

# SAFETY DATA SHEET

Ryanshield



## Section 1. Identification of the material and the supplier

Product: **Ryanshield**  
Product Use: Waterproofing Membrane  
Restriction of Use: Refer to Section 15

New Zealand Supplier: **RYANFIRE Products**  
Address: 11 Ashfield Road  
Wairau Valley  
Auckland, 0627

Telephone: +64 9 443 0362  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 9 August 2024 v1.1

## Section 2. Hazards Identification

This substance is not hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. This product is considered a Manufactured Article.

## Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1)	0.0001-0.0003	55965-84-9
Non hazardous	To bal	

## Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse eyes with water as a precaution.

If on Skin Wash with plenty of soap and water. Seek medical assistance if needed.

If Swallowed Rinse mouth. Call poison center or a doctor if you feel unwell.

If Inhaled Remove person to fresh air and keep comfortable for breathing. Seek medical assistance if needed.

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

Symptoms: None known.

Notes to Doctor: Treat symptomatically.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable/Non-Combustible
<b>Hazards from products</b>	Toxic fumes may be released. Keep unwind.
<b>Suitable Extinguishing media</b>	Water spray. Dry powder. Foam. Carbon dioxide.

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SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

<b>Precautions for firefighters and special protective clothing</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

## Section 6. Accidental Release Measures

Ventilate spillage area. Wear PPE as detailed in Section 9.

Avoid release to the environment.

Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose as per Section 13.

## Section 7. Handling and Storage

### Precautions for Handling

- Ensure good ventilation of the work station.
- Wear personal protective equipment.
- Do not eat, drink or smoke when using this product.
- Always wash hands after handling the product.

### Precautions for Storage

- Store in a well-ventilated place. Keep cool.
- +5°C and +25°C, moisture free

## 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 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 Nov 2023 14<sup>TH</sup> EDITION.

### Engineering Controls

Ensure good ventilation of the work station.

### Personal Protection Equipment:



<b>Eyes</b>	EN 166. Safety glasses. Chemical goggles or safety glasses.
<b>Skin</b>	Protective gloves. Chemically resistant protective gloves made of Butyl rubber 0.4mm thickness. Wear impervious rubber safety shoes.
<b>Respiratory</b>	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid - Viscous
<b>Colour</b>	White

<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<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>	1.34 – 1.4 g/ml
<b>Water Solubility</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity - Dynamic</b>	45000 – 55000 cP
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Not available.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<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.

## Section 12. Ecotoxicological Information

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

<b>Persistence and degradability</b>	No data available
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<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Section 13. Disposal Considerations

**Disposal Method:** Dispose of according to Local regulations

**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.**

### Section 15 Regulatory Information

This substance is not hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. This product is considered a Manufactured Article.

### Section 16 Other Information

#### Glossary

Cat	Category
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 Nov 2023 14<sup>th</sup> 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

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

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