Company Logo

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product:	**ANSUL LPH R-102 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.
Potassium Acetate	30 - 40%	127-08-2

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: Prolonged skin contact may defat the skin and produce dermatitis.

Section 5. Fire Fighting Measures

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

Suitable Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.
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.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA		STEL	
Substance	**ppm**	**mg/m³**	**ppm**	**mg/m³**

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
Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment

Eyes	Tight sealing safety goggles.
Skin	Wear protective natural rubber, nitrile rubber, NeopreneTM or PVC gloves. Gloves must conform to standard EN 374. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls as appropriate, to prevent skin contact.
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A filter or better.
General Hygiene	Not required.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Light Green
Odour	Acetic Acid
Odour Threshold	Not available
pH	7.7 — 8.7
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	1.32 g/cm^3
Specific Gravity	1.33
Water Solubility	Soluble in water
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	Carbon oxides. Nitrogen oxides (NOx).
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Strong oxidising agents. Strong acids. Strong bases.
Hazardous Decomposition Products	No data available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	This product is not classified as acutely toxic. ATEmix (oral) =10,740.00 mg/kg
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.

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
Potassium Acetate	-	LC50 (96h) semi-static = 6800 mg/L Oncorhynchus mykiss	EC50 (24h) = 7170 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

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

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

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