

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name:
Type GP™ Cleaner/Degreaser
Saturated Wipe or Towel Package

Product ID numbers: GP-D72, GP-T369, GP-T369/S

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).

Flam Liq 3 H226

Skin Irrit 2 H315

Skin Sens 1 H317

2.2 Label elements

Contains:



Pictograms:

Signal word: Warning

Hazard Statements:

H226 Flammable liquid and vapor

H315 Cause skin irritation

H317 May cause an allergic skin reaction

Precautionary Statements:

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

P264 Wash hands thoroughly after handling.

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

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 |
| P362 + P364 | Take off contaminated clothing and wash it 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> |
|--------------------|--------------|-------------|----------------------|
| Isoalkanes, C9-C11 | 68551-16-6 | 271-365-3 | < 70 (< 25 gm/towel) |
| d-Limonene | 5989-27-5 | 227-813-5 | < 55 (< 20 gm/towel) |

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

Towelettes will ignite. If burning, smother or isolate from other flammable materials.

Hazardous decomposition and by-products:

Burning generates CO, CO₂ 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 (e.g. 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 ³ | -- |
| USA, ACGIH TWA | Not established | Not established |
| Alberta, British Columbia, Ontario, Quebec, Yukon, Saskatchewan* | 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, British Columbia, Ontario, Quebec, Yukon, Saskatchewan* | 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. 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

Appearance: Non-linting towel saturated with clear, colorless liquid with light citrus scent.

Odor threshold: Not available

pH: Does not apply

Freezing point: Not available

Boiling point: 365°F (185°C) Initial

Flash point: 123°F (50°C), Closed Cup (PMCC)

Evaporation rate: <0.5 (n-butyl acetate = 1)

Flammability (solid, gas): Not applicable to liquids

Upper/lower flammability or explosive limits: LEL = 0.6% UEL = 7%

Vapor pressure: <1 mm Hg < 134 Pa @ 20°C

Vapor density (Air = 1): Not available

Specific gravity (H₂O = 1): 0.78

Solubility in water: Not available

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

9.2 Other Information

Volatiles (Weight %): 100%

VOC Content: 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 ₅₀ (oral rat) >5000 mg/kg |
| | LD ₅₀ (dermal rabbit) >5000 mg/kg |
| d-Limonene: | LD ₅₀ (oral rat) >5000 mg/kg |
| | LD ₅₀ (dermal rabbit) 5000 mg/kg |
| | RD ₅₀ 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:

| | |
|------------------------------------|---|
| Fish (acute) | Practically non-toxic: LL/EL/IL50 > 100 mg/l NOEC/NOEL expected to be > 0.1 mg/l |
| Fish (chronic) | (based on modeled data) |
| Aquatic crustacea (acute) | Practically non-toxic: LL/EL/IL50 > 100 mg/l |
| Aquatic crustacea (chronic) | NOEC/NOEL expected to be > 0.1 mg/l |

(based on test data)

Algae/aquatic plants (acute) 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

- US DOT Domestic Ground Transportation:** 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.
- UN Number:** UN 3175
- UN Proper shipping name:** Solids Containing Flammable Liquid, N.O.S., (Contains: Isoalkanes, d-Limonene)
- Transport hazard class(es):** Class 4.1
- Packing group:** II
- Environmental hazards:** Marine Pollutant
- Special precautions:** None known
- ICAO/IATA-DGR:** UN 3175, Solids Containing Flammable Liquid, N.O.S., (Contains: Isoalkanes, d-Limonene), Class 3, III
- IMDG:** UN 3175, Solids Containing 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

USA Federal and State

All components are listed on the TSCA inventory.

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

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

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

Product Name: Type GP™ Cleaner/Degreaser, Saturated Towelette Package **Revision Date:** September 21, 2018

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm or has been assessed to be below OEHHA Safe Harbor exposure levels required for labeling.

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

LD₅₀ = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

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

- H227 Flammable liquid and vapor
- H315 Cause skin irritation
- H317 May cause an allergic skin reaction.

Classification Procedure

- Physical Testing
- Calculation method.
- Calculation method.

Revision Date: September 21, 2018

Revision Number: 8 NA

Supersedes: August 22, 2017

Other: Not Applicable

Indication of Changes: Section 3, 15 updated; format updates 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.