

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name:**  
**Type GP™ Cleaner/Degreaser**

**Product ID numbers:** GP-XXX (Where XXX is the package code.)

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

**Identified uses:** Electrical cleaning and general purpose degreasing

**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).**

Flam Liq 3	H226
Asp. Tox. 1	H304
Skin Irrit 2	H315
Skin Sens 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 2	H410

### 2.2 Label elements

**Contains:** Isoalkanes, C9-C11; d-Limonene



#### Pictograms:

**Signal word:** Danger

#### Hazard Statements:

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Cause skin irritation
H317	May cause an allergic skin reaction

H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention  
 P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.  
 P501 Dispose of contents/container in accordance with local and national regulations.

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

**3. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>	<u>GHS/CLP Classification</u>
Isoalkanes, C9-C11	68551-16-6	271-365-3	< 70	Asp. Tox. 1 H304; Flam Liq 3 H225; EUH066; STOT SE 3 H336
d-Limonene	5989-27-5	227-813-5	< 55	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.**

Aspiration hazard. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

**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. 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. 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:**

**Isoalkane, C9-C11 (68551-16-6)**

Country/Source	Long-term exposure limit – 8 hr TWA	Short-term exposure limit – 15 min
Manufacturer, RCP* TWA	1200 mg/m <sup>3</sup>	--
Germany DFG**	350 mg/m <sup>3</sup> (vapor); 5 mg/m <sup>3</sup> (airborne particles)	700 mg/m <sup>3</sup> (vapor) 20 mg/m <sup>3</sup> (airborne particles)
Australia	Not established	Not established
USA, ACGIH TWA	Not established	Not established

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

Country/Source	Long-term exposure limit – 8 hr TWA	Short-term exposure limit – 15 min
Germany DFG**	28 mg/m <sup>3</sup>	112 mg/m <sup>3</sup>
Germany AFS	28 mg/m <sup>3</sup>	110 mg/m <sup>3</sup>
Finland	140 mg/m <sup>3</sup>	280 mg/m <sup>3</sup>
Switzerland	110 mg/m <sup>3</sup>	220 mg/m <sup>3</sup> (short term)

Norway***	140 mg/m <sup>3</sup>	--
Australia	Not established	Not established
ACGIH TWA	Not established	Not established
OSHA PEL	Not established	Not established

*\*reciprocal calculation procedure for total hydrocarbons*

*\*\*Deutsche forschungsgemeinschaft, German Research Foundation*

*\*\*\*Norwegian regulations on Measures and Limit Values for Physical and Chemical Factors in the Work Environment and Infection Risk Group for Biological Agents*

## 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 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:

Safety glasses recommended.

### 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

<b>Appearance:</b>	Clear, colorless liquid with light citrus scent.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	185°C Initial
<b>Flash point:</b>	50°C, Closed Cup (PMCC)
<b>Evaporation rate:</b>	<0,5 (n-butyl acetate = 1)
<b>Flammability (solid, gas):</b>	Not applicable to liquids
<b>Upper/lower flammability or explosive limits:</b>	LEL = 0.6% UEL = 7%
<b>Vapor pressure:</b>	<1 mm Hg < 134 Pa @ 20°C
<b>Vapor density (Air = 1):</b>	Not available
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	0,78
<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>	100%
<b>VOC Content:</b>	780 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 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:**

Isoalkanes, C9-C11:	LD <sub>50</sub> (oral rat) >5000 mg/kg
	LD <sub>50</sub> (dermal rabbit) >5000 mg/kg
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**

May be fatal if swallowed and enters airways based on physical-chemical properties of the material.

**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 Toxicity:****Ecotoxicity:** No information available.**Aquatic Toxicity, Isoalkanes, C9-C11:**

<b>Fish (acute)</b>	Practically non-toxic: LL/EL/IL50 > 100 mg/l NOEC/NOEL expected to be > 0,1 mg/l (based on modeled data)
<b>Fish (chronic)</b>	
<b>Aquatic crustacea (acute)</b>	Practically non-toxic: LL/EL/IL50 > 100 mg/l NOEC/NOEL expected to be > 0,1 mg/l (based on test data)
<b>Aquatic crustacea (chronic)</b>	
<b>Algae/aquatic plants (acute)</b>	Practically non-toxic: LL/EL/IL50 > 100 mg/l

**12.2 Persistence and degradability:** Expected to be biodegradable.**12.3 Bioaccumulation potential:** No information available**12.4 Mobility in soil:** Adsorbs to soil and has low mobility.**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**

<b>US DOT Domestic Ground Transportation:</b>	Type GP Cleaner/Degreaser is classified as a Combustible Liquid and is not regulated for 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.
<b>UN Number:</b>	UN 1993
<b>UN Proper shipping name:</b>	Flammable Liquid, N.O.S., (Contains: Isoalkanes, d-Limonene)
<b>Transport hazard class(es):</b>	Class 3
<b>Packing group:</b>	III
<b>Environmental hazards:</b>	Marine Pollutant
<b>Special precautions:</b>	None known
<b>ICAO/IATA-DGR:</b>	UN 1993, Flammable Liquid, N.O.S., (Contains: Isoalkanes, d-Limonene), Class 3, III
<b>IMDG:</b>	UN 1993, Flammable Liquid, N.O.S., (Contains: Isoalkanes, d-Limonene), Class 3, III

**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 ≥ 0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

**Australia**

All components are listed on the AICS.  
Hazardous according to criteria of NOHSC Australia.

**USA Federal and State**

All components are listed on the TSCA inventory.

**Canada**

All components are listed on the DSL inventory.

**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 Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H315 Cause skin irritation
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

**Classification Procedure**

- Physical Testing
- Calculation method.
- Calculation method.
- Calculation method.
- Calculation method.
- Calculation method.

**Revision Date:** 24 August 2017

**Revision Number:** 6 EU

**Supersedes:** 2 January 2015

**Other:** Not Applicable

**Indication of Changes:** Sections 1, 2, 8.1 updated: additional precautionary statements, and additional information on exposure limits, general format updates.  
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.