



SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Propspeed Propprep

Proper Shipping Name: PHOSPHORIC ACID, SOLUTION (10% w/w)

Use: Specialised acid cleaner and deruster.

Supplier: Oceanmax International Ltd
Po Box 98
Westpark Marina
Hobsonville
Auckland

Emergency Contact Details: 0800 CHEMCALL (0800 243 622)
For any Hazardous Substance Emergency
(24 hours, 365 days)

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:
Hazardous according to the criteria of HSNO.

HSNO CLASSIFICATION:

6.1E (dermal) Warning, may be harmful in contact with skin.
6.1D (oral) Warning, harmful if swallowed.
8.1A Warning, may be corrosive to metals
8.2C Danger, causes severe skin burns and eye irritation.
8.3A Danger, causes serious eye damage.
9.1D Toxic to aquatic life. May cause long lasting effects.
9.3C Harmful to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P234 Keep only in original container.
P260 Do not breathe dust/fumes/gas/mist/vapours/spray.
P264 Wash hands, arms and face thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear suitable protective equipment. Refer to Section 8.

RESPONSE:

P101 If medical advice is needed, have product container or label at hand.
P301+P310 **IF SWALLOWED:** Immediately call POISON CENTRE or doctor/physician.
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.

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P304+P312
P304+P340

IF INHALED: Call a POISON CENTRE or doctor/physician if you feel unwell.
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 at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310
P312
P321
P331
P363
P390

Immediately call a POISON CENTRE or doctor/physician.
Call a POISON CENTRE or doctor/physician if you feel unwell.
Refer Section 4 of this Safety Data Sheet for more information.
Do NOT induce vomiting.
Wash contaminated clothing before re-use.
Absorb spillage to prevent material damage.

DANGEROUS GOOD INFORMATION:

Classified as Dangerous Goods according to the criteria of the New Zealand Code for the Transport of Dangerous Goods on Land (NZS5433:Part 2:2007).

DG Class: 8 (Corrosive)
Subsidiary Risk: -

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Phosphoric acid	[7664-38-2]	20% w/w
2-Butoxyethanol	[111-76-2]	low, less than 10% w/w
Nonionic Surfactant		low, less than 5% w/w
Water		to 100%

SECTION 4. FIRST AID MEASURES

- Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician. Have product label or container at hand.
- Skin:** Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water for at least 15 minutes. Immediately call a POISON CENTRE or doctor/physician. Have product label or container at hand.
- Eyes:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. Have product label or container at hand.
- Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician. Have product label of container at hand.
- Advice to doctor:** Treat symptomatically, as for phosphoric acid.
- First Aid facilities:** Eye wash and safety shower.

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SECTION 5. FIRE FIGHTING MEASURES

Fire of flammability hazards: Non-combustible. Contact with most common metals may generate hydrogen, a flammable gas.

Suitable extinguishing media: Water fog.

HAZCHEM Code: 2R

Hazardous decomposition/combustion products: Under fire conditions, may produce hydrogen fume.

Precautions for fire fighters and special protective equipment: 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 aluminium or zinc containers and fittings.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Trigger quantities beyond which site and storage conditions apply

	Trigger Quantity
Response plans and secondary containment	10,000L or 10,000kg
Signage	1,000L or 1,000kg

Spills: 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

Safe Handling: Read label and safety data sheet before use. Keep out of reach of children. Do not breathe vapour or mist. Use only outdoors or in a well-ventilated area. Keep only in original container. Avoid release to the environment. Observe personal protective equipment requirements detailed in Section 8. Wash hands thoroughly after handling.

Storage: Store indoors in a dry, well ventilated area. Keep containers tightly sealed when not in use. Protect from physical damage. Keep in original container. Store away from incompatible materials.

Packaging: 1L HDPE Bottle
Propprep wipes 50mls/bag.
500ml HDPE Bottle

Trigger quantities beyond which site and storage conditions apply.

	Trigger Quantity
Response plans and secondary containment	10,000L or 10,000kg
Signage	1,000L or 1,000kg

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- National exposure standards:** TWA: 1mg/m³ as phosphoric acid
- Engineering controls:** A local mechanical exhaust system is required where vapour or mist is being generated.
- Personal protective equipment:** Use good industrial hygiene. Avoid all contact, wear full protective clothing, rubber boots, impervious gloves and chemical goggles or full face shield. Use with adequate ventilation. If inhalation risk exists, wear respirator or air-wash hood complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical data:**
- Appearance: Clear liquid.
- Specific gravity: 1.10-1.20 @ 20°C
- Solubility: Completely miscible with water
- pH (concentrate): Less than 2 @ 20°C
- Boiling point: Greater than 100°C

SECTION 10. STABILITY AND REACTIVITY

- Chemical stability:** Stable under normal conditions of temperature and pressure
- Conditions to avoid:** Avoid heat sources.
- Incompatible materials:** Keep away from alkalis, foodstuffs and empty foodstuff receptacles, and strong oxidizing agents.
- Hazardous decomposition products:** Not known
- Hazardous reactions:** Contact with metals may generate hydrogen, a flammable gas.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

- Acute:**
- Ingestion:** Causes severe irritation or burns to the throat and gastrointestinal tract. Concentrated solutions are moderately toxic.
- Skin:** Contact with the skin may cause severe irritation or burns.
- Eyes:** Liquid contact with the eyes may cause severe irritation or serious eye damage.
- Inhalation:** Inhalation of vapour or mist may cause irritation of, or burns to, the mucous membranes.
- Chronic:** Severe skin burns and blindness
- Toxicity information:**
- | | |
|---|-------------------------------|
| Acute Oral LD ₅₀ (Rat): | 1530mg/kg as phosphoric acid |
| Acute Dermal LD ₅₀ (Rabbit): | 2740 mg/kg as phosphoric acid |

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SECTION 12. ECOLOGICAL INFORMATION

Potential Environmental Interactions: Avoid contaminating waterways and soil. Toxic to aquatic life and harmful to terrestrial vertebrates with possible long lasting effects.

HSNO Ecotoxicity: 9.1D, 9.3C

Toxicity: LD₅₀ (rat): 1530 mg/kg bw

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal: Use solutions of soda ash or lime under controlled conditions. Normally neutralization or dilution is required for land fill disposal. The particular circumstances should be discussed with the relevant authority. Dispose of solid residues in chemical waste disposal area in accordance with relevant local authority regulations. Use licensed trade waste contractor to dispose of all chemical residues.

Containers: Empty containers must be decontaminated. Containers should be drained and triple rinsed with fresh water prior to return to supplier or disposal to drum re conditioner or approved landfill site.

SECTION 14. TRANSPORT INFORMATION

Classified as Dangerous Goods according to the criteria of the New Zealand Code for the Transport of Dangerous Goods on Land (NZS5433:Part 2:2007).

UN Number: 1805
Proper Shipping Name: PHOSPHORIC ACID, SOLUTION (10%w/w)
Dangerous Goods Class: 8 (corrosive)
Subsidiary Risk: -
Packing Group: III
Hazchem code: 2R
Emergency Information EPG 8A1

Classified as Dangerous Goods according to the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea and by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15. REGULATORY INFORMATION

HSNO Approval Code: HSR002526 – Cleaning Products (Corrosive) Group Standard 2006

National exposure standards: TWA: 1mg/m³ as phosphoric acid

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:
NOHSC – National Occupational Health and Safety Commission

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SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons

NFPA – National Fire Protection Agency

HSNO – Hazardous Substances and New Organisms

AS – Australian Standard

NZS – New Zealand Standard

TWA – Time-weighted average

TLV – Threshold limit value

STEL – Short-term Exposure Limit

NOS – Not otherwise Specified

LD₅₀ – Lethal Dose – 50%. The dose of a chemical that will kill 50% of the test animals receiving it.

LC₅₀ – Lethal Concentration – 50%. The concentration of a chemical in air or water that will kill 50% of the test organisms.

LCL₀ – Lowest Lethal Concentration. The lowest concentration of a chemical in air or water reported to have caused the death of animals or humans.

Reference(s):

1. Preparation of Safety Data Sheets: Approved Code of Practice Under the HSNO Act 1996, HSNO CoP 8-1 09-06, New Zealand chemical Industry Council, September 2006.
2. Workplace Exposure Standards, Occupational Safety and Health Service, Department of Labour, Revised January 2001.