

# SAFETY DATA SHEET – SET

## Pad N Pole™ Sealant Type BRK Kit

**Product ID numbers:** BRK-250KIT1, BRK-250KITB6,  
BRK-XXX (where XXX is the package code.)



Date Compiled: 24 August 2017

### Supplier/Manufacturer:

**American Polywater Corporation**  
11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

**Polywater Europe BV**  
Zuidhaven 9-11 Unit B2  
4761 CR Zevenbergen  
Netherlands  
Tel: +31 (0)10 2330578  
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

BRK-A Pad N Pole Clear Part A SDS  
BRK-B Pad N Pole Clear Part B SDS  
HPWipe Cleaning Towelette

SDSs are classified according to EU Regulation (EC) No 1272/2008 and Australia WHS Regulation (2011).

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.

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name:**  
**Polywater® Pad N Pole Repair**  
**Type BRK (Part A) 10865 (Clear Formula)**

**Product ID numbers:** BRK-250KIT1, BRK-250KITB6,  
BRK-XXX (where XXX is the package code.)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Sealant/adhesive repair resin; Part A of two-part material

**List of advices against:** Not applicable.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier/Manufacturer:

**Polywater Europe BV**  
Zuidhaven 9-11 Unit B2  
4761 CR Zevenbergen  
Netherlands  
Tel: +31 (0)10 2330578  
Email: sds@polywater.com

**American Polywater Corporation**  
11222 - 60th Street North  
Stillwater, MN 55082  
USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

#### Local Contact Info

### 1.4 Emergency telephone numbers

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

**National Poison Information Centre (NVIC): +31(0)30 274 8888**  
**(Professional use for acute poisoning only, Netherlands.)**  
Insert local poison control information here.

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to EU Regulation (EC) No 1272/2008 and Australia WHS Regulation (2011).**

Skin Sensitization, Cat 1; H317

Acute Toxicity, Cat 4, H332

Target Organ Toxicity (single exposure), Cat 3; H335

### 2.2 Label elements

**Contains:** Hexamethylene diisocyanate oligomers, isocyanurate; Hexamethylene-di-isocyanate



**Pictograms:**

**Signal word:** Warning

**Hazard Statements:**

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

**Precautionary Statements:**

- 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.  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P304 + P340
- P362 +P364 Take off contaminated clothing and wash it before reuse.
- P501 Dispose of contents/container in accordance with local and national regulations.

**Notes:** Per Annex VI of EU Regulation (EC) No 1272/2008, Hexamethylene-di-isocyanate (HDI) concentrations below the 0.5% specific cut-off limit do not trigger Respiratory Sensitization (H334).

**2.3 Other hazards:** Persons already sensitized to diisocyanates should avoid using this product to avoid further developing allergies. Persons suffering from asthma, eczema or skin problems should avoid all contact with this product. This product should be used under proper ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

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

**3. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS #</u>	<u>EC No</u>	<u>Wt. %</u>	<u>GHS Classification</u>
Hexamethylene diisocyanate oligomers, isocyanurate	28182-81-2	500-060-2	≈100%	Skin Sens 1, Acute Tox 4, STOT SE 3
Hexamethylene-di-isocyanate	822-06-0	212-485-8	<0.5%	Acute Tox 3 (Inhl), Skin Sens 1, Skin Irrit 2, Eye Irrit 2, Resp Sens1, STOT SE 3

Skin Sens. 1; Specific Cut off limit: C ≥ 0,5 %  
Resp. Sens. 1; Specific Cut off limit:: C ≥ 0,5 %

**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. 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.
- Ingestion (Swallowing):** If swallowed, rinse mouth and drink plenty of water. Do not induce vomiting. If patient is conscious, wash out mouth with water. 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**

May cause allergic skin and respiratory reaction. 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, Carbon Dioxide, Dry Chemical or Foam.

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

**Hazardous decomposition and by-products:**

Carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapors.

**5.3 Advice for firefighters**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.

**6. Accidental Release Measures**

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

Wear full protective clothing, including appropriate respiratory protection.

**6.2 Environmental precautions:**

Prevent from entering waterways.

**6.3 Methods materials for containment and cleaning up:**

Spills expected to be small quantities. Collect excess material with absorbents or wipe with dry towels. Wash with a dilute ammonia solution.

**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**

Use and store this product with adequate ventilation. Avoid inhalation of vapors and 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 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:**

**All Isocyanates as NCO**

Country/Source	Long-term exposure limit 8 hr OEL, TWA	Short-term (ceiling) exposure limit – 15 min
U.K. EH 40 WEL	0,02 mg/ m <sup>3</sup>	0,07 mg/ m <sup>3</sup>
Australia OEL	0,02 mg/ m <sup>3</sup>	0,07 mg/ m <sup>3</sup>

**Hexamethylene diisocyanate oligomers, isocyanurate (28182-81-2)**

No OELs listed for this CAS #

**Hexamethylene diisocyanate (822-06-0)**

Country/Source	Long-term exposure limit 8 hr OEL, TWA	Short-term (ceiling) exposure limit – 15 min
ECHA - DNEL	0,035 mg/m <sup>3</sup>	--
Germany – AGS, DFG	0,005 ppm; 0,035 mg/ m <sup>3</sup>	0,005 ppm; 0,035 mg/ m <sup>3</sup>

France—INRS ED 984	0,01 ppm; 0,075 mg/ m <sup>3</sup>	0,02 ppm; 0,15 mg/ m <sup>3</sup>
Norway – labor inspection	0,005 ppm; 0,035 mg/ m <sup>3</sup>	--
Austria – GKV 2007	0,005 ppm; 0,035 mg/ m <sup>3</sup>	0,005 ppm; 0,035 mg/ m <sup>3</sup>
Sweden – AFS 2005	0,002 ppm; 0,02 mg/ m <sup>3</sup>	0,005 ppm; 0,03 mg/ m <sup>3</sup>
Switzerland— SuvaPro	0,02 mg/ m <sup>3</sup>	0,02 mg/ m <sup>3</sup>
Belgium—Official Gazette 2009	0,005 ppm; 0,034 mg/ m <sup>3</sup>	--
Spain—INSHT 2010	0,005 ppm; 0,035 mg/ m <sup>3</sup>	--
Australia OEL	Listed as all isocyanates as NCO (see above)	

**9. Physical and Chemical**

**9.1 Information of basic physical and chemical properties**

<b>Appearance:</b>	Colorless to pale yellow
<b>Odor threshold:</b>	None
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	-20°C
<b>Boiling point:</b>	150°C
<b>Flash point:</b>	>160°C (closed cup)
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Does not apply
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density (Air = 1):</b>	1,22 g/cm <sup>3</sup>
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	1,13 @ 25°C
<b>Solubility in water:</b>	Reacts
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	600 mPas @ 25°C

**9.2 Other Information**

<b>Volatiles (Weight %):</b>	0%
<b>VOC Content:</b>	0 g/l

**10. Stability and Reactivity**

**10.1 Reactivity:**

Reacts with water, reacts with substances which contain active hydrogen.

**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 freezing, high temperatures, flame, high humidity and water contamination.

**10.5 Incompatible materials :**

Water, alcohols, amines, acids, alkalis, metal compounds.

**10.6 Hazardous decomposition products:**

Carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapors.

**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:**

Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material. Allergic skin reaction symptoms include redness, swelling, blistering and itching.

**Irritation and Sensitization Potential:**

Product may be irritating to skin and eyes.

**Inhalation (Breathing):**

Material has low vapor pressure and inhalation hazard is expected to be minimal. Vapor exposure may cause irritation of the nose and throat. Symptoms may include burning sensation, coughing and shortness of breath, or other signs of respiratory distress. May cause allergic respiratory reaction below exposure guideline in susceptible individuals.

**Ingestion:**

Ingestion may cause irritation of the gastrointestinal tract.

**Toxicity to Animals:**

Hexamethylene diisocyanate oligomers, isocyanurate:	LD <sub>50</sub> (oral rat) >2500 mg/kg (OECD 423, female)
	LD <sub>50</sub> (dermal rabbit) >2000 mg/kg (OECD 402)
	LD <sub>50</sub> (dermal rat) >2000 mg/kg (OECD 402)
	LC <sub>50</sub> (inhl rat) 0,39 mg/L (OECD 403, female)
Hexamethylene-di-isocyanate:	LD <sub>50</sub> (oral rat) 746 mg/kg (OECD 401)
	LD <sub>50</sub> (dermal rabbit) >7000 mg/kg (OECD 402)
	LC <sub>50</sub> (inhl rat) 0,124 mg/L (OECD Guideline 403)

**Aspiration Hazard:**

No aspiration hazard expected.

**Chronic Exposure:**

**Reproductive Toxicity:** Product is not considered hazardous to reproduction.

**Mutagenicity:** Product is not considered to be genotoxic.

**Teratogenicity:** Not available.

**Specific Target Organ Toxicity (STOT)** Contains material which causes damage to the upper respiratory tract.

**Toxicologically Synergistic Products:** Not available.

**Carcinogenic Status:** Not considered a carcinogen by IARC, NTP, ACGIH, OSHA, or the EPA.

**Respiratory/Skin Sensitization**

May cause sensitization by inhalation and skin contact..

**12. Ecological Information**

**12.1 Toxicity:**

**Aquatic Toxicity:**

Hexamethylene diisocyanate oligomers, isocyanurate	EC <sub>10</sub> (72 hr): 370 mg/l <i>Desmodemus subspicatus</i> (algae)
Hexamethylene diisocyanate oligomers, isocyanurate	EL <sub>50</sub> (48 hr): 127 mg/l <i>Daphnia magna</i> (invertebrate)

Hexamethylene diisocyanate oligomers, isocyanurate	ErC <sub>50</sub> (0-72 hr): >1000 mg/l Desmodemus subspicatus (algae)
Hexamethylene diisocyanate oligomers, isocyanurate	LC <sub>50</sub> (96 hr): >82,8 mg/l Brachydanio rerio (fish)
Hexamethylene-di-isocyanate	ErC <sub>50</sub> (0-72 hr): 77,4 mg/l Desmodemus subspicatus (algae)
Hexamethylene-di-isocyanate	EC <sub>50</sub> (48 hr): 89,1 mg/l Daphnia magna (invertebrate)
Hexamethylene-di-isocyanate	LC <sub>50</sub> (96 hr): >82,8 mg/l Brachydanio rerio (fish)
Hexamethylene-di-isocyanate	NOEC (72 hr): 11,7 mg/l Desmodemus subspicatus (algae)
<b>12.2 Persistence and degradability:</b>	Not biodegradable
<b>12.3 Bioaccumulation potential:</b>	Accumulation in organisms is not to be expected.
<b>12.4 Mobility in soil:</b>	Adsorption to solid soil phase is not expected
<b>12.5 Results of PBT and vPvB Assessment:</b>	This product is not, nor does it contain a substance that is a PBT or vPvB.
<b>12.6 Other adverse effects:</b>	None known.

### 13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

### 14. Transport Information

<b>UN Number:</b>	Not Listed
<b>UN Proper shipping name:</b>	Not Applicable
<b>Transport hazard class(es):</b>	Not Applicable
<b>Packing group:</b>	Not Applicable
<b>Environmental hazards:</b>	None known
<b>Special precautions:</b>	None known
<b>TDG:</b>	Not Regulated
<b>ICAO/IATA-DGR:</b>	Not Regulated
<b>IMDG:</b>	Not Regulated
<b>ADR/RID:</b>	Not Regulated

### 15. Regulatory Information

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

##### 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  $\geq 0.1\%$  SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Meets labeling and kitting requirements found in Entry 56 of Annex XVII.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): Not listed.

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD): Not listed.

##### Germany

Water Classification VwVwS:  
WGK 1

**Country/Local Jurisdiction**

To Be Determined

**USA Federal and State**

All components are listed on the TSCA inventory.

**Canada**

All components are listed on the DSL inventory.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**15.2 Chemical Safety Assessment**

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

**16. Other Information**

<b>NFPA Ratings:</b>	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.

**Abbreviations and acronyms:**

- OSHA = Occupational Safety and Health Administration
- 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)

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

- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

**Classification Procedure**

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

**Revision Date:** 28 August 2017

**Revision Number:** 10 EU

**Supersedes:** 3 May 2017

**Other:** Not Applicable

**Indication of Changes:** Europe format, new formulation, part numbers May 2017.  
Written in accordance with the provisions of REACH Annex II (EU No 453/2010) and Australia WHS Regulation (2011). (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.



# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name:**  
**Polywater® Pad N Pole Repair**  
**Type BRK (Part B) 84247 (Clear Formula)**

**Product ID numbers:** BRK-250KIT1, BRK-250KITB6,  
BRK-XXX (where XXX is the package code.)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Sealant/adhesive repair resin; Part B of two-part material

**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 1-352-323-3500 (USA)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to OSHA 29 CFR 1910.1200.**

This mixture is not hazardous under OSHA 29 CFR 1910.1200.

### 2.2 Label elements

**Contains:** None required.

**Pictograms:** None required.

**Signal word:** None required.

**Hazard Statements:** None required.

**Precautionary Statements:** None required.

### 2.3 Other hazards:

No information available.

## 3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>Wt. %</u>	<u>GHS/CLP Classification</u>
Polycarbonate diol mixture	Proprietary	60 - 100	Non-hazardous
Dibutyltin dilaurate	77-58-7	<0.1%	Acute Tox. 4, Skin Corr 1C, Skin Sens 1, Repr. 1B, Muta 2, STOT SE 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1

## 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. 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.

**Ingestion (Swallowing):** If swallowed, get medical attention. Do not induce vomiting. If patient is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**4.2 Most important symptoms and effects, both acute and delayed**

No information available.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Water Fog, Carbon Dioxide, Dry Chemical or Foam.

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

**Hazardous decomposition and by-products:**

Carbon monoxide, carbon dioxide, phosphorus oxides, silicon dioxide, hydrogen chloride gas.

**5.3 Advice for firefighters**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.

**6. Accidental Release Measures**

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

Wear full protective clothing, including appropriate respiratory protection.

**6.2 Environmental precautions:**

Prevent from entering waterways.

**6.3 Methods materials for containment and cleaning up:**

Spills expected to be small quantities. Collect excess material with absorbents or wipe with dry towels. Wash with a dilute ammonia solution.

**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**

Use and store this product with adequate ventilation. Avoid inhalation of vapors and 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 dry, and away from excessive heat. Keep 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:**

Country/Source	Component	Long-term exposure limit 8 hr OEL, TWA	Short-term (ceiling) exposure limit – 15 min
USA – ACGIH TWA	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>
USA – OSHA Z1 PEL	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	--
USA – OSHA Z1A TWA	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	--
USA – NIOSH REL	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	--
USA CA OEL	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>
USA TN OEL	Dibutyltin dilaurate	0.1 mg/m <sup>3</sup>	--

**8.2 Exposure controls**

**Respiratory protection:**

Use with adequate ventilation to keep vapor concentration below acceptable limits.

**Protective gloves:**

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include neoprene, butyl rubber, Viton, Buna N, and chlorinated polyethylene.

**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**

<b>Appearance:</b>	Clear liquid
<b>Odor threshold:</b>	odorless
<b>pH:</b>	Not available
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Does not apply
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density (Air = 1):</b>	Not available
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	Not available
<b>Solubility in water:</b>	Not available
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

**9.2 Other Information**

<b>Volatiles (Weight %):</b>	0%
<b>VOC Content:</b>	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 freezing, high temperatures, and moisture.

**10.5 Incompatible materials :**

Isocyanates, strong oxidizing agents and strong bases.

**10.6 Hazardous decomposition products:**

Carbon monoxide, carbon dioxide, phosphorus oxides, silicon dioxide, hydrogen chloride gas.

**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 skin irritation

**Irritation and Sensitization Potential:**

May be a skin sensitizer.

**Inhalation (Breathing):**

May cause respiratory irritation.

**Ingestion:**

Low oral toxicity.

**Toxicity to Animals:**

Dibutyltin dilaurate	LD <sub>50</sub> (oral rat) >2,000 mg/kg
	LD <sub>50</sub> (dermal rabbit) > 2,000mg/kg

**Aspiration Hazard:**

No aspiration hazard expected.

**Chronic Exposure:**

**Reproductive Toxicity:** Not available.

**Mutagenicity:** Contains dibutyltin dilaurate, suspected of causing genetic defects.

**Teratogenicity:** Not available.

**Specific Target Organ Toxicity (STOT)** Not available.

**Toxicologically Synergistic Products:** Not available.

**Carcinogenic Status:** This mixture contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1% or greater.

**12. Ecological Information**

**12.1 Aquatic Toxicity:** No information available.

**12.2 Persistence and degradability:** No information available.

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

**12.4 Mobility in soil:** No information 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**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

UN Number: Not Listed  
 UN Proper shipping name: Not Applicable  
 Transport hazard class(es): Not Applicable  
 Packing group: Not Applicable  
 Environmental hazards: None known  
 Special precautions: None known  
 TDG: Not Regulated  
 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.

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<u>Acute</u> No	<u>Chronic</u> No	<u>Fire</u> No	<u>Pressure</u> No	<u>Reactive</u> No
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<u>Components</u>	<b>CERCLA/SARA Sec 302 Hazardous Substance RQ</b>	<b>EHS TPQ</b>	<b>SARA Sec. 313 Toxic Release</b>
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The components of Foam Sealant FST - Part B are not affected by these Superfund regulations.

**NFPA Ratings:**  
 Health: 1  
 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.

**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  $\geq 0.1\%$  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. 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:** None

**Revision Date:** May 3, 2017

**Revision Number:** 8

**Supersedes:** February 8, 2017

**Other:** Not Applicable

**Indication of Changes:** Written in accordance with the provisions of OSHA 1910.1200 App D (GHS format)  
New formulation, new name and part numbers.

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.

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name:**  
**Type HP™ Cleaner/Degreaser**  
**Saturated Towel/Wipe Package**

**Product ID numbers:** HP-1, HP-1B, HP-1M,  
HP-P158ID, HP-P158IDB, HP-P158IDM, HP-3P158IDS, HP-6P158ID,  
HP-P1K, HP-P63  
HP-D72, HP-D72E,  
HP-P31212, HP-P369,  
HP-T369, HP-T369/S, HP-T369/SH, HP-T369/SH48, HP-T369/S-D

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Electrical cleaning

**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 Sens 1 H317

Flam Liq 4 H227

### 2.2 Label elements

**Contains:** Petroleum distillates, hydrotreated light; d-Limonene



**Pictograms:**

**Signal word:** Warning

**Hazard Statements:**

H227 Combustible liquid  
H317 May cause an allergic skin reaction.

**Precautionary Statements:**

- P210 Keep away from flames and hot surfaces. No smoking.
- P261 Avoid breathing fumes.
- P280 Wear protective gloves.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local and national regulations.

**Notes:** Aspiration classification not applied due to the physical form of the product.

**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>
Petroleum distillates, hydrotreated light	64742-47-8	265-149-8	< 100	Asp. Tox. 1 H304; EUH066 Skin Irrit. 3 H316; Flam Liq 4 H227
d-Limonene	5989-27-5	227-813-5	< 10	Flam Liq 3, H226 Skin Irrit 2, H315 Skin Sens 1, H317 Aquatic Chronic 1, H410 Aquatic Acute 1, H400

**4. First Aid Measures**

**4.1 Description of first aid measures**

- Eye 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 generates CO, CO<sub>2</sub> and smoke. 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. Limited spill hazard with saturated towel package.

**6.2 Environmental precautions:**

Avoid release to the environment.

**6.3 Methods materials for containment and cleaning up:**

Collect towel and absorb any excess material with sand or absorbents.

**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. No smoking. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

**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:**

**Petroleum Distillates, hydrotreated light (64742-47-8)**

Country/Source	Long-term exposure limit – 8 hr TWA	Short-term exposure limit – 15 min
Manufacturer, RCP* TWA	1200 mg/m <sup>3</sup>	--
USA, ACGIH TWA	Not established	Not established
USA, OSHA PEL	2000 mg/m <sup>3</sup> , 500 ppm (as petroleum distillates (naphtha))	--
British Columbia	200 mg/m <sup>3</sup>	--
Alberta, Quebec, Yukon, Saskatchewan, Ontario*	Not established	--

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

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

\* reciprocal calculation procedure for total hydrocarbons

\*\* 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.

## 8.2 Exposure controls

### Respiratory protection:

Normal ventilation is adequate. 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 or CE approved) with particulate pre-filter, P100 or AP2.

### Protective gloves:

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

Suggested Material: Nitrile Rubber

Suggested Thickness: For short term contact (<15 minutes), splashes use 0.2 mm. For full contact use 0.4 mm

Exact break-through time has not been determined. Guidance is based on similar chemistry/material.

Maximum wearing time should be determined based on 50 % of the penetration time determined by EN 374 part III.

### 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 (bulk liquid)

<b>Appearance:</b>	Clear, colorless liquid with a very light citrus scent.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	<-58°F (<-50°C)
<b>Boiling point:</b>	365°F (185°C) Initial
<b>Flash point:</b>	>140°F (>60.5°C), Closed Cup (PMCC)
<b>Evaporation rate:</b>	<0.1 (n-butyl acetate = 1)
<b>Flammability (solid, gas):</b>	Not applicable to liquids
<b>Upper/lower flammability or explosive limits:</b>	LEL = 0.7% UEL = 6.1%-7.0%
<b>Vapor pressure:</b>	<1 mm Hg < 134 Pa @ 20°C
<b>Vapor density (Air = 1):</b>	> 1.0
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	0.79
<b>Solubility in water:</b>	Nil
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

### 9.2 Other Information

<b>Volatiles (Weight %):</b>	100%
<b>VOC Content:</b>	790 g/l

## 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 may cause an allergic skin reaction.

**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:**

Petroleum distillates, hydrotreated light:	LD <sub>50</sub> (oral rat) >5000 mg/kg
	LD <sub>50</sub> (dermal rabbit) >2000 mg/kg
	LC <sub>50</sub> (inhl rat) >4.3mg/L, 4 hours
d-Limonene:	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**

Liquid solvent has an aspiration hazard. This route of exposure is not expected for towelette form.

**Chronic Exposure:**

<b>Reproductive Toxicity:</b>	Not available.
<b>Mutagenicity:</b>	Not available.
<b>Teratogenicity:</b>	Not available.
<b>Specific Target Organ Toxicity (STOT)</b>	No end point data.
<b>Toxicologically Synergistic Products:</b>	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:**
  - Ecotoxicity:** No information available.
  - Aquatic Toxicity:** No information available.
- 12.2 Persistence and degradability:** Expected to be biodegradable.
- 12.3 Bioaccumulation potential:** No information available
- 12.4 Mobility in soil:** No information 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**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

- UN Number:** Not Listed
- UN Proper shipping name:** Not Applicable
- Transport hazard class(es):** Not Applicable
- Packing group:** Not Applicable
- Environmental hazards:** None known
- Special precautions:** None known
- TDG:** Not Regulated
- 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.

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<b><u>Acute</u></b> No	<b><u>Chronic</u></b> No	<b><u>Fire</u></b> Yes	<b><u>Pressure</u></b> No	<b><u>Reactive</u></b> No
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<b><u>Components</u></b>	<b><u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u></b>	<b><u>EHS TPQ</u></b>	<b><u>SARA Sec. 313 Toxic Release</u></b>
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Components are not affected by these Superfund regulations.

<b>NFPA Ratings:</b>	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.

**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  $\geq 0.1\%$  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 SDS contains all the information required by 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

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

H227 Combustible liquid

H317 May cause an allergic skin reaction.

**Classification Procedure**

Physical Testing

Calculation method.

**Revision Date:** July 31, 2017

**Revision Number:** 5 NA

**Supersedes:** January 2, 2015

**Other:** Not Applicable

**Indication of Changes:** Sections 1.1, 2, 8.1 updated: additional product codes, additional precautionary statements, and additional information on exposure limits.  
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.