

SAFETY DATA SHEET

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

1.1 Product identifier

**Product Name: Type RP™
Rapid Power Electrical Cleaning Wipe**

Product ID numbers: RP-1, RP-1L
RP-XXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Utility Cleaner/Degreaser

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

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

Local Contact Information

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.)
Local Poison Control Information

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 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic Toxicity	H411

2.2 Label elements

Contains: 2-methylpentane, Low boiling point naphtha, 1-methoxypropan-2-ol



Pictograms:

Signal word: Danger

Hazard Statements:

H225	Extremely flammable liquid and vapor.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P210 Keep away from sparks, flames and hot surfaces. No smoking.
- P280 Wear protective gloves.
- P303 + P361 + P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P273 Avoid release to the environment.

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>
2-methylpentane	107-83-5	203-523-4	40 - 60%	Flam Liq 2, H225; Asp Tox 1, H304; Skin Irrit 2, H315 STOT SE 3, H336
Low boiling point naphtha	64742-89-8	265-192-2	40 - 60%	Flam Liq 2, H225; Asp Tox 1, H304; Skin Irrit 2, H315 STOT SE 3, H336
1-methoxypropan-2-ol	107-98-2	203-539-1	<10%	Flam Liq 3, H226; STOT SE 3, H336

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 unless directed to do so by medical personnel. Get medical attention if symptoms appear.

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 carbon monoxide, carbon dioxide.

5.3 Advice for firefighters

Wear appropriate, 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. 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. 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.

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. Use only outdoors or in a well-ventilated area. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities

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

7.3 Specific end uses

See technical data sheet on this product for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

2-methylpentane (107-83-5)

Germany DFG*	500 ppm,1800 mg/m ³ (8 hr)
Austria	200 ppm,715 mg/m ³ (8 hr); 800 ppm, 2860 mg/m ³ (15 min)
Finland	500 ppm,1800 mg/m ³ (8 hr); 630 ppm, 2300 mg/m ³ (15 min)
Switzerland	500 ppm,1800 mg/m ³ (8 hr); 1000 ppm, 3600 mg/m ³ (15 min)
Sweden	200 ppm,700 mg/m ³ (8 hr); 300 ppm, 1100 mg/m ³ (15 min)
USA (ACGIH, OSHA)	500 ppm (8 hr); 1000 ppm (15 min)

Low boiling point naphtha (64742-89-8)

No information available.

1-methoxypropan-2-ol (107-98-2)

EU Work Program (SCOEL**)	375 mg/m ³ (8hr); 563 mg/m ³ (15 min)
Social Affairs Work Program 1988	375 mg/m ³ (8hr)
REACH DNEL	369 mg/m ³ (8hr)
Germany AGS	100 ppm, 370 mg/m ³ (8 hr)
Denmark WEA	50 ppm, 185 mg/m ³ (8 hr)
Finland	100 ppm, 370 mg/m ³ (8 hr); 150 ppm, 560 mg/m ³ (15 min)

France	50 ppm, 188 mg/m ³ (8 hr); 100 ppm, 375 mg/m ³ (15 min)
UK	100 ppm, 375 mg/m ³ (8 hr); 150 ppm, 560 mg/m ³ (15 min)
Norway	50 ppm, 180 mg/m ³ (8 hr)
Austria	50 ppm, 187 mg/m ³ (8 hr); 50 ppm, 187 mg/m ³ (15 min)
Sweden	50 ppm, 190 mg/m ³ (8 hr); 75 ppm, 300 mg/m ³ (8 hr)
Switzerland	100 ppm, 360 mg/m ³ (8 hr); 200 ppm, 720 mg/m ³ (15 min)
Belgium	100 ppm, 375 mg/m ³ (8 hr); 150 ppm, 568 mg/m ³ (15 min)
Spain	100 ppm, 375 mg/m ³ (8 hr); 150 ppm, 568 mg/m ³ (15 min)
USA (ACGIH)	100 ppm (8 hr); 150 ppm (15 min)

***deutsche forschungsgemeinschaft, German Research Foundation

** Scientific Committee for Occupational Exposure Limits

8.2 Exposure controls

Respiratory protection:

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.

Protective gloves:

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

Suggested Material: Nitrile Rubber

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

Suggested Thickness: 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:	Clear, colorless liquid; mild odor.
Odor threshold:	Not available
pH:	Does not apply
Freezing point:	Not available
Boiling point:	62°C (initial)
Flash point:	-7°C (TCC)
Evaporation rate:	>2 (n-butyl acetate = 1)
Flammability (solid, gas):	Not applicable to liquids
Flammability limits:	LEL: 1,2%
Vapor pressure:	Not available
Vapor density (Air = 1):	>1(Air = 1)
Specific gravity (H₂O = 1):	0,72
Solubility in water:	Not available
Coefficient of Water/Oil	
Distribution:	Not available
Auto-ignition temperature:	Not available

Decomposition temperature: Not available

Viscosity: Not available

9.2 Other Information

Volatiles (Weight %): 100%

VOC Content: 720 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 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).

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:

2-methylpentane No Data Available

Low boiling point naphtha LD₅₀ (oral rat) >5,000 mg/kg

LD₅₀ (dermal rabbit) >2,000 mg/kg

Rabbit 4 hr exposure: Irritating to skin, irritating to eyes

1-methoxypropan-2-ol LD₅₀ (oral rat) 6,100 mg/kg

LD₅₀ (dermal rabbit) 13,000 mg/kg

LC₅₀ (inhl rat) >6 mg/l

Chronic Exposure:

Reproductive Toxicity: No data available.

Mutagenicity:	No data available
Teratogenicity:	No data available
Specific Target Organ Toxicity (STOT)	No end point data.
Toxicologically Synergistic Products:	Not available.
Carcinogenic Status:	
IARC	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

12. Ecological Information

12.1 Ecotoxicity:	
Aquatic Toxicity:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2-methylpentane	No Data Available
Low boiling point naphtha	96 h LC ₅₀ Oncorhynchus mykiss (Rainbow Trout) 8.2 mg/l 48 h EC ₅₀ Daphnia magna (water flea) 4.5 mg/l 96 h EC ₅₀ Pseudokirchneriella subcapitata (green algae) 3.7 mg/l
1-methoxypropan-2-ol	96 h LC ₅₀ Pimephales promelas (Fathead Minnow) 20,800 mg/l 48 h LC ₅₀ Daphnia magna (water flea) 23,300 mg/l 7 d EC ₅₀ Pseudokirchneriella subcapitata (green algae) > 1000 mg/l
12.2 Persistence and degradability:	Expected to be biodegradable
Low boiling point naphtha	77% biodegradable, 28 d exposure time, method: OECD 301E
1-methoxypropan-2-ol	96% biodegradable, 28 d exposure time, method: OECD 301E
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

US DOT Domestic Ground Transportation:	Not Regulated (See Special Provision 47).
UN Number:	3175
UN Proper shipping name:	Solids Containing Flammable Liquid, N.O.S., (Contains: 2-methylpentane, Low boiling point naphtha)
Transport hazard class(es):	Class 4.1
Packing group:	II
Environmental hazards:	None known
Special precautions:	None known

ICAO/IATA-DGR: Not Regulated (See Special Provision A46)

IMDG: Not Regulated (See Special Provision 216)

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. 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.

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

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Locale: --

Indication of Changes: Sections 1.4, 8.1, 9, 15 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.