

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **ANSUL PRX Liquid Agent**
 Product Use: Fire Extinguishing Agent
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Safeworld Limited**
 Address: 17 Fairfax Avenue
 Penrose
 Auckland, 1061

Telephone: +64 9 218 9403
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 7 November 2025

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
di-Sodium hydrogen phosphate anhydrous	1 - 5%	7558-79-4

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse cautiously with water for several minutes. Seek medical attention if needed.

If on Skin: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/ attention.

If Swallowed: Rinse mouth. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.

If Inhaled: Remove person to fresh air. Allow person to assume most comfortable position and keep warm. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	Carbon oxides, Nitrogen oxides (NOx), Phosphorus oxides

Suitable Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Precautions for firefighters and special protective clothing	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

For emergency responders:

Wear PPE as detailed in Section 8. Ensure adequate ventilation, especially in confined areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up:

Pick up and transfer to properly labelled containers. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling and Storage:

- Do not eat, drink or smoke when using this product.
- Avoid contact with skin and eyes.

Precautions for Storage:

- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Strong oxidizing agents. Strong acids. Strong bases.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

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 Feb 2025 15TH EDITION.

Engineering Controls

Use local exhaust or general dilution ventilation to control exposure with applicable limits.

Personal Protection Equipment

Eyes	Tight sealing safety goggles.
Skin	Wear protective gloves and protective clothing.
Respiratory	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene	Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Red
Odour	None
Odour Threshold	Not available
pH	Not available
Boiling Point	>100 °C
Melting/Freezing Point	Not available
Flash Point	>100 °C
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	1.2
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Strong oxidising agents. Strong acids. Strong bases.
Hazardous Decomposition Products	Carbon Oxides. Nitrogen Oxides (Nox). Phosphorus oxides.

Section 11 Toxicological Information**Acute Effects:**

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is not classified as acutely toxic.
Eye	This product is not classified as an eye irritant/corrosive.
Skin	This product is not classified as a skin irritant/corrosive.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
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di-Sodium hydrogen phosphate anhydrous 7558-79-4	= 17 g/kg (Rat)	-	-
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Section 12. Ecotoxicological Information

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium sulfate anhydrous 7757-82-6	-	LC50 (96h) = 13500 mg/L Lepomis macrochirus LC50 (96h) 13500 - 14500 mg/L Pimephales promelas LC50 (96h) static > 6800 mg/L Pimephales promelas LC50 (96h) static 3040 - 4380 mg/L Lepomis macrochirus	EC50 (48h) = 2564 mg/L Daphnia magna EC50 (96h) = 630 mg/L Daphnia magna

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Dispose as per Local Regulations. Do not re-use container.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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