

SAFETY DATA SHEET

Chub Mastic



Section 1 Product and Company Information

Product: **Chub Mastic**
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
Restriction of Use: Refer to Section 15

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: 27 April 2023

Section 2 Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Surface Coatings and Colourants (Subsidiary) – HSR002670

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P273	Avoid release to the environment.

Response Code	Response Statement
P391	Collect spillage.

Storage Code	Storage Statement
None allocated	

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

Section 3 Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Calcium Carbonate	35-40	1317-65-3
Talc	5-10	14807-96-6
Chlorinated Paraffin	5-10	85535-85-9
Titanium Dioxide	1-3	13463-67-7
Non-hazardous or ingredients not triggering final classification	To bal	

Section 4 First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash skin thoroughly with water or a recognised skin cleaner. Do not use solvent or thinners. 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. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. 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.
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

Hazard Type	Non Flammable
Hazards from combustion products	Metal oxides. May emit poisonous fumes. May emit corrosive fumes.
Suitable Extinguishing media	Alcohol resistant foam, CO ₂ , powder, water spray/mist.
Precautions for firefighters and special protective clothing	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.
HAZCHEM CODE	3Z

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

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

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.

Methods and material for containment and cleaning up:

Environmental hazard - contain spillage. Clean up all spills immediately. Absorb or contain liquid spills with sand, earth, inert material or vermiculite. Dispose as per Section 13.

Section 7 Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions.
- Avoid release to the environment.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Avoid contact with skin and eyes.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- **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 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.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Calcium carbonate	[1317-65-3]	-	10	-	-
Talc	[14807-96-6]	-	2	-	-
Titanium dioxide	[13463-67-7]	-	10	-	-

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 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).

Personal Protection Equipment



Eyes	Safety glasses with side shields.
Hands	Wear chemical protective gloves, e.g. PVC, Butyl rubber gloves.
Skin	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. Wear safety footwear or safety gumboots, e.g. Rubber
Respiratory	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. Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715)
General	Always wash your hands before eating, smoking or using the toilet.

Section 9 Physical and Chemical Properties

Appearance	Viscous Paste
Colour	Light Grey
Odour	Not available
Odour Threshold	Not available
pH	8.5 – 9.5
Boiling Point	Not available
Melting Point	Not available
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
Specific Gravity	1.50 – 1.65 @ 20°C
Water Solubility	Miscible when wet
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Fire Testing	Tested to AS1530:2014 at IANZ/NATA accredited laboratories

Section 10 Stability and Reactivity

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 Effects:

Swallowed	Not classified however may cause discomfort if swallowed. May cause stomach pain.
Dermal	Not classified.
Inhalation	Not classified.
Eye	Not classified however may be a risk of eye irritation.
Skin	Not classified however it may irritate the skin.

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.

Individual component information:

Acute Toxicity:

Chemical Name	Oral - LD50	Dermal - LD50	Inhalation - LC50
Calcium Carbonate	>2000 mg/kg (rat)	>2000 mg/kg (rat)	>3mg/L/4h (rat)
Talc	>5000 mg/kg (rat)	>2000 mg/kg (rat)	>2.1 mg/L/4h (rat)
Titanium Dioxide	≥2000 mg/kg (Rat)	≥10000 mg/kg (hamster)	>2.28 mg/L/4hr (rat)

Section 12 Ecological Information

Toxicity	Toxic to aquatic life with long lasting effects.
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 data available.

Individual component information:

Titanium Dioxide

Endpoint	Species	Duration	Value	Source
BCF	Fish	1008 hr	<1.1-9.6	7
LC50	Fish	96 hr	1.85-3.06 mg/l	4
EC50	Algae or other aquatic plants	72 hr	3.75-7.58 mg/l	4
EC50	Crustacea	48 hr	1.9 mg/l	2
EC50	Algae or other aquatic plants	96 hr	179.05 mg/l	2
NOEC(ECx)	Crustacea	504 hr	0.02 mg/l	4

Talc

Endpoint	Species	Duration	Value	Source
LC50	Fish	96 hr	89581.016 mg/l	2
EC50	Algae or other aquatic plants	96 hr	7202.7 mg/l	2
NOEC(ECx)	Algae or other aquatic plants	720 hr	918.089 mg/l	2

Calcium Carbonate

Endpoint	Species	Duration	Value	Source
NOEC(ECx)	Fish	1 hr	4-320 mg/l	4
LC50	Fish	96 hr	>165200 mg/L	4
EC50	Algae or other aquatic plants	72 hr	>14 mg/l	2

Source:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity

Product Name: Chub Mastic
Date of SDS: 27 April 2023

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

Do not allow to enter waterways.

Section 13 Disposal Considerations

Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Ecotoxic" and that the label also has the Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5L 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.

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.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coatings and Colourants (Subsidiary) – HSR002670

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Restriction of Use	Only use for the intended purpose.

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 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 the New Zealand distributor, if further information is required.

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