

**SECTION 1: IDENTIFICATION****Product Identifier****Product Name:** EJ-500 Part B Hardener**Product Form:** Mixture**Intended Use of the Product**

Epoxy cement. To be used with EJ-500 Part A Resin.

**Name, Address, and Telephone of the Responsible Party**

**Company/Manufacturer:** Eljen Technology  
**Address:** 1300 W. Broadway  
SWEETWATER, TEXAS 79556  
USA  
**Phone:** (325) 235-4276  
**Fax:** (325) 235-0701  
**Website:** [www.eljentechnology.com](http://www.eljentechnology.com)

**Emergency Telephone Number**

**Emergency Number:** CHEMTREC (24 hours)  
(800) 424-9300

**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US):**

Skin corrosion, Category 1B H314  
Eye damage, Category 1 H318  
Skin sensitization, Category 1 H317

**Label Elements****GHS-US Labeling:****Hazard Pictograms (GHS-US):****Signal Word (GHS-US):** Danger**Hazard Statements (GHS-US):**

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

**Precautionary Statements (GHS-US):**

P261 Do not breathe vapors, mists, or spray.  
P263 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing, eye protection, and face protection.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash with plenty of water.

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P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or doctor.
P321	Specific treatment (see section 4 on SDS).
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with all local, regional, national, provincial, territorial and international regulations.

### Hazards Not Otherwise Classified

None identified.

### Components With Unknown Acute Toxicity (GHS-US)

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

#### **Hazardous Components:**

Any hazardous components not listed below are not present in quantities requiring disclosure.

Name	Product Identifier	Concentration (%)*
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	CAS# 4246-51-9	60 – 100

\*Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur, go into open air and ventilate suspected area. Call a poison center or a doctor if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Immediately call a poison center or a doctor.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a poison center or a doctor.

**Ingestion:** Dilute with large quantities of water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Inhalation:** Mists, vapors or liquids may cause severe irritation or burns.

**Skin Contact:** Causes skin burns. May cause allergic skin reaction.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** May cause irritation or burns of mouth, throat and stomach, with nausea, abdominal pain, and possible collapse.

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**Chronic Symptoms:** None known.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If any of the above symptoms are present and persist, seek immediate medical attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Agents:** Water spray (fog), foam, dry chemical or carbon dioxide.

### **Special Hazards Arising from the Substance or Mixture**

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Not explosive.

**Reactivity:** No data available.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting instructions:** In case of fire, keep containers cool with water spray. Do not breathe fumes from fires or vapors from decomposition. Do not allow run-off from firefighting to enter drains or water courses.

**Protection During Firefighting:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Hazardous Combustion Products:** Carbon oxides. Amines. Toxic and irritating vapors.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid all unnecessary exposure.

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area. Remove all sources of ignition. Evacuate unnecessary personnel. Stop leak if safe to do so.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Scrub spill area with soapy water and rinse. Store in a closed container until ready for disposal. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, state/provincial and federal regulations.

### **Reference to Other Sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Incompatible Materials:** Acids.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

Product contains no substances with occupational exposure limit values.

#### Exposure Controls

**Appropriate Engineering Controls:** Use only with adequate mechanical exhaust ventilation. Safety showers and eye wash stations should be available.

#### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

**Skin and Body Protection:** Use chemical resistant, impermeable clothing, including gloves and either an apron or body suit to prevent skin contact.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

<b>Appearance</b>	: Colorless liquid
<b>Odor</b>	: Ammoniacal
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting Point</b>	: No data available
<b>Freezing Point</b>	: No data available
<b>Boiling Point/Boiling Range</b>	: No data available
<b>Flash Point</b>	: 121°C (250°F)
<b>Evaporation Rate</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Lower Flammability/Explosion Limit</b>	: No data available
<b>Upper Flammability/Explosion Limit</b>	: No data available
<b>Vapor Pressure</b>	: < 0.01 mm Hg at 21°C
<b>Vapor Density</b>	: No data available
<b>Relative Density</b>	: 1.01
<b>Solubility</b>	: Soluble in water
<b>Partition Coefficient (n-octanal/water)</b>	: No data available
<b>Auto-Ignition Temperature</b>	: No data available
<b>Decomposition Temperature</b>	: No data available

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**Viscosity** : No data available  
**Percent Volatile by Volume** : 0%

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under recommended storage and handling conditions.

**Possibility of Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** High temperatures. Store away from incompatible materials. Do not store in open containers. Keep away from heat, flames, sparks, and other sources of ignition.

**Incompatible Materials:** Acids.

**Hazardous Decomposition Products:** Oxides of carbon. Irritating organic vapors.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

**Acute Toxicity:** Not classified.

#### **LD50/LC50 Values That Are Relevant for Classification (Components):**

3,3'-Oxybis(ethyleneoxy)bis(propylamine)	No data available
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**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

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### Symptoms Related to the Physical, Chemical and Toxicological Characteristics

**Symptoms/Injuries After Inhalation:** Mists, vapors or liquids may cause severe irritation or burns.

**Symptoms/Injuries After Skin Contact:** Causes skin burns. May cause allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/Injuries After Ingestion:** May cause irritation or burns of mouth, throat and stomach, with nausea, abdominal pain, and possible collapse.

**Chronic Symptoms:** None known.

### Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: ECOLOGICAL INFORMATION

Avoid release to the environment. Do not allow product to reach ground water, water course or sewage system.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Spilled material and other rinses are classified as chemical waste. Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

### In Accordance with DOT

**UN Number** : 2735  
**UN Proper Shipping Name** : Amines, liquid, corrosive, n.o.s (3,3'-oxybis(ethyleneoxy)bis(propylamine))  
**Transport Hazard Class** : 8  
**Packing Group** : II

### In Accordance with ICAO/IATA

**UN Number** : 2735  
**UN Proper Shipping Name** : Amines, liquid, corrosive, n.o.s (3,3'-oxybis(ethyleneoxy)bis(propylamine))  
**Transport Hazard Class** : 8  
**Packing Group** : II

### In Accordance with ICAO/IATA

**UN Number** : 2735  
**UN Proper Shipping Name** : Amines, liquid, corrosive, n.o.s (3,3'-oxybis(ethyleneoxy)bis(propylamine))  
**Transport Hazard Class** : 8  
**Packing Group** : II

## SECTION 15: REGULATORY INFORMATION

### Safety, Health, and Environmental Regulations Specific for the Substance or Mixture

#### US Federal Regulations

<b>TSCA Inventory</b>	All components are listed.
<b>SARA 302 Components</b>	No chemicals in this material are subject to the reporting requirement of SARA Title III, Section 302.
<b>SARA 313 Components</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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<b>SARA 311/312 Hazards</b>	Immediate Health, Delayed Health
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## SECTION 16: OTHER INFORMATION

**Date of Issue:** 12/9/2015

**Revision Date:** 8/11/2016

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Party Responsible for the Preparation of This Document:**

Eljen Technology (325) 235-4276

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*