

# SAFETY DATA SHEET

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

### 1.1 Product identifier

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

**Product ID numbers:** HP-XXD (Where XXD is the package code.)

### 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:

**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.**

Asp Tox 1 H304  
Skin Sens 1 H317

### 2.2 Label elements

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



**Pictograms:**

**Signal word:** Danger

**Hazard Statements:**

H304 May be fatal if swallowed and enters airways  
H317 May cause an allergic skin reaction.

**Precautionary Statements:**

P280 Wear protective gloves.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 Do NOT induce vomiting.  
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.

**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	97 - 100	Asp. Tox. 1 H304; EUH066
d-Limonene	5989-27-5	227-813-5	< 2,5	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:**

**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>	--
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
USA, OSHA PEL	2000 mg/m <sup>3</sup> , 500 ppm (as petroleum distillates (naphtha))	--

**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 (CE or NIOSH 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. If contact with forearms is likely wear gauntlet style gloves.

Suggested Material: Nitrile Rubber

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

Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.

### 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 a very light citrus scent.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	<-50°C
<b>Boiling point:</b>	185°C Initial
<b>Flash point:</b>	>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>	< 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>	1,3 cSt (1,3 mm <sup>2</sup> /sec) at 20°C – 2,5 cSt (2.5 mm <sup>2</sup> /sec) at 20°C [ASTM D7042]

### 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.

<b>11. Toxicological Information</b>
--------------------------------------

**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**

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

**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 GHS, NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Toxicity:**

<b>Ecotoxicity:</b>	No information available.
<b>Aquatic Toxicity:</b>	No data available. May be toxic to aquatic life with long lasting effects.

**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**

<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 ≥ 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:**

CLP = Classification, Labeling and Packaging Regulation  
STOT = Specific Target Organ Toxicity  
LD<sub>50</sub> = Median Lethal Dose  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Chemical Substances  
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:**

H304 May be fatal if swallowed and enters airways  
H317 May cause an allergic skin reaction.

**Classification Procedure**

Calculation method.  
Calculation method.

**Revision Date:** 1 February 2018

**Revision Number:** 6 EU

**Supersedes:** 29 August, 2016

**Locale:** --

**Indication of Changes:** Section 1, 2, & 3 updated. Formula and part number codes adjusted. Hazard and precautionary codes updated.  
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.