

## SAFETY DATA SHEET

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

<b>Section 1. Identification of the material and the supplier</b>
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Product: Wet chemical extinguisher with compressed gas  
 Product Use: Fire Extinguisher  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **PSL Fire & Safety**  
 Address: 10 Akatea Rd,  
 Glendene  
 Auckland 0602

Telephone: +64 9 818 8048  
 Fax: +64 9 818 4484  
 Email: [sales@pslfireandsafety.co.nz](mailto:sales@pslfireandsafety.co.nz)

**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS: 9 November 2023

<b>Section 2. Hazards Identification</b>
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This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: Fire Fighting Chemicals – HSR002573**

**Pictograms**



Signal Word: **Warning**

GHS Category	Hazard Code	Hazard Statement
Liquefied Gas	H280	Contains gas under pressure may explode if heated.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.

Response Code	Response Statement
None allocated	

Storage Code	Storage Statement
P403	Store in a well-ventilated place.
P410 + P403	Protect from sunlight. Store in a well-ventilated place.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

**Section 3. Composition / Information on Hazardous Ingredients**

<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
Potassium(K) salt	60	Proprietary
Water	To bal	7732-18-5
Nitrogen	N/A	7727-37-9

**Section 4. First Aid Measures**

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if needed.
If on Skin	Wash skin with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor/medical service if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms: None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	The product itself does not burn. Contains gas under pressure; may explode if heated.
<b>Hazards from decomposition products</b>	None known.
<b>Suitable Extinguishing media</b>	Does not burn. Use extinguishing media appropriate for surrounding fire.
<b>Precautions for firefighters and special protective clothing</b>	Wear protective clothing for exposure to chemicals. Do not allow run-off from fire-fighting to enter drains or water courses. Evacuate area. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Cool closed containers exposed to fire with water spray.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures**

For personal protection, see section 8.

Contain released substance, pump into suitable containers - Plug the leak, cut off the supply.

Take up liquid spill into an inert absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water - Wash clothing and equipment after handling.

For waste disposal, see Section 13.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read carefully and follow all instructions.
- Wear protective clothing as detailed in Section 8.
- Caution! Container under pressure.
- Avoid high temperatures.

- Do not eat, drink or smoke when using this product.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Protect from sunlight. Store in a well-ventilated place.
- Remove all sources of ignition.
- Store away from excessive heat.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure

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 APRIL 2022 13TH EDITION.

**Engineering Controls**

Use with good general ventilation. If solids/dusts are produced, local exhaust ventilation should be used. Systems under pressure should be regularly checked for leakages.

**Personal Protection Equipment**

The following recommendations should be considered although not needed.

<b>Eyes</b>	Wear chemical goggles.
<b>Hands</b>	Use chemical resistant gloves.
<b>Respiratory</b>	Wear gas mask.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Liquid under pressure
<b>Colour</b>	Clear
<b>Odour</b>	Pleasant Odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	95 - 105°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Solubility</b>	Water = Water solution
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity @ 20°C</b>	Not available
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable at normal temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to Avoid</b>	High temperature. Keep away from open flames, hot surfaces and sources of ignition. Keep out of direct sunlight.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50 = >10 000mg/kg (rat)
<b>Dermal</b>	Not applicable. LD50 = >3000mg/kg (rat)
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.
<b>Other</b>	The substance / mixture has no endocrine disrupting properties.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

### Persistence and degradability:

Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	5060 g O <sup>2</sup> /g substance HRN EN ISO5815:1998
Chemical oxygen demand (COD)	12430 g O <sup>2</sup> /g substance DIN 38409 T41:1996
Biodegradation	100 % (28 days) EN ISO 9439:2000

<b>Bioaccumulation</b>	No data available for this product itself
<b>Mobility in Soil</b>	No data available for this product itself
<b>Other adverse effects</b>	No data available for this product itself

## Section 13. Disposal Considerations

### Disposal Method:

Must be recycled or disposed of according to the applicable regulations.

Wastewaters may also be able to be treated on site to biodegrade (if local authority waste regulations allow) by holding in ponds and/or irrigation to ground according to quantity and contaminants other than foam.

**Precautions or methods to avoid:** Must not be disposed of together with household garbage. Do not allow products to reach the sewage system unless authorised by agreement with the wastewater treatment plant operator.

**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

**Road, Rail, Sea and Air Transport**

<b>UN No</b>	1044
<b>Class - Primary</b>	2.2
<b>Proper Shipping Name</b>	FIRE EXTINGUISHERS with compressed gas
<b>Marine Pollutant</b>	No
<b>Special Provisions</b>	If the product's individual container is below 500ml, 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 as hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Fire Fighting Chemicals - HSR002573

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Only use for the intended purpose.

**Section 16 Other Information****Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 APRIL 2022 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 PSL Fire & Safety, if further information is required.

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