PROPPREP
Safety Data Sheet

Section 1 - Identification of the Material and the Supplier

1.1 Product identifier

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

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Specialised metal surface treatment used prior to coating.

Restrictions of use Refer to Section 15

1.3 Details of the supplier of the Safety Data Sheet

Supplier
Propspeed International Ltd
PO Box 83232
Edmonton
Auckland
New Zealand
www.propspeed.com

Telephone +64 9 524 1470
Telefax +64 9 813 5246

E-mail (competent person) info@propspeed.com

1.4 Emergency telephone number

Emergency number (24h/24 – 365 d/year)	New Zealand	0800 243 622
	Australian	1800 127 406
	Global Access	+ 64 4 917 988

NZ National Poisons Centre Telephone +64 4 917 9888 (ChemCall)

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

Irritant

GHS Signal word: **Danger**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1D	H227	Combustible liquid.	Flam. Liq. 4
6.1D	H302 H312 H332	Harmful if swallowed, in contact with skin or if inhaled.	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 ingredients

Hazard Component

Ingredient name	**CAS No.**	**Content Weight%**
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 – Firefighting 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.m³	ppm	mg.m³
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 @ 200C
Boiling point	>1000C
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.
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 – Ecotocicological 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 number	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

Reference:

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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