

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product Name:
PowerPatch® Slow Cure Sealant
Type EPSC Paste (Part B)

Product ID numbers: EPSC-KIT1, EPSC-KIT2, EPSC-XXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Sealant/adhesive resin, Part B of 2-Part Sealant

List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation

11222 - 60th Street North

Stillwater, MN 55082 USA

Tel: 1-651-430-2270

Email: sds@polywater.com

1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Skin Irritation, Cat 2; H315

Eye Irritation, Cat 2; H319

Skin Sensitization, Cat 1; H317

2.2 Label elements

Contains:

Polymer of C-18 Unsaturated Fatty Acid Dimers, Triethylenetetramine, Diethylene glycol bis (3-aminopropyl) ether



Pictograms:

Signal word: Warning

Hazard Statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash thoroughly after handling.

P280 Wear protective gloves, protective clothing and eye protection.

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

P333 + P313 If skin irritation or rash occurs: Get medical attention..
 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.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/container in accordance with local and national regulations.

2.3 Other hazards: No information available.

3. Composition/Information on Ingredients

| <u>Component</u> | <u>CAS #</u> | <u>EC #</u> | <u>Wt. %</u> | <u>GHS/CLP Classification</u> |
|--|--------------|-------------|--------------|---|
| Polymer of C-18 Unsaturated Fatty Acid Dimers with TETA & TOFA | 68082-29-1 | 500-191-5 | 30 - 50 | Skin Irrit 2, H315 Skin Sens 1, H317 Eye Irrit 2A, H319 |
| Polymer of C-18 Unsaturated Fatty Acid Dimers | 68541-13-9 | -- | 10 - 15 | Eye Irrit. 2, H319 |
| Triethylenetetramine | 112-24-3 | 203-950-6 | 2 - 5 | Acute Tox. 4, H312 Skin Corr. 1AB, H314 Skin Sens. 1 H317 Aquatic Chronic 3 H412 |
| Diethylene glycol bis (3-aminopropyl) ether | 4246-51-9 | 224-207-2 | 1 - 3 | Skin Corr. 1B, H314 Skin Sens. 1, H317 Eye Irrit 2, H319 |

4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Immediately flush eyes with large quantity of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing; flush skin thoroughly with soap and water for at least 15 minutes. If irritation or allergic reaction occurs, seek medical attention.

Inhalation (Breathing): If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.

Ingestion (Swallowing): Wash out mouth with water. Do not induce vomiting. If victim is unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 for more information.

4.3 Indication of immediate medical attention and special treatment needed.

No information available.

5. Firefighting Measures

5.1 Extinguishing media:

Water fog or fine spray, dry chemical carbon dioxide, or foam.

5.2 Special hazards arising from the substance or mixture

Dense smoke is emitted when burned without sufficient oxygen.

Hazardous decomposition and by-products:

Oxides of carbon, oxides of sulfur, oxides of nitrogen. May contain other combustion products of varying composition which may be toxic or irritating.

5.3 Advice for firefighters

Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Water fog may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. Direct water

stream may spread fire.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate area. Use appropriate safety equipment.

6.2 Environmental precautions:

Avoid release to the environment. Refer to Section 12 for more information.

6.3 Methods materials for containment and cleaning up:

Absorb spill with sand or absorbents. Residual resin may be removed using steam or hot soapy water. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container. Residual material can be removed with solvent.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid personal contact with the product. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities

Keep containers cool, dry, and away from sources of ignition. Keep containers and cartridges capped and sealed. Protect from freezing. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

7.3 Specific end uses

See technical data sheet on this product for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

Contains no components with established Occupational Exposure Limit (OEL) values.

8.2 Exposure controls

Respiratory protection:

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.

Protective gloves:

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include nitrile (included in most kits), neoprene, ethyl vinyl alcohol (EVAL), PVC.

Eye protection:

Safety glasses recommended.

Other protective equipment:

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

9. Physical and Chemical

9.1 Information of basic physical and chemical properties

Appearance: White to yellow paste; slight sulfur, pungent odor.

Odor threshold: Not available

| | |
|--|-----------------------|
| pH: | Does not apply |
| Freezing point: | Not available |
| Boiling point: | Not available |
| Flash point: | >200°F / >90°C (PMCC) |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not available |
| Upper/lower flammability or explosive limits: | Not available |
| Vapor pressure: | <1 mm Hg @ 20°C |
| Vapor density (Air = 1): | Not available |
| Specific gravity (H₂O = 1): | 1.17 @ 20°C |
| Solubility in water: | Negligible |
| Partition coefficient: n-octanol/water: | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

9.2 Other Information

| | |
|------------------------------|-------|
| Volatiles (Weight %): | 0% |
| VOC Content: | 0 g/l |

10. Stability and Reactivity

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid:

Avoid extreme heat and open flame.

10.5 Incompatible materials :

Strong oxidizing agents.

10.6 Hazardous decomposition products:

Oxides of carbon, oxides of sulfur, oxides of nitrogen and other organic substances may be formed during combustion or elevated temperature degradation.

11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

Eye contact:

Direct eye contact with material or vapors may cause eye irritation.

Skin contact:

May cause severe skin irritation, especially on prolonged contact. Prolonged or repeated skin exposure may cause skin sensitization.

Irritation and Sensitization Potential:

This product has high skin irritation potential. It is a sensitizer.

Inhalation (Breathing):

Low vapor pressure makes this route of exposure unlikely. No known significant hazard.

Ingestion:

Material is considered slightly toxic. Ingestion may cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea.

Toxicity to Animals:

| | |
|---|---|
| Polymercaptan amine blend | LD ₅₀ (oral rat) >2,000 mg/kg |
| Polymer of C-18 Unsaturated Fatty Acid Dimers with TETA & TOFA | LD ₅₀ (oral rat) >2,000 mg/kg LD ₅₀ (dermal rabbit) >2,000 mg/kg |
| Triethylenetetramine | LD ₅₀ (oral rat) 2,780 mg/kg LD ₅₀ (dermal rabbit) 550 mg/kg |

Aspiration Hazard:

No aspiration hazard expected.

Chronic Exposure:

| | |
|--|--|
| Reproductive Toxicity: | Not available. |
| Mutagenicity: | Not available. |
| Teratogenicity: | Not available. |
| Specific Target Organ Toxicity (STOT) | Not available. |
| Toxicologically Synergistic Products: | Not available. |
| Carcinogenic Status: | This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components. |

12. Ecological Information

12.1 Toxicity:

Aquatic Toxicity: Not available.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulation potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB Assessment: This product is not, nor does it contain a substance that is a PBT or vPvB.

12.6 Other adverse effects: None known.

13. Disposal Considerations

Do not dump into sewer, on ground or into any body of water. Dispose of product in accordance with National and Local Regulations.

14. Transport Information

| | |
|-----------------------------------|----------------|
| DOT: | Not Regulated |
| UN Number: | Not Listed |
| UN Proper Shipping Name: | Not Applicable |
| Class and Subsidiary Risk: | Not Applicable |
| Packing Group: | Not Applicable |
| ICAO/IATA-DGR: | Not Regulated |
| IMDG: | Not Regulated |
| ADR/RID: | Not Regulated |

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

USA Federal and State

All components are listed on the TSCA inventory.

| | | | | | |
|---|---------------------|----------------------|-------------------|-----------------------|-----------------------|
| Hazard Categories for SARA Section 311/312 Reporting | <u>Acute</u> Yes | <u>Chronic</u> No | <u>Fire</u> No | <u>Pressure</u> No | <u>Reactive</u> No |
|---|---------------------|----------------------|-------------------|-----------------------|-----------------------|

| | | |
|-------------------|-------------------------------|----------------------|
| <u>Components</u> | CERCLA/SARA Sec 302 | SARA Sec. 313 |
| | <u>Hazardous Substance RQ</u> | <u>EHS TPQ</u> |
| | | <u>Toxic Release</u> |

The components of PowerPatch®-Leak Sealant Paste - Part B are not affected by these Superfund regulations.

NFPA Ratings:

| | |
|-------------|---|
| Health: | 2 |
| Fire: | 1 |
| Reactivity: | 1 |

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

European Union

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list ≥ 0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

Canada

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Australia

All components are listed on the AICS. Product is classified as hazardous according to criteria of NOHSC Australia.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

- OSHA = Occupational Safety and Health Administration
- CLP = Classification, Labeling and Packaging Regulation
- STOT = Specific Target Organ Toxicity
- LD₅₀ = Median Lethal Dose
- DNEL = Derived No Effect Level
- ACGIH = American Conference of Governmental Industrial Hygienists
- TSCA = Toxic Substances Control Act (USA)
- DSL = Domestic Substances List (Canada)
- AICS = Australian Inventory of Chemical Substances

Mixture classification according to Regulation (EC) No 1272/2008:

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

Classification Procedure

- Calculation method.
- Calculation method.
- Calculation method.

Revision Date: August 10, 2017
Revision Number: 6 NA

Product Name: PowerPatch® Slow Cure Sealant (Part B) Type EPSC

Revision Date: August 10, 2017

Supersedes: January 2, 2015

Other: Not Applicable

Indication of Changes: Reviewed, Sections 2, 16 updated: new precautions statements, format updates.
Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and
Canada HPR (SOR/2015-17)(WHMIS 2015). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.