

SAFETY DATA SHEET

Ryanfire Mastic



Section 1 Product and Company Information

Product name: Ryanfire Mastic
Product application: A water-borne acrylic sealant with fire and smoke resisting capability for sealing internal linear gaps, annular gaps around building services, and apertures.

Product size:
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: 7 July 2025 v1.0

Section 2 Hazards Identification

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

Section 3 Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethanediol;ethylene glycol	<0.1	107-21-1
3-iodo-2-propynyl butylcarbamate;3 iodoprop-2-yn-1-yl butylcarbamate	<0.05	55406-53-6
Non-hazardous ingredients	To bal	

Section 4 First Aid Measures

Routes of Exposure:

If in Eyes Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 15 minutes. Seek medical assistance if needed.

If on Skin Wash skin thoroughly with water. If skin irritation occurs: get medical advice/attention.

If Swallowed Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.

If Inhaled Remove person to fresh air. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Skin Contact: No symptoms anticipated.

Section 5 Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO ₂), Some metal oxides
Suitable Extinguishing media	Alcohol resistant foam, CO ₂ , powder, water spray/mist. Do not use waterjets as they may spread the fire.
Precautions for firefighters and special protective clothing	Fire fighters should wear appropriate personal protective equipment.
HAZCHEM CODE	None Allocated

Section 6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ensure adequate ventilation.

Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents. Dispose as per Section 13.

Section 7 Handling and Storage**Precautions for Handling:**

- Read carefully and follow all instructions.
- Smoking, drinking and consumption of food is not allowed in the work area.

Precautions for Storage:

- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Keep only in the original packaging.
- Storage temperature: 5 – 30°C.
- Store in a dry, cool and well-ventilated area.
- Store away from strong acids and strong oxidising agents.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Ethylene glycol (vapour)	[107-21-1]	25	64	50	127

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 Measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended.

Personal Protection Equipment

Eyes	Safety glasses (EN166)
Skin	It is good practice to wear work clothing and protective gloves (Butyl or Nitrile).
Respiratory	Not required.
General	Always wash your hands before eating, smoking or using the toilet.

Section 9 Physical and Chemical Properties

Appearance	Paste
Colour	Various colours
Odour	Not available
Odour Threshold	Not available
pH	8.0
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density	1.6 g/cm ³ @ 20°C
Specific Gravity	Not available
Water Solubility	Completely soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	1,500,000 centistokes (20 °C)
Particle Characteristics	Not available
VOC	4 g/L

Section 10 Stability and Reactivity

Chemical stability	Stable under normal temperature and storage conditions
Hazardous reactions	None known
Conditions to avoid	No data available.
Incompatible materials	Strong acids Strong oxidizing agents
Hazardous decomposition products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not classified.
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Dermal	Not classified.
Inhalation	Not classified.
Eye	Not classified.
Skin	Not classified.

Chronic Effects:

Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Germ Cell Mutagenicity	Not classified.
Aspiration	Not classified.
STOT/SE	Not classified.
STOT/RE	Not classified.

Section 12 Ecological Information

Toxicity	This product is not hazardous to the environment.
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Results of PBT/vPvB assesment	No data available.
Other adverse effects	No data available.

Section 13 Disposal Considerations

Disposal Method:

Dispose as per 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 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

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

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