

MATERIAL SAFETY DATA SHEET

FOR COATINGS RESINS AND RELATED MATERIALS

PRODUCT NAME: Epoxy Reducer
 PRODUCT CODE: E-500
 Class 3, Flammable Liquid, UN1283, PGII

HMS CODES: H F R P
 PRODUCT CLASS: 3 (Epoxy Reducers)

SECTION I - MANUFACTURER IDENTIFICATION

PREPARED BY: Poly-Fiber, Inc.
 P.O. Box 3129, Riverside, CA 92519
 STREET ADDRESS: 4343 Fort Drive, Riverside, CA 92509

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) 864-4280 (909) 360-6792 (909) 809-7144

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	WT. %	VAPOR PRESSURE	TOXICITY DATA
Toluene* (CAS# 108-88-3)**	50 PPM	31.85	22mmHg @20°C	Mod. Ingest. Inhal. skin
Methyl Ethyl Ketone* (CAS# 78-93-3)	200 PPM	9.82	70mmHg @20°C	Narcotic by Inhalation
Methyl Isobutylketone* (CAS# 108-10-1)	50 PPM	19.53	15mmHg @20°C	High Inhalation.
Methyl Amyl Alcohol* (CAS# 108-11-2)	25 PPM	18.77	2.2mmHg @20°C	Ingest. Inhal. Skin abs.
Isopropyl Alcohol* (CAS# 67-63-0)	400 PPM	19.03	32.5mmHg @20°C	Mod. Ingest. Inhal.

*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Acts 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: 175-270° F
 VAPOR DENSITY: Heavier than air
 COATING V.O.C.: 6.63 lb/gal 618 gr/l
 APPEARANCE AND ODOR: Clear liquid, Ketone odor.

SPECIFIC GRAVITY (H₂O= 1): .82
 EVAPORATION RATE: Slower than ether
 SOLUBILITY IN WATER: Insoluble

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 20° F
 FLAMMABLE LIMITS IN AIR BY VOLUME:

METHOD USED: TCC
 LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: CO₂, 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 NIOS-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 of long term and/or high concentration exposures 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.

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 strong with acids while in liquid form.

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

HAZARDOUS POLYMERIZATION: N/A

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 Chemtrac 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.

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.

SECTION IX- DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.