# SAFETY DATA SHEET - SET

# PowerPatch® Leak Repair Cartridge Kit

**Product ID numbers:** EPCT-KIT1LG (Tool Included)

EPCT-KIT1L (Cartridge replacement – No Tool)

Date Compiled: March 8, 2022



# Supplier/Manufacturer:

**American Polywater Corporation** 

11222 - 60th Street North Stillwater, MN 55082 USA

Tel: 1-651-430-2270

Email: sds@polywater.com

# **Emergency telephone numbers**

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

This product is a kit or a multi-part product with independent components. An SDS for each component is included. Do not separate SDSs.

### Contains

PowerPatch EPCT Cartridge Sealant Part A SDS PowerPatch EPCT Cartridge Sealant Part B SDS PowerPatch Putty Stick SDS Type LoVoC Low VOC Cleaning Wipe SDS

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

Each Kit may or may not contain all SDS components

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.

Revision Date: March 4, 2022 Revision Number: 11 supersedes 10

# SAFETY DATA SHEET

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

### 1.1 Product identifier

# Product Name: PowerPatch® Cartridge Leak Repair Gel EPCT (Part A) SEALANT 84251

Product ID numbers: EPCT-KIT1, EPCT-KIT1G, EPCT-KITB6, EPCT-KITB6G;

EPCT-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 A 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 1-352-323-3500

# 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 Irrit 2 H315 Skin Sens 1 H317 Eye Irrit 2A H319

2.2 Label elements

Contains: Bisphenol A-epichlorohydrin polymer



**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 hands 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 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if

P338 present and easy to do. Continue rinsing.

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

P362 + P364 Take off contaminated clothing.

P501 Dispose of container in accordance with local regulations

**2.3 Other hazards:** No information available.

# 3. Composition/Information on Ingredients

 Component
 CAS #
 EC #
 Wt. %

 Bisphenol A-epichlorohydrin polymer
 25068-38-6
 500-033-5
 80 - 95

This product contains no other reportable hazardous components under OSHA 29 CFR 1910, 1200 Canada and European Regulation (EC) No 1272/2008. No additional ingredients require reporting based on applicable concentration and current supplier knowledge.

### 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): No emergency medical treatment necessary

# 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:

CO<sub>2</sub>, CO, phenolics. 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. Prevent spill from entering drainage/sewer systems, waterways, basements or confined areas. 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. Wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced. Use a respirator or gas mask with cartridges for organic vapors (NIOSH or CE approved) with particulate pre-filter, P100 or AP2.

### **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. Use a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374). NOTE: The selection of specific glove for the application should account for other chemicals in the environment, physical requirements and potential user reaction to the glove material.

# 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:** Dark gray or black gel.

Odor threshold:

pH:

Does not apply

Freezing point:

Not available

Boiling point: Not available

Flash point: >400°F / >200°C (PMCC)

**Evaporation rate:** Not available **Flammability (solid, gas):** Not available

Upper/lower flammability or

**explosive limits:** Not available

Vapor pressure: < 0.001 mm Hg @ 20°C

Vapor density (Air = 1): >1

Specific gravity ( $H_2O = 1$ ): 1.25 @ 25°C Solubility in water: Not available

Partition coefficient: n-

octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Not available

Not available

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 high temperatures above 300 °C (572 °F). Decomposition can occur above 350 °C (662 °F). Generation of gas during decomposition can cause pressure to build in closed systems.

### 10.5 Incompatible materials:

Strong acids or bases (especially primary or secondary aliphatic amines), strong oxidizing agents.

### 10.6 Hazardous decomposition products:

CO<sub>2</sub>, CO, phenolics 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:

This product has moderate skin irritation potential. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material. Prolonged or repeated skin exposure may cause skin sensitization.

### Irritation and Sensitization Potential:

May cause allergic skin reaction.

### Inhalation (Breathing):

Low vapor pressure makes this route of exposure unlikely.

Ingestion:

Ingestion may cause irritation of the gastrointestinal tract.

**Toxicity to Animals:** 

Bisphenol A Diglycidyl Ether:  $LD_{50}$  (oral rat) >15,000 mg/kg

LD<sub>50</sub> (dermal rabbit) 23,000 mg/kg

**Aspiration Hazard:** 

No aspiration hazard expected.

**Chronic Exposure:** 

Reproductive Toxicity: Not available.

Mutagenicity: Resins based on diglycidyl ether of bisphenol A have proved to be inactive

> when tested by in-vivo mutagenicity assays. These resins have shown activity in in-vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat-liver cells. The significance of these tests to

humans is unknown.

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: May be toxic to aquatic organisms.

Bisphenol A Diglycidyl LC<sub>50</sub> (96 hr.): 2 mg/l Oncorhynchus mykiss (rainbow trout)

Ether: Semi-static test

EC<sub>50</sub> (48 hr.): 1.8 mg/l Daphnia magna (invertebrate) Bisphenol A Diglycidyl

Ether: Static test

Bisphenol A Diglycidyl ErC<sub>50</sub> (72 hr.): 11 mg/l Fresh water algae (aquatic plants)

Ether: Static test

Chronic Toxicity Value:

Bisphenol A Diglycidyl Daphnia magna (invertebrate),21 d, number of offspring, NOEC: 0.3 mg/l

Semi-static test

Ether:

12.2 Persistence and Based on stringent OECD test guidelines, this material cannot be considered readily biodegradable. Biodegradability depends on degradability:

environmental conditions.

Bisphenol A Diglycidyl OECD Biodegradation Test 302B

12% Biodegradation, 28 d exposure Ether:

Bisphenol A Diglycidyl Theoretical Oxygen Demand

Ether: 2.35 mg/mg

12.3 Bioaccumulation

potential: Bioconcentration potential is moderate. Potential for mobility in soil is low.. 12.4 Mobility in soil:

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: 3082

**UN Proper Shipping Name:** Environmentally hazardous substance, liquid, N.O.S. (Bisphenol A)

Class and Subsidiary Risk: 9
Packing Group: ||||

ICAO/IATA-DGR: Not Regulated (See Special Provision A197)
IMDG: Not Regulated (See IMDG Code 2.10.2.7)

ADR/RID: 9

Other information For surface shipments within the United States: 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	<u>Acute</u>	<b>Chronic</b>	<u>Fire</u>	<u>Pressure</u>	<b>Reactive</b>
Section 311/312 Reporting	Yes	No	No	No	No

CERCLA/SARA Sec 302 SARA Sec. 313

<u>Components</u>
The components of PowerPatch®-Leak Sealant Gel - Part A are not affected by these Superfund regulations.

NFPA Ratings: Health: 1
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.

### **California Proposition 65**

WARNING: This product can expose you to 2-(phenoxymethyl)-oxirane which is known to the state of California to cause cancer, and 4,4'-(1-methylethylidene)bis-phenol which is known to the State of California to cause birth defects and/or other reproductive harm. For more information, go to www.p65warnings.ca.gov.

### **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

 $LD_{50} = Median Lethal Dose$ 

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: Classification Procedure

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

Revision Date: March 4, 2022

**Revision Number:** 11

**Supersedes:** February 29, 2020 **Other:** Not Applicable

Indication of Changes: Section 8, 15 updated; added PPE pictograms, updated California Proposition 65

status.

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.

Revision Date: March 4, 2022 Revision Number: 9 supersedes 8

# SAFETY DATA SHEET

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

### 1.1 Product identifier

# Product Name: PowerPatch® Cartridge Leak Repair Gel EPCT (Part B) SEALANT 84261

Product ID numbers: EPCT-KIT1, EPCT-KIT1G, EPCT-KITB6, EPCT-KITB6G;

EPCT-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 1-352-323-3500

# 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, 1,3-bis[3-(Dimethylamino)propyl]

urea, Triethylenetetramine, Diethylene glycol bis (3-aminopropyl) ether



Pictograms: 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. P332 + P313 If skin irritation occurs: Get medical attention..

P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if

P338 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> Polymer of C-18 Unsaturated Fatty Acid Dimers with TETA & TOFA	<u>CAS #</u> 68082-29-1	EC # 500-191-5	<u>Wt. %</u> 10 - 15
1,3-bis[3-(Dimethylamino)propyl] urea	52338-87-1	257-861-2	3 - 7
Polymer of C-18 Unsaturated Fatty Acid Dimers	68541-13-9		3 - 7
Triethylenetetramine	112-24-3	203-950-6	1 - 3
Diethylene glycol bis (3-aminopropyl) ether	4246-51-9	224-207-2	1 - 3

This product contains no other reportable hazardous components under OSHA 29 CFR 1910, 1200 Canada and European Regulation (EC) No 1272/2008. No additional ingredients require reporting based on applicable concentration and current supplier knowledge.

### 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 gel; slight sulfur, pungent odor.

Odor threshold:

pH:

Does not apply

Freezing point:

Not available

Not available

Not available

Flash point:  $>200^{\circ}F/>90^{\circ}C$  (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 availableSpecific gravity ( $H_2O = 1$ ):1.2 @ 20°CSolubility in water:Not available

Partition coefficient: n-

octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Not available

Not available

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 L

 $LD_{50}$  (oral rat) >2,000 mg/kg

Polymer of C-18 Unsaturated Fatty Acid

Dimers with TETA & TOFA LD<sub>50</sub> (oral rat) >2,000 mg/kg

LD<sub>50</sub> (dermal rabbit) >2,000 mg/kg

Triethylenetetramine LD<sub>50</sub> (oral rat) 2,780 mg/kg

LD<sub>50</sub> (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 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 Acute Yes No No No No No No

CERCLA/SARA Sec 302 SARA Sec. 313
Hazardous Substance RQ EHS TPQ Toxic Release

<u>Components</u>

The components of PowerPatch®-Leak Sealant Gel - 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.

### **California Proposition 65**

WARNING: This product can expose you to chemicals including sulphuric acid, nitrilotriacetic acid, which is/are known to the State of California to cause cancer. For more information, go to www.p65warnings.ca.gov.

### **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

LD<sub>50</sub> = 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: **Classification Procedure** 

H315 Causes skin irritation.

Calculation method.

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

**Revision Date:** March 4, 2022

**Revision Number:** 9 NA

Supersedes: September 20, 2018 Other: Not Applicable

**Indication of Changes:** Section 8, 15 updated; added PPE pictograms and revised California Proposition 65

information. 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.

Revision Date: March 4, 2022 Revision Number: 9 supersedes 8

# SAFETY DATA SHEET

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

# 1.1 Product identifier

Product Name: PowerPatch® Putty Stick (EP-STICK) Part Numbers: 50822, 51043

Product ID numbers: EP-STICK4;

Contained in EP-KITXXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** 2-Part Putty Sealant for temporary repair

**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 Irrit 2 H315 Skin Sens 1 H317 Eye Irrit 2B H319

2.2 Label elements

**Contains** Bisphenol A-epichlorohydrin polymer



**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 hands 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 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if

P338 present and easy to do. Continue rinsing.

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

P362 + P364 Take off contaminated clothing.

P501 Dispose of container in accordance with local regulations

**2.3 Other hazards:** No information available.

# 3. Composition/Information on Ingredients

ComponentCAS #EC #Wt. %Bisphenol A-epichlorohydrin polymer25068-38-6500-033-510 - 30

### 4. First Aid Measures

### 4.1 Description of first aid measures

**Eve 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): No emergency medical treatment necessary

### 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:

CO<sub>2</sub>, CO, phenolics. 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. Prevent spill from entering drainage/sewer systems, waterways, basements or confined areas. 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. A Derived No Effect Level (DNEL) of 12.25 mg/m³ has been established for Acute Inhalation.

# 8.2 Exposure controls

### Respiratory protection:

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced. Use a respirator or gas mask with cartridges for organic vapors (NIOSH or CE approved) with particulate pre-filter, P100 or AP2.

# **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. Use a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374). NOTE: The selection of specific glove for the application should account for other chemicals in the environment, physical requirements and potential user reaction to the glove material.

### 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:** Gray/dark gray, solid putty stick.

Pungent, sulfurous odor.

Odor threshold:

PH:

Not available

Not available

Not available

Not available

Not available

**Flash point:** >199.9°F / >93.3°C (PMCC)

**Evaporation rate:** Not available **Flammability (solid, gas):** Not available

Upper/lower flammability or

explosive limits: Not available Vapor pressure: Not available Vapor density (Air = 1): Not available

Specific gravity ( $H_2O = 1$ ): 2.247

Solubility in water: Not available

Partition coefficient: n-

octanol/water:

Auto-ignition temperature:

Not available

Not available

>392°F / >200°C

Viscosity: Not available (thick putty)

9.2 Other Information

Volatiles (Weight %): <0.1% 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 high temperatures above 300 °C (572 °F). Decomposition can occur above 350 °C (662 °F). Generation of gas during decomposition can cause pressure to build in closed systems.

# 10.5 Incompatible materials:

Strong acids or bases (especially primary or secondary aliphatic amines), strong oxidizing agents.

### 10.6 Hazardous decomposition products:

CO<sub>2</sub>, CO, phenolics and other organic substances may be formed during combustion or elevated temperature degradation.

### 11. Toxicological Information

### 11.1 Information on toxicological effects:

### **Acute toxicity**

### Eve contact:

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

### Skin contact:

This product has moderate skin irritation potential. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material. Prolonged or repeated skin exposure may cause skin sensitization.

### Irritation and Sensitization Potential:

May cause allergic skin reaction.

### Inhalation (Breathing):

Low vapor pressure makes this route of exposure unlikely.

### Ingestion:

Ingestion may cause irritation of the gastrointestinal tract.

**Toxicity to Animals:** 

Bisphenol A Diglycidyl Ether:  $LD_{50}$  (oral rat) >15,000 mg/kg

LD<sub>50</sub> (dermal rabbit) 23,000 mg/kg

**Aspiration Hazard:** 

No aspiration hazard expected.

**Chronic Exposure:** 

**Reproductive Toxicity:** Not available.

Mutagenicity: Resins based on diglycidyl ether of bisphenol A have proved to be inactive

> when tested by in-vivo mutagenicity assays. These resins have shown activity in in-vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat-liver cells. The significance of these tests to

humans is unknown.

Teratogenicity:

**Specific Target Organ** 

Not available.

Not available. Toxicity (STOT)

**Toxicologically Synergistic** 

**Products:** Not available.

This substance has not been identified as a carcinogen or probable Carcinogenic Status:

carcinogen by NTP, IARC, or OSHA, nor have any of its components.

# 12. Ecological Information

### 12.1 Toxicity:

**Aquatic Toxicity:** May be toxic to aquatic organisms.

Bisphenol A Diglycidyl LC<sub>50</sub> (96 hr.): 2 mg/l Oncorhynchus mykiss (rainbow trout)

Ether: Semi-static test

Bisphenol A Diglycidyl EC<sub>50</sub> (48 hr.): 1.8 mg/l Daphnia magna (invertebrate)

Ether: Static test

Bisphenol A Diglycidyl ErC<sub>50</sub> (72 hr.): 11 mg/l Fresh water algae (aquatic plants)

Ether: Static test

Chronic Toxicity Value:

Daphnia magna (invertebrate),21 d, number of offspring, NOEC: 0.3 mg/l Bisphenol A Diglycidyl

Semi-static test Ether:

12.2 Persistence and

Based on stringent OECD test guidelines, this material cannot be

considered readily biodegradable. Biodegradability depends on degradability:

environmental conditions.

OECD Biodegradation Test 302B Bisphenol A Diglycidyl 12% Biodegradation, 28 d exposure Ether:

Bisphenol A Diglycidyl Theoretical Oxygen Demand

Ether: 2.35 mg/mg

12.3 Bioaccumulation

potential: Bioconcentration potential is moderate. 12.4 Mobility in soil: Potential for mobility in soil is low..

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: 3077

**UN Proper Shipping Name:** Environmentally hazardous substance, solid, N.O.S. (Bisphenol A)

Class and Subsidiary Risk: 9
Packing Group: ||||

ICAO/IATA-DGR: Not Regulated (See Special Provision A197)
IMDG: Not Regulated (See IMDG Code 2.10.2.7)

ADR/RID: 9

Other information For surface shipments within the United States: Not regulated.

### 15. Regulatory Information

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

### **USA Federal and State**

Components

All components are listed on the TSCA inventory.

Hazard Categories for SARA Acute Chronic Fire Pressure Reactive
Section 311/312 Reporting Yes No No No

CERCLA/SARA Sec 302 SARA Sec. 313
Hazardous Substance RQ EHS TPQ Toxic Release

Components are not affected by these Superfund regulations.

NFPA Ratings: Health: 2

Fire: 1 Reactivity: 0

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.

### **California Proposition 65**

WARNING: This product can expose you to 2-(phenoxymethyl)-oxirane which is known to the state of California to cause cancer, and 4,4'-(1-methylethylidene)bis-phenol which is known to the State of California to cause birth defects and/or other reproductive harm. For more information, go to www.p65warnings.ca.gov.

### **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

 $LD_{50} = Median Lethal Dose$ 

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: Classification Procedure

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

**Revision Date:** September 20, 2018

**Revision Number:** 8 NA

**Supersedes:** August 7, 2017 **Other:** Not Applicable

**Indication of Changes:** Section 8, 15 updated; added PPE pictograms and additional California Proposition 65

information. 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.

Revision Date: March 4, 2022 Revision Number: 8 supersedes 7

# SAFETY DATA SHEET

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

### 1.1 Product identifier

# Product Name: Type LoVoC™ Low VOC Cleaning Wipe

Product ID numbers: LOVOC-1L

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses:Electrical cleaningList 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).

Flam Liq 2 H226 Skin Irrit 2 H315 Skin Sens 1 H317 Eye Irrit 2 H319 STOT SE 3 H335

2.2 Label elements

**Contains:** Parachlorobenzotrifluoride, d-Limonene



**Pictograms:** 

Signal word: Warning

**Hazard Statements:** 

H226 Flammable liquid
H315 Causes skin irritation

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation

**Precautionary Statements:** 

P210 Keep away from flames and hot surfaces. No smoking.

P261 Avoid breathing fumes.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

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

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

P312 Call a doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

P305+P351+P338 lenses, if present and easy to do. Continue rinsing. P337 + P313 lf eye irritation persists: get medical attention.

P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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

**2.3 Other hazards:** No information available.

# 3. Composition/Information on Ingredients

Component	CAS#	EC#	Wt. %
Parachlorobenzotrifluoride	98-56-6	<del>202-</del> 681-1	< 100%
d-Limonene	5989-27-5	227-813-5	< 10

### 4. First Aid Measures

### 4.1 Description of first aid measures

**Eve Contact:** If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes

with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing; flush skin thoroughly with water. If irritation

occurs, seek medical attention.

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

medical attention. If breathing is difficult, provide oxygen. If not breathing, give

artificial respiration. Seek immediate medical attention.

Ingestion (Swallowing): Do not induce vomiting or give anything by mouth. If victim is drowsy or

unconscious, place on the left side with head down. 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:

Carbon dioxide, water fog, dry chemical or foam.

### 5.2 Special hazards arising from the substance or mixture

### Hazardous decomposition and by-products:

Burning may generate gases containing chlorine and/or gases containing fluorine. Smoke may be acrid and fumes 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. Use water spray to cool fire exposed containers.

### 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only non-sparking tools to clean up the spill. For a spill in a confined space, provide mechanical ventilation to disperse or exhaust vapors. For emergency responders: use respiratory protection: half-face or full-face respirator with filter(s) for organic vapor for spills in a confined space. Work gloves that are resistant to aromatic hydrocarbons are recommended. Chemical goggles are recommended if splashes or contact with eyes is possible. For small spills: normal antistatic work clothes are usually adequate.

### 6.2 Environmental precautions:

Avoid release to the environment. Dyke the spill to prevent entry into waterways, sewers, basements or confined areas.

# 6.3 Methods materials for containment and cleaning up:

Absorb spill with sand or absorbents. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container. Remember, adding an absorbent material does not change the toxicity or flammability hazard.

### 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

Keep away from heat/sparks/open flames/hot surfaces. Electrostatic charge may build up during handling. Grounding of equipment is recommended. Avoid breathing vapors or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

# 7.2 Conditions for safe storage, including incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store away from acids and oxidizing agents.

### 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:

Parachlorobenzotrifluoride (98-56-6)

Long-term exposure limit – Short-term exposure limit – Country/Source 8 hr. TWA 15 min

Manufacturer 25 ppm --

USA OSHA. ACGIH Not established Not established

Alberta, Quebec, Yukon,

British Columbia,

Saskatchewan, Ontario\* Not established Not established

**D-Limonene** (5989-27-5)

Long-term exposure limit – Short-term exposure limit – Country/Source 8 hr. TWA 15 min

USA ACGIH TWA Not established Not established

USA OSHA PEL Not established Not established

Alberta, Quebec, Yukon, British Columbia,

Saskatchewan, Ontario\* Not established Not established

\* Manitoba, Newfoundland and Labrador, Nova Scotia, and Prince Edward Island are all based on the current ACGIH TLVs. New Brunswick is based on an older version ACGIH. Nunavet and Northwest Territories are based heavily on current ACGIH TLVs.

Component Name	Limit	Standard	Source/Note
Parachlorobenzotrifluoride	25 ppm	CEL	Manufacturer

### 8.2 Exposure controls

# Respiratory protection:

Towelette limits solvent vapor exposure. 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:

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation. For limited use, PVC or Nitrile is acceptable. Chemically resistant gloves such as North Silver Shield® or Viton® may be used for longer exposure.

# Eye protection:

None necessary. Wipe package eliminates splash hazard. Do not allow wipe/towel to directly contact eyes.

### Other protective equipment:

It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

### 9. Physical and Chemical

# 9.1 Information of basic physical and chemical properties

**Appearance:** Clear, colorless liquid sharp odor.

Odor threshold:

pH:

Does not apply

Freezing point:

Not available.

**Boiling point:** 282°F / 139°C Initial

Flash point: 104°F (40°C), Closed Cup (PMCC)

**Evaporation rate:** >0.1 (n-butyl acetate = 1) **Flammability (solid, gas):** Not applicable to liquids

Upper/lower flammability or explosive limits: Upper:10.5 Lower: 0.9

Vapor pressure: >5 mm Hg @ 20°C

Vapor density (Air = 1): > 1.0Specific gravity (H<sub>2</sub>O = 1): 1.28 Solubility in water: Minimal

Partition coefficient: n-

octanol/water:Not availableAuto-ignition temperature:>500 °CDecomposition temperature:Not available

9.2 Other Information

Volatiles (Weight %): 100%

**VOC Content:** 21 g/l (contains exempt compounds)

1.6% by weight (CARB, California Air Resource Board)

# 10. Stability and Reactivity

### 10.1 Reactivity:

See remaining headings in Section 10.

# 10.2 Chemical stability:

Stable

### 10.3 Possibility of hazardous reactions:

None known.

### 10.4 Conditions to avoid:

Avoid heat, flame, and sparks.

# 10.5 Incompatible materials:

Strong oxidizing agents.

# 10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide,

### 11. Toxicological Information

### 11.1 Information on toxicological effects:

### **Acute toxicity**

### Eye contact:

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

### Skin contact:

Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

### Irritation and Sensitization Potential:

Product may be irritating to skin and eyes. It is not a sensitizer.

# Inhalation (Breathing):

Concentrated petroleum solvent vapors may cause irritation of the nose and throat. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Persons with impaired lung function may experience additional breathing difficulties due to the irritant properties of this material.

### Ingestion:

Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

### **Toxicity to Animals:**

Parachlorobenzotrifluoride LD<sub>50</sub> (oral rat) >6800 mg/kg

LD<sub>50</sub> (dermal rabbit) >2700 mg/kg

LC<sub>50</sub> (inhl rat) 4479 ppm

Citrus Terpenes: LD<sub>50</sub> (oral rat) >5000 mg/kg

LD<sub>50</sub> (dermal rabbit) 5000 mg/kg

RD<sub>50</sub> 1000 ppm

### **Aspiration hazard**

Not considered an aspiration hazard.

### **Chronic Exposure:**

Reproductive Toxicity: Not available.

Mutagenicity: Not available.

Teratogenicity: Not available.

**Specific Target Organ** 

**Toxicity (STOT)** No end point data.

**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 Aquatic Toxicity:

Parachlorobenzotrifluoride LC<sub>50</sub> (96 hr.): 13.5 mg/l Rainbow trout (fish)

 $LC_{50}$  (96 hr.): 12.0 mg/l Bluegill sunfish (fish)  $LC_{50}$  (48 hr.): 12.4 mg/l Water flea (Invertebrate)  $EC_{50}$  (72 hr.): 500 mg/l Blue – green algae (Plant)

**12.2 Persistence and degradability:** Expected to be biodegradable.

**12.3 Bioaccumulation potential:**No information available
No information available.

12.5 Results of PBT and vPvB

This product is not, nor does it contain a substance that is a PBT or

**Assessment:** vPvB.

**12.6 Other adverse effects:** None known.

# 13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

## 14. Transport Information

**US DOT Domestic Ground**Type LOVOC is classified as a Combustible Liquid and is not regulated for Domestic ground transportation when shipped in non-bulk containers (< 400 containers).

Domestic ground transportation when shipped in non-bulk containers (< 400 liters/105.8 gallons per container). No special packaging, marking, labeling,

and paperwork requirements apply.

ICAO/IATA-DGR: UN 1993, Flammable Liquid, N.O.S., (Contains: Parachlorobenzotrifluoride,

D'limonene), Class 3, III

**IMDG:** UN 1993, Flammable Liquid, N.O.S., (Contains: Parachlorobenzotrifluoride,

D'limonene), Class 3, III

### 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 Acute Chronic Fire Pressure Reactive Section 311/312 Reporting No Yes Yes No No

CERCLA/SARA Sec 302 SARA Sec. 313
Components Hazardous Substance RQ EHS TPQ Toxic Release

Components are not affected by these Superfund regulations.

NFPA Ratings: Health: 1

Fire: 2 Reactivity: 0

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.

# **California Proposition** 65

WARNING: This product can expose you to para-chlorobenzo trifluoride which is known to the state of California to cause cancer. For more information, go to www.p65warnings.ca.gov.

### **European Union**

Product Name: Type LoVoC™ Low VOC Cleaner

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.

### **Australia**

All components are listed on the AICS.

Hazardous according to criteria of NOHSC Australia. Product classified as harmful (Xn).

### 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

LD<sub>50</sub> = 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

### **Hazard Statements:**

H226	Flammable liquid
H315	Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation
H335 May cause respiratory irritation

Revision Date: March 4, 2022

Revision Number: 8

Supersedes: September 3, 2020 Other: Not Applicable Indication of Changes: No changes.

Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and

Canada HPR (SOR/2015-17) (WHMIS 2015). (GHS format)

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