

**MATERIAL SAFETY DATA SHEET**

FOR COATINGS RESINS AND RELATED MATERIALS

PRODUCT NAME: Poly-Tone  
 PRODUCT CODE: Clear and Colors  
 Class 3, Flammable Liquid, UN1263, PGII

HMS CODES: H F R P  
 PRODUCT CLASS: 3 (Vinyl Coatings)

**SECTION I - MANUFACTURER IDENTIFICATION**

PREPARED BY: Poly-Fiber, Inc.  
 P.O. Box 3129, Riverside, CA 92518  
 STREET ADDRESS: 4343 Fort Drive, Riverside, CA 92508

DATE OF PREP: 4/1/03  
 NAME OF PREPARER: Conrad Angenent

EMERGENCY TELEPHONE NO. - Chemtrec (800) 424-9300, Int'l (703) 527-3887 (International Call Collect)  
 INFORMATION TELEPHONE NO. - (909) 684-4280 (909) 360-6792 (800) 809-7144

**SECTION II - HAZARDOUS INGREDIENTS/ SARA III INFORMATION**

REPORTABLE COMPONENTS	OCCUPATIONAL	WT. %	VAPOR	TOXICITY DATA
	EXPOSURE LIMITS		PRESSURE	
Toluene* (CAS# 108-88-3)**	50 PPM	40.73	22mmHg @ 20°C	Mod. Ingest. Inhal. Skin
Methyl Ethyl Ketone* (CAS# 78-93-3)	200 PPM	8.90	70mmHg @ 20°C	Narcotic by Inhalation
Methyl Isobutyl Ketone* (CAS#108-10-1)	50 PPM	14.75	15mmHg @ 20°C	High. Inhal. Ingestion.
Methyl n-Amyl Ketone* (CAS#110-43-0)	50 PPM	17.97	2.14mmHg @20°C	Mod. Inhal. Skin Irrit.
Ethyl Glyc. Mono But. Ether* (CAS#11-78-2)	50 PPM	3.39	.76mmHg @20°C	Moderate
Propylene Oxide* (CAS#75-56-8)**	100 PPM	.37	445mmHg @ 20°C	Mod. Irritation
n-Butanol* (CAS#71-36-3)**	100 PPM	.34	9mmHg @ 20°C	Mod. Eye Irrit. Skin

\*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Act of 1986 and of 40 CFR 372.

\*\*PROP 65 WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**SECTION III - PHYSICAL DATA**

BOILING RANGE: 175-345° F  
 VAPOR DENSITY: Heavier than air  
 COATING V.O.C.: 6.29 lbs/gal 754 gr/l.  
 APPEARANCE AND ODOR: Clear and several Colors. Ketone odor.

SPECIFIC GRAVITY (H<sub>2</sub>O= 1): .87

EVAPORATION RATE: Slower than ether

SOLUBILITY IN WATER: Insoluble

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 45° F  
 FLAMMABLE LIMITS IN AIR BY VOLUME: METHOD USED: TCC  
 LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: CO<sub>2</sub>, Dry Chemical, Water Fog

SPECIAL FIREFIGHTING PROCEDURES: Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

**SECTION V - HEALTH HAZARD DATA**

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Breathing vapor may irritate the nose and throat. Central nervous system effects including excitation, euphoria, contracted eye pupil, dizziness, blurred vision, fatigue, nausea, headache, loss of consciousness, respiratory arrest and sudden death could occur on long term and/or high concentration exposures to vapors.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact with the skin or eyes may cause irritation. Prolonged or repeated contact can cause moderate irritation, defatting and/or dermatitis. Skin and eyes should be flushed with water for at least 15 minutes.

INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

HEALTH HAZARDS (ACUTE AND CHRONIC): Overexposure may cause anesthesia, headache, nausea or dizziness.

Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products even though they are water reducible.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

**EMERGENCY AND FIRST AID PROCEDURES:** Remove victim to fresh air and restore breathing if required. Call a physician if required. If breathing stops, give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

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### **SECTION VI - REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat and fires, ignition sources.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings. May react strongly with acids while in liquid form.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Hydrogen chloride and very small amounts of phosgene and chlorine.

**HAZARDOUS POLYMERIZATION:** N/A

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### **SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Flush with water to a tank or to an opened well-ventilated area. Absorb or remove to container and dispose of properly in conformity with local government restrictions.

**WASTE DISPOSAL METHOD:** Incinerate if permitted or bury in a sanitary landfill. Consult a disposal expert. Dispose of in accordance with all local, state and federal laws. For highway or road spill, contact ChemTrec at (800) 424-9300.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in tightly closed containers in cool, dry isolated well-ventilated area away from heat or flame, sources of ignition and incompatible materials. Transfer small amounts left over into small containers. Ground lines, containers and other equipment during product transfer. Do not store in glass containers due to the danger of breaking. Do not pour into containers that held highly flammable materials; static electricity may result. Use good hygiene practices. Wash hands before eating, drinking, etc.

**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Keep containers tightly closed. Replace all bungs tightly before shipping or storing. Avoid contact with amines.

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### **SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910.134, use air-purifying and particle-collecting respirator.

**VENTILATION:** Use explosion-proof ventilation as required to control particulate and any minor vapor concentrations. A spray booth is recommended.

**PROTECTIVE GLOVES:** Use rubber or neoprene gloves. Use gloves that will resist the product.

**EYE PROTECTION:** Goggles or face shield.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Avoid contact with eyes. Wear eye protection devices. If required, wear chemical resistant gloves and other clothing.

**WORK/HYGIENIC PRACTICES:** Wash hands with soap and water before eating. Dispose of contaminated clothing as soon as possible.

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### **SECTION IX - DISCLAIMER**

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DEPT. OF TRANSPORTATION SHIPPING INFO

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EMERGENCY RESPONSE GUIDE PAGE

INTERNATIONAL OR BIA FREIGHT

PROPER SHIPPING NAME

HAZARD CLASS

ID NUMBER

PACKAGING GROUP

HAZARD LABEL(S)

EMERGENCY RESPONSE GUIDE PAGE

DISCLAIMER SECTION

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SECTION 7. SPIRIT OR LEAK PROCEDURES

NEUTRALIZE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA. Wipe up or absorb on suitable material and shovel up into all personal contact.

WASTE DISPOSAL METHOD: WASTE DISPOSAL METHOD: WASTE DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, FEDERAL AND FEDERAL REGULATIONS. DO NOT INCINERATE EXPOSED CONTAINERS.

SECTION 8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: UNLESS AIR MONITORING DEMONSTRATES VAPOR/HAZARD LEVELS ABOVE APPLICABLE LIMITS, NO RESPIRATOR IS REQUIRED. IF RESPIRATOR IS REQUIRED, THE APPROPRIATE, PROPERLY FITTED RESPIRATOR INTOXICATION APPROXIMATE SHOULD BE WORN DURING APPLICATION. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION: REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PRINT APPLICATION.

EYE PROTECTION: FOR SPRAY APPLICATION USE CHEMICAL GOGGLES AS A MINIMUM. OTHERWISE, USE SAFETY GLASSES

WITH SIDE SHIELDS AS A MINIMUM. OTHERWISE, USE SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

SECTION 9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. 1.49 RED DOT BASED ON PRODUCT FLASH POINT AND VAPOR PRESSURE. SUITABLE SPRINGS SHOULD BE USED TO MAINTAIN AIR PRESSURE. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR STORAGE. STORAGE IN UNLACQUERED METAL CONTAINERS MAY CAUSE CORROSION. STORAGE IN UNLACQUERED METAL CONTAINERS MAY CAUSE CORROSION. STORAGE IN UNLACQUERED METAL CONTAINERS MAY CAUSE CORROSION. STORAGE IN UNLACQUERED METAL CONTAINERS MAY CAUSE CORROSION.

ABBREVIATIONS USED:

OSHA- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC- INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; A1- LOWER EXPLOSIVE LIMITS;  
BEL- UPPER EXPLOSIVE LIMITS; MS- MILLISECOND; M- METERS; CM- MILLIMETERS;  
PPH- PERCENT HOURS; PER- PERCENT; M- METERS; CM- MILLIMETERS;  
ADMINISTRATIVE: MISC- ADDITIONAL INFO; OCCUPATIONAL SAFETY AND HEALTH;  
MMS- MATERIAL SAFETY DATA SHEET; MIP- NATIONAL TOXICOLOGY PROGRAM;  
HR- HOUR; M- METERS; CM- MILLIMETERS; M- METERS; CM- MILLIMETERS;  
M- METERS; CM- MILLIMETERS; M- METERS; CM- MILLIMETERS;  
M- METERS; CM- MILLIMETERS; M- METERS; CM- MILLIMETERS;  
M- METERS; CM- MILLIMETERS; M- METERS; CM- MILLIMETERS;

PREPARED BY SECTION

REGULATORY AFFAIRS DEPT.

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DEPT. OF TRANSPORTATION SHIPPING INFO

DOMESTIC

PROPER SHIPPING NAME

HAZARD CLASS

ID NUMBER