

# CONSERV EPOXY LLC SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** Multipurpose Structural Epoxy Adhesive 552B

**Other Means of Identification:** Component B – Epoxy Hardener

**Recommended use of the chemical and restrictions on use:**

**Product Use:** Glue component

**Uses Advised Against:** None known

**Manufacturer:** ConServ Epoxy LLC  
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Northford, CT 06472  
Information Telephone: (203) 484-4123  
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**Emergency Phone:** INFOTRAC: 1-800-535-5053

**SDS Date of Preparation:** 6/8/15

## 2. HAZARDS IDENTIFICATION

**GHS Classification:**

Physical:	Health:
Not Classified	Eye Damage Category 1 Skin Corrosion Category 1C Skin Sensitizer Category 1

**GHS Label Elements:**

Danger



Contains: Polyaminoamide, 3,3'-Oxybis(ethyleneoxy)bis(propylamine)

**Statements of Hazard**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

**Precautionary Phrases**

P260 Do not breathe mists or vapors.

P264 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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for

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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P310 Immediately call a POISON CENTER or doctor.

P363 Wash contaminated clothing before reuse.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or doctor.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, state, and national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Polyaminoamide	68410-23-1	>35%
3,3'-Oxybis (ethyleneoxy) bis (propylamine)	4246-51-9	10-25%
Glass Oxide	65997-17-3	10-25%
ATBN Polymer	68683-29-4	15-20%
2,4,6-Tris (dimethylaminomethyl) phenol	90-72-2	<10%
Triethylene tetramine	112-24-3	<10%
2-Piperazin-1-ylethylamine	140-31-8	0.5-2%
Bis [(dimethylamino)methyl] phenol	71074-89-0	<2%
Distillates, hydrotreated light	64742-47-8	0.5-1%

The exact concentration is being withheld as a trade secret.

### 4. FIRST AID MEASURES

**Eye:** Immediately flush eyes with large quantities of water for 20 minutes, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get immediate medical attention.

**Skin:** Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use. (Discard contaminated shoes).

**Inhalation:** Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with a small amount of water. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

**Most Important Symptoms:** Causes eye damage and skin burns. May cause skin sensitization. Inhalation of mists may cause severe mucous membrane and respiratory irritation.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is required for all routes of exposure.

## 5. FIRE-FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use water spray or fog, dry chemical, foam, or carbon dioxide.

**Specific Hazards Arising from the Chemical:** Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Vapors may form explosive mixtures with air in confined areas. Thermal decomposition may release oxides of carbon.

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray. Contain water used in firefighting from entering sewers or natural waterways.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Isolate the area and remove unprotected people. Prevent contact with the eyes, skin and clothing. Wear suitable protective clothing to prevent skin and eye contact. Do not breathe mists or vapors. Ventilate the area.

**Methods and Materials for Containment and Cleaning Up:** Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Keep out of sewers and waterways. Notify authorities of releases as required.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Prevent contact with the eyes, skin and clothing. Wear protective clothing and equipment. Do not breathe mists or vapors. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Wash clothing before re-use.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well-ventilated area away from heat, direct sunlight and other incompatible materials. Keep container tightly closed. Suggested storage temperature is  $\leq 38^{\circ}\text{C}$  ( $\leq 100.4^{\circ}\text{F}$ ). Maximum storage period is 6 months at  $27^{\circ}\text{C}$  ( $80^{\circ}\text{F}$ ).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines:

Polyaminoamide	None Established
3,3'-Oxybis (ethyleneoxy) bis (propylamine)	None Established
Glass Oxide	None Established
ATBN Polymer	None Established
2,4,6-Tris (dimethylaminomethyl) phenol	None Established

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Triethylene tetramine	1 ppm TWA AIHA WEEL
2-Piperazin-1-ylethylamine	None Established
Bis [(dimethylamino)methyl] phenol	None Established
Distillates, hydrotreated light	5 mg/m <sup>3</sup> TWA ACGIH TLV (as mineral oil) 5 mg/m <sup>3</sup> TWA OSHA PEL (as oil mist, mineral)

**Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are excessive, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Chemical resistant gloves such as nitrile rubber are recommended to prevent skin contact. Contact your glove supplier for assistance in selecting an appropriate glove.

**Eye Protection:** Wear safety goggles and face shield where splashing is possible.

**Other:** Impervious coveralls, apron and boots is required to prevent skin contact and contamination of personal clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Off-white gel	<b>Flammable Limits:</b> LEL: Not available UEL: Not available
<b>Odor:</b> Mild odor	<b>Vapor Pressure:</b> Not available
<b>Odor Threshold:</b> Not available	<b>Vapor Density:</b> Not available
<b>pH:</b> Not available	<b>Relative Density:</b> 1.07
<b>Melting/Freezing Point:</b> Not available	<b>Solubility (ies):</b> Poorly soluble in water
<b>Initial Boiling Point/Range:</b> Not available	<b>Partition Coefficient Octanol/Water:</b> Not available
<b>Flashpoint:</b> >199.4°F (>93°C)	<b>Auto-ignition Temperature:</b> Not available
<b>Evaporation Rate:</b> Not available	<b>Decomposition Temperature:</b> Not available
<b>Flammability (solid, gas):</b> Not applicable	<b>Viscosity:</b> Not available

### 10. STABILITY AND REACTIVITY

**Reactivity:** May polymerize

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

**Possibility of Hazardous Reactions:** Polymerization may occur if exposed to heat, direct sunlight, and UV radiation.

**Conditions to Avoid:** Keep away from direct sunlight, heat, loss of dissolved air, and UV radiation.

**Incompatible Materials:** Acids, strong bases, amines, direct sunlight, heat, free radical initiators, loss of polymerization inhibitor, oxidizing agents, UV radiation, amines, alkalis, and reducing agents.

**Hazardous Decomposition Products:** When heated to decomposition emits oxides of carbon.

### 11. TOXICOLOGICAL INFORMATION

#### HEALTH HAZARDS:

**Eye:** Causes serious irritation and burns with redness, pain and tearing. May cause permanent eye damage.

**Skin:** Causes skin burns with redness and pain. May cause an allergic skin reaction (sensitization).

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**Inhalation:** Inhalation of mist or vapors causes severe irritation and burns of the nose, throat and upper respiratory tract.

**Ingestion:** Swallowing may cause burns to mucous membranes.

**Chronic:** Prolonged contact may damage eyes and skin.

**Sensitization:** This product is expected to cause sensitization.

**Carcinogenicity:** None of the other components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, and OSHA.

**Germ Cell Mutagenicity:** Not expected to cause germ cell mutagenicity.

**Reproductive Toxicity:** Not expected to cause reproductive harm.

**Numerical Measures of Toxicity:** No data available for the mixture. The following are the toxicity values for the components:

Polyaminoamide: Oral rat LD50: >2000 mg/kg, Skin rat LD50: >2000 mg/kg

3,3'-Oxybis (ethyleneoxy) bis (propylamine): Oral rat LD50: 3160 mg/kg, Skin rat LD50 >2150 mg/kg

Glass Oxide: No toxicity data available

ATBN Polymer: Oral rat LD50: >15.4 g/kg, Skin rabbit LD50: >3 g/kg

2,4,6-Tris (dimethylaminomethyl) phenol: Oral rat LD50: 2169 mg/kg, Skin rat LD50: >1 mL/kg

Triethylene tetramine: Oral rat LD50: 2500 mg/kg, Skin rabbit LD50: 805 mg/kg

2-Piperazin-1-ylethylamine: Oral rat LD50: >1000 mg/kg, Skin rabbit LD50: 866 mg/kg

Bis [(dimethylamino)methyl] phenol: No toxicity data available

Distillates, hydrotreated light: Oral rat LD50: >5000 mg/kg, Skin rabbit LD50: >2000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Polyaminoamide: 96 hr LC50 Zebra fish: 7.07 mg/L, 48 hr EC50 Daphnia magna: 5.18 mg/L, 72 hr EC50

Pseudokirchnerella subcapitata: 4.11 mg/L

3,3'-Oxybis (ethyleneoxy) bis (propylamine): 96 hr LC50 Ide fish: >1000 mg/L, 48 hr EC50 Daphnia magna: 218.16 mg/L

2,4,6-Tris (dimethylaminomethyl) phenol: 96 hr LC50 Rainbow trout: 180-<240 mg/L, 72 hr EC50

Desmodemus subspicatus: 84 mg/L

2-Piperazin-1-ylethylamine: 48 hr EC50 Daphnia magna: 32-58 mg/L

This product is expected to be toxic to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

**Persistence and Degradability:** Polyaminoamide: Not readily biodegradable.

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

**14. TRANSPORT INFORMATION**

**DOT Hazardous Materials Description:**

**Proper Shipping Name:** Amines, liquid, corrosive, n.o.s. (Triethylene tetramine)

**UN Number:** UN2735

**Hazard Class/Packing Group:** 8, PG III

**Labels Required:** Corrosive

**IMDG/IATA/ICAO Hazardous Materials Description:**

**Proper Shipping Name:** Amines, liquid, corrosive, n.o.s. (Triethylene tetramine)

**UN Number:** UN2735

**Hazard Class/Packing Group:** 8, PG III

**Labels Required:** Corrosive, Marine Pollutant

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute Health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

**STATE REGULATIONS:**

**California Proposition 65:** This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

**INTERNATIONAL REGULATIONS:**

**CANADIAN REGULATIONS**

**Canadian Environmental Protection Act:** All components of this product are on the Domestic Substance List (DSL) or are exempt from DSL requirements.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

**16. OTHER INFORMATION**

**NFPA Rating:** Health = 3      Flammability = 1      Instability = 1  
**HMIS Rating:** Health = 3      Flammability = 1      Physical Hazard = 0

**Date of Current Revision:** 6/8/15

**Revision Summary:** New SDS.

**Date of Previous Revision:** -

**NOTICE**

The above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. ConServ Epoxy LLC. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.