALATION: Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation.
Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death.
Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.
INGESTION: Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis. May cause nausea, vomiting and diarrhea.
CHRONIC EFFECTS: Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals: kidney damage, eye damage.
Reports have associated repeated and prolonged overexposure to solvent with permanent brain and nervous system damage.
Cancer Risks: No ingredients in these products are known to NTP, IARC, ACGIH or OSHA to be Carcinogenic.

Section IV - First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. **Skin Contact:** Wash thoroughly with soap and water and seek medical attention. Remove contaminated clothing, launder

contaminated clothing before reuse. **Inhalation:** For inhalation overexposure, move person to fresh air. If breathing stop, apply artificial respiration and seek medical attention

Ingestion: Since this product may contain materials which can cause lung damage if aspirated into the lungs the decision whether to induce vomiting must be made by a physician after careful consideration of all materials ingested.

Emergency and First Aid Procedures: In all cases if symptoms persist, seek medical attention.

Section V – Fire Fighting Measures

Flash Point : Propellant <0°F

Lower Explosive Limit: 1

Higher Explosive Limit: 12.8

Extinguishing Media: Use Dry Chemical, Carbon Dioxide or Chemical Foam.

Fire Fighting Procedures and Equipment: Contents under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120 °F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air may travel a long distance to a source of ignition and flash back

Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used. Water spray should not be used except to keep down vapors or cool closed containers to prevent build up of pressure. If water is used fog nozzles are preferred.

Decomposition: Thermal decomposition may product carbon dioxide, carbon monoxide, and unidentifiable organic materials.

Polymerization: No hazardous polymerization will occur under normal conditions.

Stability: The product is stable under normal storage conditions

Section VI – Accidental Release Measures

CLEAN UP AND CONTAINMENT: (cont'd next page)
Remove all sources of ignition. Avoid heat, sparks, flames and anything, which can cause fire.
Ventilate area of spill and adjacent low-lying areas.
Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.

Section VII – Handling and Storage

HANDLING: Wash hand thoroughly after handling.
STORAGE: Store in a cool dry area with ventilation suitable for storing materials shown in Section II. Keep away from heat, sparks and open flame. Store in a cool place away from direct sunlight or any source of ignition. So not store at temperatures above 120°F.

Section VII – Exposure Controls, Personal Protection

ENGINEERING CONTROLS:
Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH TLV limit.

RESPIRATORY PROTECTION:
If work place exposure limits are exceeded, for any component (see Section II for hazardous components and exposure limits), a NIOSH/OSHA, approved respirator suitable for components listed is recommended.

SKIN PROTECTION:
Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

EYE PROTECTION:
Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

OTHER PROTECTIVE EQUIPMENT:
Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:
Wash hands before eating or smoking. Smoke in designated areas only.

Section IX – Physical and Chemical Properties

Product Weight	7.5 lb/gal.
Specific Gravity	.90
Boiling Point	0 – 342° F
Volatile Wt.	93.6% less Federally exempt solvents
VOC (Calculated LB/GAL):	2.7
VOC (Calculated GM/L):	323 VOC
Percent by Volume:	95.6
VOC	2.7 lbs. Gal.
VOC without Acetone	41%
Evaporation Rate	Faster than Ether
Vapor Density	Heavier than Air
HMIS	240

Section X – Stability and Reactivity Data

Conditions to avoid: Avoid contact with heat, sparks, and open flame. Product may explode if heated. Keep cool, avoid exposure to heat.

Incompatibility: Strong oxidizing agents.

Section XI – Toxicological Information

No specific information is available. Please refer to Section III for available information on potential health effects.

Section XII – Ecological Information

No specific ecological information is available for this product.

Section XIII – Disposal Considerations

WASTE DISPOSAL: Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

Section XIV – Transportation Information

DOT:
Proper shipping name: Consumer Commodity
Hazard Class: ORM-D
Hazardous Label: ORM-D in bordered box

DOMESTIC AIR SHIPMENT:
Proper shipping name: Consumer Commodity
Hazard Class: ORM-D
Hazardous Label: ORM-D-AIR in bordered box

IMO / IMDG (Ocean) Shipments:
Proper Shipping Name: Aerosols in Limited Qty.
Hazard Class or Division: 2.0
UN Identification Number: UN1950
Packaging Group: none
Hazard Label: none
IMDG Page (English): 2102
Marine Pollutant: No

ICAO / IATA (Aircraft) Shipments:
Proper Shipping Name: Consumer Commodity
Hazard Class or Division: 9
UN Identification Number: ID8000
Packaging Group: none
Hazard Label: Class 9
Packaging Instructions Passenger Aircraft (IATA English translation): 910
Packaging Instructions Cargo Aircraft (IATA English translation): 910

Section XV – Regulatory Information SARA

313 Information: This product contains Methyl Ethyl Ketone which is a substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Federal Regulations:
TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are listed on the TSCA Section 8 Inventory.

STATE REGULATIONS:
INTERNATIONAL REGULATIONS:

CANADA: The chemical substances in this product are listed on the Canadian Domestic Substances List.

Other Information

U. S. Screen Print & Inkjet Technology believes that the data contained herein is accurate and derived from qualified sources. The data is not to be taken as a warranty or representation for which U.S. Screen assumes legal responsibility. It is offered solely for your consideration, investigation, and verification. Any use of this data and information should be determined by the end user in accordance with Federal, State and local laws and regulations.