

Section 1 Identification of the Material and the Supplier

Product: Propspeed Propprep

Product Code: Propprep 1 Litre: PP1L, 784-1LTR, 500 mL: PP500, 784-500, Wipes: PPWIPE10. As Propspeed kits: RPS500 (500ml), RPS200 (200mL), PSLKIT, PSMKIT, PSSKIT, PSCKIT

Product Use: Specialised metal surface treatment used prior to coating.

Restrictions of Use: Refer to Section 15

Supplier: **Propspeed USA Inc.**
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San Antonio, TX 78259
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www.propspeed.com
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Emergency Response Telephone: (24 hours, 365 days) +USA & Canada - Call CHEMTREC // Toll Free: 1-800-424-9300/
+1-703-527-3887

New Zealand 0800 243 622
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NZ National Poisons Centre Telephone: 0800 POISON (0800 764 766)

Date of SDS Preparation: 01 August 2018, Version 3

Section 2 Hazards Identification

Hazardous Status: This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning products (Corrosive, combustible) – HSR002527

GHS Pictograms:



Corrosive

GHS Signal Word: **Danger**

| HSNO Classification | Hazard Code | Hazard Statement | GHS Category |
|---------------------|-------------|--|---------------|
| 3.1D | H227 | Combustible liquid. | Flam. Liq. 4 |
| 6.1E (oral) | H303 | May be harmful if swallowed. | Acute Tox. 5 |
| 8.1A | H290 | May be corrosive to metals. | Met. Corr. 1 |
| 8.2C | H314 | Causes severe skin burns and eye damage. | Skin Corr. 1C |
| 8.3A | H318 | Causes serious eye damage. | Eye Corr. 1 |
| 9.3C | H433 | Harmful to terrestrial vertebrates. | |

| Prevention Code | Prevention Statement |
|-----------------|---|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P210 | Keep away from heat, sparks, open flames or hot surfaces. No smoking. |
| P234 | Keep only in original container. |
| P260 | Do not breathe fumes, vapours or spray. |
| P264 | Wash hands thoroughly after handling. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective clothing as detailed in Section 8. |

| Response Code | Response Statement |
|------------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P363 | Wash contaminated clothing before reuse. |
| P390 | Absorb spillage to prevent material damage. |
| P301 + P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303 + P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304 + P340 | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P370 + P378 | In case of fire: Use water fog for extinction. |

| Storage Code | Storage Statement |
|--------------|--|
| P405 | Store locked up. |
| P406 | Store in corrosive resistant container with a resistant inner liner. |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |

| Disposal Code | Disposal Statement |
|---------------|---|
| P501 | Dispose of according to local regulations |

Section 3 Composition / Information on Hazardous Ingredients

| Ingredients | Wt (%) | CAS Number |
|----------------------|------------|-------------|
| Phosphoric acid | 20% | 7664-38-2 |
| 2-Butoxyethanol | <10% | 111-76-2 |
| Nonionic Surfactants | <5% | Proprietary |
| Water | To balance | 7732-18-5 |

Section 4 First Aid Measures

| | |
|------------|---|
| If in Eyes | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed. |
| If on Skin | Wash with soap and water. Remove/Take off immediately all contaminated clothing. Rinse |

skin with water/shower. Get medical attention if needed.

If Swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Call a physician immediately.

If Inhaled Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if needed.

Advice to doctor Treat symptomatically, as for phosphoric acid.

First aid facilities Eye wash and safety shower

Most important symptoms and effects, both acute and delayed

Symptoms

Ingestion: May be harmful if swallowed.

Inhalation: Not applicable.

Skin: Causes severe skin burns and eye damage.

Eye: Causes serious eye damage

Chronic: **Not applicable**

Section 5 Fire Fighting Measures

| | |
|---|---|
| Hazard Type | Combustible |
| Hazards from decomposition products | Contact with most common metals may generate hydrogen, a flammable gas. |
| Suitable Extinguishing media | Water fog |
| Precautions for firefighters and special protective clothing | If product involved in fire, then firefighters must be warned of highly corrosive nature of material. Wear chemical splash suit including boots. Keep containers cool to minimise further damage. Keep spillage away from aluminum or zinc containers and fittings. |
| HAZCHEM CODE | 2R |

Section 6 Accidental Release Measures

Wear protective PVC gloves, chemical goggles and PVC boots. Contain spill with earth and sand. Where practical, transfer spilt material to clean polyethylene containers for disposal. Transfer contaminated earth or sand into polyethylene containers for disposal. Neutralise residual acid with soda ash or lime. Wash down area with excess water.

Do not allow to drain or watercourse. Dispose of solid residues in chemical waste disposal area in accordance with relevant Local Council requirements. Use licensed trade waste contractor to dispose of all chemical residues.

Section 7 Handling and Storage

Precautions for safe handling:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep only in original container.
- Do not breathe fumes, vapours or spray.

- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Conditions for safe storage:

- Store indoors in a dry, well-ventilated area. Keep cool.
- Keep containers tightly sealed when not in use.
- Protect from physical damage.
- Store in corrosive resistant container with a resistant inner liner.
- Store away from incompatible materials as detailed in Section 10.
- Store locked up.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA | | STEL | |
|--------------------------------------|-----|-------------------|------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |
| Phosphoric Acid [7664-38-2] | | 1 | | |
| 2-Butoxyethanol (skin) [111-76-2] | 25 | 121 | | |

NZ Workplace Exposure Standard and Biological Exposure Indices - Nov 2017. *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls:

A local mechanical exhaust system is required where vapour or mist is being generated. An eye wash bottle must be available at the work site.

Personal Protection Equipment



| | |
|-------------|--|
| Respiratory | If inhalation risk exists, wear respirator or air-wash hood complying with the requirements of AS 1715 and AS 1716. |
| Hands | Wear impervious gloves. |
| Eyes | Tight fitting safety goggles or face shield should be used. Avoid wearing contact lenses. |
| Skin | Wear full protective overalls and rubber boots. |
| Hygiene | Exercise proper industrial hygiene practices. Wash after handling, especially before eating, smoking or drinking. Contaminated clothing should be immediately removed. |

Section 9 Physical and Chemical Properties

| | |
|-----------------|---------------|
| Appearance | Liquid |
| Colour | Colourless |
| Odour | Solvent |
| Odour Threshold | Not available |

| | |
|----------------------------------|--------------------------------|
| pH | < 2 @ 20°C |
| Boiling Point | >100°C |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | 64°C |
| Flammability | Combustible |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Relative Vapour Density | Not available |
| Specific Gravity | 1.10 – 1.20 g.cm ⁻³ |
| Water Solubility | Completely miscible with water |
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available |
| Particle Characteristics | Not available |

Section 10 Stability and Reactivity

| | |
|---|--|
| Stability of Substance | Stable under normal usage conditions. |
| Possibility of hazardous reactions | Not Available |
| Conditions to Avoid | Heat, flames and other sources of ignition. |
| Incompatible Materials | Keep away from alkalis, foodstuffs and empty foodstuff receptacles, and strong oxidizing agents. |
| Hazardous Decomposition Products | Contact with metals may generate hydrogen, a flammable gas |

Section 11 Toxicological Information

Acute Effects:

| | |
|------------|---|
| Swallowed | May be harmful if swallowed. Causes severe irritation or burns to the throat and gastrointestinal tract. Concentrated solutions are moderately toxic. |
| Dermal | Not applicable. |
| Inhalation | Not applicable. |
| Eye | Causes serious eye damage. |
| Skin | Causes severe skin burns and eye damage. |

Chronic Effects:

| | |
|------------------------|-----------------|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | Not applicable. |
| STOT/SE | Not applicable. |
| STOT/RE | Not applicable. |

Ingredient Data

Acute Oral Toxicity

Phosphoric Acid LD50(Rat) = 1530 mg/kg

Acute Dermal Toxicity

Phosphoric Acid

LD50 (Rabbit) = 2740 mg/kg

Section 12 Ecotoxicological Information**HSNO Classifications:** 9.3C = Harmful to terrestrial vertebrates.**Toxicity:** LD50(Rat): 1530mg/kg**Environmental Precautions**

| | |
|--------------------------------------|-------------------|
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Do not allow to enter waterways.

Section 13 Disposal Considerations**Disposal Method:**

Spent media that has removed toxic chemicals should be examined for specific hazards. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Combustible, Corrosive" and that the label also has the Corrosive pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.**Section 14 Transport Information**

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012



| | Road and Rail | Marine Transport (IMDG) | Air Transport (IATA) |
|----------------------|------------------------------------|------------------------------------|------------------------------------|
| UN No | 1805 | 1805 | 1805 |
| Proper Shipping Name | PHOSPHORIC ACID SOLUTION (20% w/w) | PHOSPHORIC ACID SOLUTION (20% w/w) | PHOSPHORIC ACID SOLUTION (20% w/w) |
| Class | 8 | 8 | 8 |
| Packing Group | III | III | III |
| Hazchem | 2R | 2R | 2R |
| Marine Pollutant | - | No | - |

Limited Quantities Statement:

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products (Corrosive, Combustible) – HSR002527

HSNO Classes: 3.1D, 6.1E(oral), 8.1A, 8.2C, 8.3A, 9.3C.

HSNO Controls

Trigger quantities for this substance:

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|------------------------------------|
| Certified Handler | Not required |
| Location Certificate | Not required |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 1000L (8.1A/C, 8.3A) |
| Emergency Response Plan | 10 000L (3.1D, 8.2C) |
| Secondary Containment | 10 000L (3.1D, 8.2C) |
| Fire Extinguishers | Not required |
| Restriction of Use | Only use for the intended purpose. |

Section 16 Other Information

Glossary

| | |
|---------|---|
| EC50 | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms |
| HSW | Health and Safety at Work. |
| LC50 | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD50 | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| STOT/SE | Specific target organ toxicity – single exposure |
| STOT/RE | Specific target organ toxicity – repeated exposure |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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