

MATERIAL SAFETY DATA SHEET

Ryanfire Acrylic Mastic



Section 1 Product and Company Information

Product: **Acrylic mastic sealant**
Product name: Ryanfire Mastic / Brush Grade 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: 600ml foil sausages, 310ml cartridges
New Zealand Supplier: **RYANFIRE Products Ltd**
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: 14 February 2023

Section 2 Hazards Identification

Regulation EC 1272/2008

This product is not classified as hazardous according to regulation (EC) 1272/2008 (CLP)

Signal Word: None
Hazard Statement: None
Other Hazards: None

Section 3 Composition / Information on Ingredients

Ingredient	CAS No.	EC No.	REACH Registration No.	Classification According to Reg (EC) 1272/2008 (CLP)	%WW
Dipropylene Glycol Dibenzoate	27138-31-4	248-258-5	01-2119529241-49-0002	H412 Aq Chron-3	2-5%

Section 4 First Aid Measures

General: In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation: Move outside to fresh air.
Skin Contact: Wash skin thoroughly with water or a recognised skin cleaner. Do not use solvent or thinners.
Eye Contact: Contact lenses should be removed. Irrigate copiously with clean fresh water for at least 10 minutes, holding eyelids apart. Seek medical advice.
Ingestion: Wash out mouth with water and provide water to drink. Do not induce vomiting.

Symptoms and Effects

Skin Contact: No symptoms anticipated.

Eye Contact:	Possible irritation and redness
Ingestion:	No symptoms anticipated. If there is any persistence of discomfort, seek medical advice.
Inhalation:	No symptoms

Section 5 Fire Fighting Measures

The liquid product is 'non-flammable'.

Extinguishing Media:	Recommended: alcohol resistant foam, CO ₂ , powder, water spray/mist.
Special Hazards:	As the products contain combustible organic components, fire will produce hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.
Advice for firefighters:	Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run off from firefighting to enter drains or water courses.

Section 6 Accidental Release Measures

Personal precautions & protective equipment: Refer to section 8 for details.

Environmental precautions: Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes, the relevant Environment Agency.

Method for containment: Contain and collect spillages with non-combustible absorbent materials e.g., sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Section 7 Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. **The Manual Handling Operations Regulations** may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

Precautions for safe storage: Keep containers closed when not in use. Never use high pressure to empty. The container is not a pressure vessel. Ensure good housekeeping and regular safe removal of waste materials. Observe label precautions - Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

Engineering Measures: Provide adequate ventilation during application and drying. Where practicable this should be achieved using local exhaust ventilation. If this is not sufficient to maintain concentration of solvent vapours below the relevant Occupational Exposure Limit, suitable respiratory protection must be worn (see 'Occupational Exposure Controls' below).

Exposure limits:

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1) ppm mgm ⁻³	15 min LTEL(2) ppm mgm ⁻³	

- (1) Long-term exposure limit - 8-hour time weighted average.
 (2) Short-term exposure limit - 15 mins time weighted average.
 (S) Occupational Exposure Standard (OES).
 (M) Maximum Exposure Limit (MEL).
 (R) Recommended by suppliers.
 (A) Allocated limits by analogy with similar materials.
 (SK) Risk of absorption through unbroken skin.
 (Sen) Capable of causing sensitisation by inhalation.

Occupational Exposure Controls: All Personal Protective Equipment (PPE), including Respiratory Protective Equipment (RPE), used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection: If exposure to hazardous substances identified in section 8 cannot be controlled by the provision of natural ventilation e.g., work in enclosed areas, exposure should be controlled, where reasonably practicable, by the use of mechanical exhaust ventilation; when this is not reasonably practicable, suitable respiratory protective equipment must be worn.

Hand Protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance, and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection: Eye protection designed to protect against liquid splashes should be worn.

Skin Protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed, and the skin washed with soap and water or a recognised skin cleaner. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

Section 9 Physical and Chemical Properties

Physical state	Light grey viscous paste
pH	7.7 – 8.5
Flash Point	>100°C
VOC	3 g/ltr LEED(2009) VOC 3.5 g/ltr
Viscosity	Not applicable
Specific Gravity	1.60 – 1.64 @ 20°C
Water Solubility	Miscible when wet
Fire Testing	Tested to AS1530:2014 at IANZ/NATA accredited laboratories

Section 10 Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under normal temperature and storage conditions
Hazardous reactions	None known
Conditions to avoid	No specific data
Incompatible materials	No specific data
Hazardous decomposition products	Oxides of carbon released under high temperature (>300°C)

Section 11 Toxicological Information

Acute Toxicity	No specific data available
Ingestion	May cause discomfort if swallowed. May cause stomach pain
Skin contact	May irritate skin
Eye Contact	Risk of eye irritation
Sensitisation	Not sensitising
STOT	Not classified

Section 12 Ecological Information

Toxicity	Not regarded as dangerous for the environment. Not considered toxic to fish
Persistence and degradability	Not biodegradable
Bioaccumulation	Not bio accumulating
Mobility in Soil	Not mobile
Results of PBT/vPvB assesment	Not classified as PBT/vPvB
Other adverse effects	No known significant effects or critical hazards

Section 13 Disposal Considerations

Do not allow to enter drains or water courses. Wastes, including emptied containers, are controlled waste, and should be disposed of in accordance with regulations made under the 'Control of Pollution Act' and the 'Environmental Protection Act'. Using information provided in this data sheet, advice should be obtained from the relevant Environment Agency whether the Special Waste Regulations apply.

Section 14 Transport Information

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Onwards transport subsequent to purchase: Transport to be in accordance with ADR for road, IMDG for sea and ICAO/IATA for air.

Proper shipping name: The product is not classified as dangerous for carriage.

UN number

Hazard class:

Packing group:

Sub-hazard class:

Section 15 Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Control of Substances Hazardous to Health Regulations 2002

Environment Act 1995

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work Regulations 2002

Special Waste Regulations 1996 as amended

Health And Safety Executive Guidance Notes

HS(G)37 An Introduction to Local Exhaust Ventilation

EH40 Occupational Exposure Limits

EH44 Dust: General Principles of Protection

HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment

HS(G)71 Storage of Packaged Dangerous Substances

HS(G)193 COSHH Essentials: easy steps to control chemicals

L23 Manual Handling Guidance on Regulations

British Standards Publications

EN420: General Requirements for Gloves

EN166: Personal Eye Protection: Specifications

BS2092: Eye Protection for Industrial and Non-Industrial Users

BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory

Section 16 Other Information

Symbols and text of the H phrases in section 2 and 3:

H412 Harmful to aquatic life with long lasting effects

Disclaimer

This document has been prepared by Ryanfire Technical Department. It is based on information concerning the product which has been provided to Ryanfire Products 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 Ryanfire Products Ltd 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, Ryanfire Products 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 Ryanfire Products Ltd if further information is required.

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