

Section 1. Identification of the material and the supplier

Product: Propspeed Propprep
Product Code: Propprep 1 Litre: 784-1LTR, PP1L. 500 mL: 784-500, PP500.
Wipes: PPW10, PPWIPE10.
As Propspeed kits: RPS500 (500ml), RPS200 (200mL), PSLKIT, PSMKIT, PSSKIT, PSCKIT

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

New Zealand Supplier: Propspeed International Ltd
23 Akatea Road
Glendene
Auckland 0602
www.propspeed.com
Email: info@propspeed.com

Telephone: +64 9 524 1470
Fax: +64 9 813 5246

Australian Supplier: 18/5 Daintree Place,
West Gosford,
NSW 2250, Australia

Telephone: 1800 677 436

Emergency Response Telephone: New Zealand: 0800 243 622
Australian 1800 127 406
(24 hours, 365 days) Global Access +64 4 917 9888 (ChemCall)

Date of SDS Preparation: 15 September 2021

Section 2. Hazards Identification

Australia:
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

New Zealand:
This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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

Pictograms:



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 4	H227	Combustible liquid.
Corrosive to metals Cat. 1	H290	May be corrosive to metals.

Acute Toxicity	H302, H312, H332	Harmful if swallowed, Harmful in contact with skin, Harmful if inhaled.
Skin corrosion Cat. 1C	H314	Causes severe skin burns and eye damage.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to terrestrial vertebrates	H433	Hazardous 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.
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. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Wash with soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

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 the 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:	Not applicable.
Inhalation:	Not applicable.
Skin:	Causes severe skin burns.
Eye:	Causes serious eye damage.

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	CAS #	TWA ppm	mg/m ³	ppm	STEL mg/m ³
Phosphoric Acid	7664-38-2	-	1	-	-
2-Butoxyethanol	111-76-2	25	121	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). 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. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

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



Eyes	Tight fitting safety goggles or face shield should be used. Avoid wearing contact lenses.
Hands	Wear impervious gloves.
Skin	Wear full protective overalls and rubber boots.
Respiratory	If inhalation risk exists, wear respirator or air-wash hood complying with the requirements of AS 1715 and AS 1716.
General	These precautions are for handling the product in normal conditions and application techniques. This product must not be sprayed during application.
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 conditions of temperature and pressure.
Possibility of hazardous reactions	Not available.
Conditions to Avoid	Heat, flames and other sources of ignition.
Incompatible Materials	Keep away from alkalies, 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	Not triggered however, 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.

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) = 1530mg/kg

Acute Dermal Toxicity

Phosphoric acid = LD₅₀ (Rabbit) = 2740mg/kg

Section 12. Ecotoxicological Information

Hazardous to terrestrial vertebrates.

Toxicity: LD₅₀(Rat): 1530mg/kg

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. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. 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

Australia - This product is classified as **Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

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



Road, Rail, Sea and Air Transport

UN No	1805
Class – Primary	8
Packing Group	III
Proper Shipping Name	PHOSPHORIC ACID, SOLUTION (10% w/w)
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L, 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

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a **Schedule 5** Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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

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
Emergency Response Plan	10 000L
Secondary Containment	10 000L
Fire Extinguisher Quantities	250L – 2x
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.

LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 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

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand Manufacturer or Australian supplier, if further information is required.

Issue Date: 15 September 2021 Review Date: 15 September 2026