CONSERV EPOXY LLC
SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: ConServ Flexible Epoxy Patch 200C

Other Means of Identification: Component C – Filler

Recommended use of the chemical and restrictions on use:

Product Use: Powdered filler component for the 200 epoxy patch series

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:**
Combustible Dust	Not Classified

GHS Label Elements:
Warning

Statements of Hazard	**Precautionary Phrases**
May form combustible dust concentrations in air.	None Required

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	**CAS No.**	**Amount**
Phenol-formaldehyde resin	9003-35-4	100%

4. FIRST AID MEASURES

Eye: Flush eyes with large quantities of water, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation occurs and persists.
Skin: Remove contaminated clothing and shoes. Flush skin with plenty of water. Get medical attention if irritation occurs. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.
Ingestion: Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell.

Most Important Symptoms: Direct contact with powder may cause mechanical eye and respiratory tract irritation.

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

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use alcohol-type or all-purpose foam for large fires. Use carbon dioxide, dry chemical or foam for small fires. Do not use a water stream. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.
Specific Hazards Arising from the Chemical: Dust generated in processing of this material may present a potential fire and explosion hazard if suspended in air at high concentrations. Settled dust presents a fire hazard. Re-suspension of the dust into the air by vibration, traffic, material handling, etc. in high concentrations in the presence of an ignition source could result in a dust explosion. Minimize the generation and accumulation of dust. Thermal decomposition may release carbon monoxide, carbon dioxide, formaldehyde, and phenol derivatives.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Isolate the area and remove unprotected people. Eliminate all sources of ignition. Avoid contact with skin, eyes or clothing. Wear suitable protective clothing to prevent prolonged skin and eye contact. Avoid breathing dust. Ventilate the area. Powders that become wet may cause surfaces to be extremely slippery and present a slip hazard.

Methods and Materials for Containment and Cleaning Up: Scoop or shovel up using methods that minimize the generation of airborne dust. Non-sparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Place dry material into an appropriate container for disposal. Flush spill area with water to remove residue. 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 dust. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Minimize the generation and accumulation of dust. Keep dust away from open flames, hot surfaces and sources of ignition. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations. Provide adequate precautions, such as electrical grounding and bonding. 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 sources of ignition. Keep container tightly closed when not in use. Keep away from incompatible materials. Avoid storing at elevated temperatures above 95°F (35°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Phenol-formaldehyde resin (As PNOC)	5 mg/m3 (respirable fraction), 15 mg/m3 TWA (total dust) OSHA PEL

Engineering Controls: Use adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits. Provide local exhaust ventilation where product is processed in a manner that generates dust. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). Use only appropriately classified electrical equipment.
Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded, an approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.
Skin Protection: For prolonged use or in dusty conditions, wear gloves. Contact your glove supplier for assistance in selecting an appropriate glove.
Eye Protection: Wear chemical safety glasses or tight fitted goggles if needed to avoid eye contact.
Other: Impervious coveralls, apron and boots is required to prevent prolonged skin contact and contamination of personal clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Reddish brown powder	**Flammable Limits: LEL:** Not available **UEL:** Not available
Odor: Odorless	**Vapor Pressure:** Not applicable
Odor Threshold: Not applicable	**Vapor Density:** Not applicable
pH: Not applicable	**Relative Density:** 0.20-0.80
Melting/Freezing Point: Not applicable	**Solubility (ies):** Not soluble in water
Initial Boiling Point/Range: Not applicable	**Partition Coefficient Octanol/Water:** Not applicable
Flashpoint: Not applicable	**Auto-ignition Temperature:** 932°F (500°C) ASTM D1929
Evaporation Rate: Not applicable	**Decomposition Temperature:** Not available
Flammability (solid, gas): Dust is combustible	**Viscosity:** Not applicable

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. Product may undergo oxidation at elevated temperatures due to insulating characteristics. The internal temperature of the mass can increase to the point where spontaneous ignition and smoldering can occur.
Conditions to Avoid: Avoid heat, sparks, flames and all other sources of ignition. Avoid hygroscopic conditions and dust formation. Avoid exposure to temperatures above 95°F (35°C).
Incompatible Materials: Strong oxidizers, strong acids and bases, halogens, and acyl halides.
Hazardous Decomposition Products: When heated to decomposition emits carbon monoxide, carbon dioxide, formaldehyde, and phenol derivatives.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Eye: Dust may cause irritation with redness and tearing.
Skin: Dust may cause mechanical irritation with itching.
Inhalation: Inhalation of dust may cause irritation of the nose, throat and upper respiratory tract.
Ingestion: Swallowing large amounts may irritate stomach and cause nausea, vomiting, and diarrhea.
Chronic: No data available.
Sensitization: This product is not expected to cause sensitization.
Carcinogenicity: None of the components of this product above 0.1% 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 rat LD50: >5000 mg/kg, Skin rat LD50: >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data available.

Persistence and Degradability: No data available

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: Not Regulated
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

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

Date of Current Revision: 10/9/18
Revision Summary: Reviewed SDS.
Date of Previous Revision: 5/6/15

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.