

# CONSERV EPOXY LLC SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

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

**Other Means of Identification:** Component A – Epoxy Resin

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

**Product Use:** Use as an adhesive

**Uses Advised Against:** None known

**Manufacturer:** ConServ Epoxy LLC  
P.O. Box 454  
Northford, CT 06472  
Information Telephone: (203) 484-4123  
Fax: (203) 484-2398  
Website: [www.conservepoxy.com](http://www.conservepoxy.com)

**Emergency Phone:** INFOTRAC: 1-800-535-5053

**SDS Date of Preparation:** 6/4/15

## 2. HAZARDS IDENTIFICATION

**GHS Classification:**

Physical:	Health:
Not Classified	Acute Oral Toxicity Category 4 Carcinogen Category 2 Eye Irritant Category 2 Skin Irritant Category 2 Skin Sensitizer Category 1

**GHS Label Elements:**

Warning



Contains: Bisphenol F Epoxy Resin, Carbon black

**Statements of Hazard**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.

**Precautionary Phrases**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing mist or vapors.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

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

P337+P313 If eye irritation persists: Get medical attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 Rinse mouth.

P308+P313 IF exposed or concerned: Get medical attention.

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
Dimer fatty acids Polymer with BPA & ECH	67989-52-0	<45%
Bisphenol F Epoxy Resin	28064-14-4	>25%
Dipentaerythritol pentaacrylate	60506-81-2	<5%
Distillates, hydrotreated light	64742-47-8	0.5-1%
Carbon Black	1333-86-4	<0.5%

The exact concentration is being withheld as a trade secret.

### 4. FIRST AID MEASURES

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

**Skin:** Remove contaminated clothing and shoes. Flush skin with plenty of water for several minutes. Use soap if available. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

**Ingestion:** Rinse mouth with a small amount of water. Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell.

**Most Important Symptoms:** May cause moderate eye and skin irritation. May cause skin sensitization. Inhalation of mists may cause irritation of the nose, throat and respiratory tract. Harmful if swallowed. Ingestion may irritate stomach and cause nausea, vomiting, and diarrhea. This product contains a small amount of carbon black which is suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Indication of immediate medical attention/special treatment:** Immediate medical attention should not be required.

**5. FIRE-FIGHTING MEASURES**

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

**Specific Hazards Arising from the Chemical:** Heat may cause product to polymerize. Thermal decomposition may release oxides of carbon, and other toxic vapors.

**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. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing to prevent skin and eye contact. Avoid breathing 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. Prevent entry into sewers and waterways. Notify authorities of releases as required.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Wear protective clothing and equipment. Avoid breathing 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:**

Dimer fatty acids Polymer with BPA & ECH	None Established
Bisphenol F Epoxy Resin	None Established
Dipentaerythritol pentaacrylate	None Established
Distillates, hydrotreated light	5 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable) (as mineral oil) 5 mg/m <sup>3</sup> TWA OSHA PEL (as oil mist, mineral)
Carbon Black	3 mg/m <sup>3</sup> TWA ACGIH TLV (inhalable) 3.5 mg/m <sup>3</sup> TWA OSHA PEL

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

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**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 chemical safety goggles if eye contact 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> Grey-black gel	<b>Flammable Limits: LEL:</b> Not available <b>UEL:</b> 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> 1.06
<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:** Avoid extreme heat, direct sunlight, loss of dissolved air, and UV radiation.

**Incompatible Materials:** All heat sources, acids, strong bases, oxidizing agents, amines, alkalis, direct sunlight, free radical initiators, reducing agents, and UV radiation.

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

### 11. TOXICOLOGICAL INFORMATION

#### HEALTH HAZARDS:

**Eye:** May cause moderate irritation with redness, tearing and pain.

**Skin:** May cause moderate irritation. May cause an allergic skin reaction (sensitization).

**Inhalation:** Inhalation may cause irritation of the nose, throat and respiratory tract.

**Ingestion:** Harmful if swallowed. Ingestion may irritate stomach and cause nausea, vomiting, and diarrhea.

**Chronic:** No data available.

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

**Carcinogenicity:** Carbon black is listed as Possible Carcinogen to Humans (Group 2B) by IARC. 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:

Product Oral ATE: 500 mg/kg

The following are the toxicity values for the components:

Dimer fatty acids Polymer with BPA & ECH: Oral rat LD50: >2000 mg/kg, Skin rat LD50: >2000 mg/kg

Bisphenol F Epoxy Resin: No toxicity data available

Dipentaerythritol pentaacrylate: No toxicity data available

Distillates, hydrotreated light: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >5.28 mg/L/4hr, Skin rabbit LD50: >2000 mg/kg

Carbon Black: Oral rat LD50: >8000 mg/kg

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity:**

Dimer fatty acids Polymer with BPA & ECH: 96 hr LC50 Rainbow trout: >100 mg/L, 48 hr EC50 Daphnia magna: >100 mg/L, 72 hr EC50 Algae: >160 mg/L

Distillates, hydrotreated light: 96 hr LL50 Rainbow trout: 2-5 mg/L, 48 hr EL50 Daphnia magna: 1.4 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:** Dimer fatty acids Polymer with BPA & ECH: Not readily biodegradable. Bisphenol F Epoxy Resin: 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:** Not Regulated

**UN Number:** None

**Hazard Class/Packing Group:** None

**Labels Required:** None

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

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s (Bisphenol F Epoxy Resin)

**UN Number:** UN3082

**Hazard Class/Packing Group:** 9, PG III

**Labels Required:** Class 9, 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, Chronic 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 contains a substance 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.

**16. OTHER INFORMATION**

**NFPA Rating:** Health = 2      Flammability = 1      Instability = 1  
**HMIS Rating:** Health = 2\*      Flammability = 1      Physical Hazard = 0  
\*Chronic Health Hazard

**Date of Current Revision:** 6/4/15

**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.