

# SAFETY DATA SHEET

## Epoxy Reducer

### 1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME:	<b>Epoxy Reducer</b>
PRODUCT NUMBER:	E-500
RECOMMENDED USE:	Aircraft coatings and cleaners
RESTRICTIONS ON USE:	Not applicable
SUPPLIER:	Poly-Fiber, Inc. P.O. Box 3129, Riverside, CA 92519, USA 4343 Fort Drive, Riverside, CA 92509, USA (951) 684-4280 (951) 809-7144 (760) 782-1947
EMERGENCY TELEPHONE:	(800) 424-9300 (Chemtrec- US) (703) 527-3887 (International – Call Collect)

### 2 - HAZARDS IDENTIFICATION

#### GHS Hazard Category

Flammable liquid- Category 2  
Eye Irritation - Category 2A  
Skin Irritation- Category 2  
Respiratory Irritation- Category 3  
Specific target organ toxicity (single exposure) – Category 3, Central Nervous System H336

#### Label Elements

##### Pictograms



##### Signal Word

**⚠️ WARNING:** This material contains no chemical known to the State of California to cause cancer or reproductive harm. [www.Prop65Warnings.ca.gov](http://www.Prop65Warnings.ca.gov)

#### DANGER

##### Hazard Statements

Highly flammable. Irritating to eyes and skin  
May cause drowsiness or dizziness  
Harmful: danger of serious damage to health by prolonged exposure through inhalation  
Possible risk of harm to the unborn child  
Harmful: may cause lung damage if swallowed

##### Precautionary Statements

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe the mist/vapors/spray. Use only outdoors or in a well-ventilated area. Vapors may cause drowsiness and dizziness.

##### Response

**INHALATION:**

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

**INGESTION:**

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

**SKIN CONTACT:**

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

**EYES CONTACT:**

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**Storage**

Store in a well-ventilated Place. Keep container tightly closed. Keep cool. Store in a locked cabinet, cage or room.

**Disposal**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

CLASSIFICATION (1999/45) XI, XN, F, R11, R36, R41, R66, R67

**3 – COMPOSITION /INFORMATION ON INGREDIENTS**

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
Methyl Ethyl Ketone	201-159-0	78-93-3	30-40%	XI, F, R11, R36, R66, R67
1-Propanol	200-746-9	71-23-8	30-40%	XI, F, R11, R41, R67, S16, S24, S26, S39, S7
Glycol Ether EB	203-905-0	111-76-2	30-40%	XN, R20/21/22, R36/38, S36/37, S46

The Full Text for all R-Phrases and S-Phrases is displayed in Section 15

**COMPOSITION COMMENTS**

The data shown are in accordance with the latest EC Directives

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**4- FIRST AID MEASURES****INHALATION:**

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

**INGESTION:**

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

**SKIN CONTACT:**

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

**EYES CONTACT:**

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**5- FIRE FIGHTING PROCEDURES****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.

**6-ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:**

Wear protective clothing as described in Section 8.

**ENVIRONMENTAL PRECAUTIONS:**

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

**SPILL CLEANUP METHODS:**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

**7-HANDLING AND STORAGE**

**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level.

**STORAGE PRECAUTIONS:**

FLAMMABLE/Combustible. Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120°F.

**STORAGE CLASS:**

FLAMMABLE liquid storage.

**8-EXPOSURE CONTROL/PERSONAL PROTECTION**

Name	Workplace Exposure Limits	Remarks
Methyl Ethyl Ketone	ACGIH: 200ppm TWA; 300ppm STEL NIOSH: 200ppm TWA; 590 mg/m <sup>3</sup> TWA; 3000ppm IDLH OSHA –Final PELs: 200ppm TWA; 590 mg/m <sup>3</sup> TWA	Consult local authorities for acceptable exposure limits.
1-Propanol	ACGIH: 100ppm TWA NIOSH: 200 ppm TWA; 500 mg/m <sup>3</sup> TWA 800 ppm IDLH OSHA-Final PELs: 200 ppm TWA; 500 mg/m <sup>3</sup> TWA	Same As Above
Glycol Ether EB	ACGIH: 20ppm TWA NIOSH: 5 ppm TWA; 24 mg/m <sup>3</sup> TWA 700 ppm IDLH OSHA-Final PELs: 50 ppm TWA; 240 mg/m <sup>3</sup> TWA	Same As Above

**NOTICE:**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.



**PROTECTIVE EQUIPMENTS:**

**PROCESS CONDITIONS:**

**ENGINEERING MEASURES:**

**RESPIRATORY EQUIPMENT:**

**HANDPROTECTION:**

**EYE PROTECTION:**

**OTHER PROTECTION:**

**HYGIENE MEASURES:**

Provide eyewash station.

Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Wear respirator with appropriate cartridge for organic solvents and chemicals.

Wear approved gloves such as Neoprene, Nitrile or Rubber types.

Wear splash-proof goggles.

Wear appropriate clothing to prevent any possible skin contact.

DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

**9- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Liquid
COLOR:	Clear
ODOR:	Ketone odor
BOILING POINT:	175-270° F
RELATIVE DENSITY:	0.96 g/mL
VAPOR DENSITY:	Heavier than air
FLASH POINT:	20° F (-7° C) (Closed Cup)
FLAMMABILITY LIMITS:	N/D (Lower%)
SOLUBILITY VALUE (g/100g H <sub>2</sub> O @ 20°C):	Insoluble
VOLATILE ORGANIC COMPOUND (VOC):	819 g/L

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#### 10- STABILITY AND REACTIVITY

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##### 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

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#### 11-TOXICOLOGICAL INFORMATION

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**Methyl Ethyl Ketone (CAS# 78-93-3):** LD50/rabbit/skin/draize test = 500mg/24H Moderate; LC50/mouse/inhalation = 32mg/m<sup>3</sup>/4H; Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

**1-Propanol (CAS#71-23-8):** LD50/rat/oral= 1.87-6.5g/kg; LD50/rabbit/dermal=4.0g/kg; LC50/rat/inhalation/1 hr >20000 ppm;Skin Irritation/rabbit=slight; Eye Irritation/rabbit=moderate

**Glycol Ether EB (CAS#111-76-2):** Carcinogenicity: Not listed by NTP, IARC or OSHA

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#### 12-ECOLOGICAL INFORMATION

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**Methyl Ethyl Ketone (CAS#78-93-3):** Ecotoxicity : Fish/Fathead Minnow/LC50 = 3220mg/l; Environmental : Substance evaporates in water with T1/2=3D (rivers) to 12D (lakes); Physical : Substance photodegrades in air with T1/2=2.3 days.

**1-Propanol (CAS#71-23-8):** Oxygen Demand Data: BOD-5=1.43 – 1.6 g/g, BOD-20 <2.0g/g; COD (Chemical Oxygen Demand)=1.4 g/g; ThBOD: 1.8 g/g Acute Aquatic Effects Data: 96 h LC-50 (fathead minnow): > 1000 ul/L; 24 h LC-50 (goldfish): > 5000 mg/l ; 48 h LC-50 (golden orfe): 4320 - 4560 mg/l; 96 h LC-50 (sideswimmer): > 1000 ul/L NOEC: 1000 ul/L; 96 h LC-50 (daphnid): > 1000 ul/L NOEC: 1000 ul/L; 96 h LC-50 (snail): > 1000 ul/L NOEC: 1000 ul/L

**Glycol Ether EB (CAS#111-76-2):** Ecotoxicity: Not expected to be toxic to aquatic life. Environmental: substance evaporates and biodegrades when released to soil, water and air.

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#### 13 – DISPOSAL CONSIDERATIONS

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Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

**I certify that all chemical substances in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.**

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14 – TRANSPORT INFORMATION

DOT / ADR / RID Classification:

DOT PROPER SHIPPING NAME: PAINT RELATED MATERIAL

PRIMARY HAZARD CLASS/DIVISION: 3

UN/UA NUMBER: UN1263

PACKING GROUP: II

IMDG and ADN Classification:

IMDG PROPER SHIPPING NAME: PAINT RELATED MATERIAL

IMDG UN CLASS: 3

IMDG UN NUMBER: 1263

IMDG PACKING GROUP: II

IMDG LABEL: FLAMMABLE LIQUID

IMDG VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.



GHS LABEL:

**DANGER - HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS.**

Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For industrial use only.

**Contains:** Methyl Ethyl Ketone (30-40%), 1-Propanol (30-40%), and Glycol Ether EB (30-40%). This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

**Hazards:** Highly flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Precautionary Statement(s):** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

**First Aid:** Inhalation - Move person to fresh air. If symptoms occur obtain medical attention. Skin Contact - Wash affected skin with soap and water. If symptoms occur obtain medical attention. Eye Contact - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Get immediate medical attention. Ingestion - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention.

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15-REGULATORY INFORMATION

**⚠️WARNING:** This material contains no chemical known to the State of California to cause cancer or reproductive harm. [www.Prop65Warnings.ca.gov](http://www.Prop65Warnings.ca.gov)

**Hazards:** Highly flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Precautionary Statement(s):** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

## CODES:



Xi and XN



F

Xi=Irritant  
XN=Harmful  
F=Highly Flammable

## R-Phrases:

R11: Highly Flammable  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
R36: Irritating to eyes  
R36/38: Irritating to eyes and skin  
R41: Risk of serious damage to eyes  
R66: Repeated exposure may cause skin dryness or cracking  
R67: Vapors may cause drowsiness and dizziness

## S-Phrases:

S7: Keep container tightly closed  
S16: Keep away from sources of ignition - No smoking  
S24: Avoid contact with skin  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37: Wear suitable protective clothing and gloves  
S39: Wear eye/face protection  
S46: If swallowed, seek medical advice immediately and show this container or label

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**16- 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.