SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: Type RP™
Rapid Power Electrical Cleaner

Product ID numbers: 84351, RP Solvent
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

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 2	H225
Asp. Tox 1	H304
Skin Irrit. 2	H315
STOT SE 3	H336

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
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness

Precautionary Statements:

P210	Keep away from sparks, flames and hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.

P241	Use explosion proof electrical ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapor.
P264	Wash hands thoroughly after handling.
P271	Use in a well-ventilated area.
P280	Wear protective gloves.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P332 + P313	If skin irritation occurs: get medical attention.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a doctor if you feel unwell.
P370 + P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.
P403 + P233 + P235	Store in a well-ventilated place. Keep container tightly Keep cool.
P501	Dispose of contents/container in accordance with local and national regulations.

2.3 Other hazards: No information available.

3. Composition/Information on Ingredients

Component	CAS #	EC #	Wt. %
2-methylpentane	107-83-5	203-523-4	40 - 60%
Low boiling point naphtha	64742-89-8	265-192-2	40 - 60%
1-methoxypropan-2-ol	107-98-2	203-539-1	<10%

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.

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 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. 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. 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)

Country/Source	Long-term exposure limit – 8 hr. TWA	Short-term exposure limit – 15 min
USA, ACGIH TWA*	500 ppm	1000 ppm
USA, OSHA PEL	500 ppm	1000 ppm
USA, NIOSH	100 ppm / 1800 mg/m^3	--
Alberta, OEL	500 ppm / 1760 mg/m^3	1000 ppm / 3500 mg/m^3

Low boiling point naphtha (64742-89-8)

No information available

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

USA, ACGIH TWA*	100 ppm	150 ppm

Alberta, OEL	100 ppm / 369 mg/m^3	150 ppm / 553 mg/m^3
British Columbia, OEL	50 ppm	75 ppm
Ontario, OEL	50 ppm	100 ppm
Quebec, OEL	100 ppm / 369 mg/m^3	150 ppm / 553 mg/m^3
Saskatchewan, OEL	100 ppm	150 ppm

** Manitoba, Newfoundland and Labrador, Nova Scotia, and Prince Edward Island are all based on the current ACGIH TLVs. British Columbia is based on current ACGIH TLV unless otherwise noted. 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-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

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:	Clear, colorless liquid; mild odor.
Odor threshold:	Not available
pH:	Does not apply
Freezing point:	Not available
Boiling point:	144°F / 62°C (initial)
Flash point:	19°F / -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 (H_2O = 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	LD_{50} (oral rat) >5,000 mg/kg
	LD_{50} (dermal rabbit) >2,000 mg/kg
	Rabbit 4 hr. exposure: Irritating to skin, irritating to eyes
1-methoxypropan-2-ol	LD_{50} (oral rat) 6,100 mg/kg
	LD_{50} (dermal rabbit) 13,000 mg/kg
	LC_{50} (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

UN Number:	1993
UN Proper shipping name:	Flammable Liquid N.O.S. (Contains: 2-methylpentane, Low boiling point naphtha)
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	None known
Special precautions:	None known
ICAO/IATA-DGR:	Flammable Liquid N.O.S. (Contains: 2-methylpentane, Low boiling point naphtha) 3; UN1993; PGII
IMDG:	UN 1993, Flammable Liquid N.O.S. (Contains: 2-methylpentane, Low boiling point naphtha) 3; PGII

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	Acute	Chronic	Fire	Pressure	Reactive
	Yes	Yes	Yes	No	No

Components	CERCLA/SARA Sec 302 Hazardous Substance RQ	CERCLA/SARA Sec 302 EHS TPQ	SARA Sec. 313 Toxic Release

Components are not affected by these Superfund regulations.

NFPA Ratings:	Health:	2
	Fire:	3
	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
WARNING: This product can expose you to benzene, ethylbenzene, and naphthalene which are known to the state of California to cause cancer, and toluene and benzene which are known to the State of California to cause birth defects and/or other reproductive harm. For more information, go to www.p65warnings.ca.gov.

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.

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.

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_{50} = 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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Supersedes:	August 24, 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.