CONSERV EPOXY LLC
SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: ConServ Flexible Epoxy Patch 200A, S200A, W200A, X200A

Other Means of Identification: Component A – Epoxy Resin

Recommended use of the chemical and restrictions on use:

Product Use: Filling decay and voids in wood

Uses Advised Against: None known

Manufacturer:
ConServ Epoxy LLC
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SDS Date of Preparation: 10/9/18

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical:	**Health:**
Not Classified	Eye Irritant Category 2 Skin Irritant Category 2 Skin Sensitizer Category 1

GHS Label Elements:

Warning

Contains: Propane, 2, 2-bis [p-(2, 3-epoxypropoxy) phenyl]-, polymers

Statements of Hazard

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Phrases

P261 Avoid breathing mists, vapors, or spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves and eye 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.
P501 Dispose of contents and container in accordance with local, state, and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	65-75%
Alkyl(C12-14) glycidyl ether	68609-97-2	5-15%

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 or vapors may cause irritation of the nose, throat and respiratory tract.
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, foam, or carbon dioxide.
Specific Hazards Arising from the Chemical: Thermal decomposition may release oxides of carbon, phenolic compounds, hydrogen chloride, and water.
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. Residual resin may be removed using steam or hot soapy water. 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 (50°F-75°F /10°C-23.9°C), dry, well-ventilated area away from oxidizers and other incompatible materials. Keep container tightly closed. Avoid exposure to temperatures above 250°C (482°F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	None Established
Alkyl(C12-14) glycidyl ether	None Established

Engineering Controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.
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 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

Appearance: Clear liquid	**Flammable Limits: LEL:** Not available **UEL:** Not available
Odor: Ethereal odor	**Vapor Pressure:** 1.4 mmHg @ 175°F (80°C)
Odor Threshold: Not available	**Vapor Density:** Not available
pH: Not available	**Relative Density:** 1.06
Melting/Freezing Point: Not available	**Solubility (ies):** 7.8% in water
Initial Boiling Point/Range: >200°F (>93.3°C)	**Partition Coefficient Octanol/Water:** Not available
Flashpoint: 300°F (148.9°C) PMCC	**Auto-ignition Temperature:** Not available
Evaporation Rate: Not available	**Decomposition Temperature:** Not available
Flammability (solid, gas): Not applicable	**Viscosity:** Not available

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur by itself, but masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization and considerable heat buildup. Potentially violent decomposition can occur above 350°C (662°F).
Conditions to Avoid: Direct contact with base solutions. Avoid exposure to temperatures above 250°C (482°F).
Incompatible Materials: Strong oxidizers, acids, bases, and amine compounds.
Hazardous Decomposition Products: When heated to decomposition emits oxides of carbon, phenolic compounds, hydrogen chloride, and water.

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 of mists or vapors may cause irritation of the nose, throat and respiratory tract.
Ingestion: Ingestion may irritate stomach and cause nausea, vomiting, and diarrhea.
Chronic: No data available.
Sensitization: This product is expected to cause sensitization.
Carcinogenicity: None of the 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:
Propane, 2, 2-bis [p-(2, 3-epoxypropoxy) phenyl]-, polymers: No toxicity data available
Alkyl (C12-14) glycidyl ether: Oral rat LD50: 26.8 g/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers: 96 hr LC50 Rainbow trout: 2 mg/L, 48hr EC50 Daphnia magna: 1.8 mg/L, 72hr ErC50 Fresh water algae (growth rate inhibition): 11 mg/L, 18hr IC50 Bacteria: >42.6 mg/L, 21 day NOEC Daphnia magna: 0.3 mg/L
Alkyl(C12-14) glycidyl ether: 96hr LC50 Rainbow trout: >5,000 mg/L, 96hr LC50 Bluegill sunfish: 1,800 mg/L, 72hr EbC50 Green algae (cell density reduction): 843 mg/L, 72hr NOEC Green algae (cell density reduction): 500 mg/L

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

Persistence and Degradability: Propane, 2, 2-bis [p-(2, 3-epoxypropoxy) phenyl]-, polymers: Not readily biodegradable- 12% in 28 days. Alkyl (C12-14) glycidyl ether: Moderate biodegradation -87% in 28 days.

Bioaccumulative Potential: Propane, 2, 2-bis [p-(2, 3-epoxypropoxy) phenyl]-, polymers: Bioconcentration potential is moderate (Log Pow 3.242). Alkyl (C12-14) glycidyl ether: Bioconcentration potential is moderate (Log Pow 3.77).

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 (Propane, 2, 2-bis [p-(2, 3-epoxypropoxy) phenyl]-, polymers)
UN Number: UN3082
Hazard Class/Packing Group: 9, PG III
Labels Required: 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: Refer to Section 2 for OSHA Hazard Classification.

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.

16. OTHER INFORMATION

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

Date of Current Revision: 10/9/18
Revision Summary: Reviewed SDS.
Date of Previous Revision: 5/5/15

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.