SAFETY DATA SHEET

Ryanfire BATT

Section 1. Identification of the material and the supplier

Product:	**Ryanfire BATT**
Product Use:	For use within fire rated walls and floors to maintain fire compartment lines. Fire stopping a range of service types including non-combustible and combustible pipes, electrical and data services, timber and steel sections. Ryanfire Naked Wall and Floor Systems
Sheet size:	1200mm long x 600mm wide x 50mm thick 1000mm long x 600mm wide x 80mm thick
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:	7 March 2024 v2

Section 2. Hazards Identification

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

Section 3. Composition / Information on Hazardous Ingredients

Ryanfire Batt is an engineered, high density rock fibre board coated on both faces with Ryanfire fire resistant acrylic coating. Capable of withstanding high temperatures, Ryanfire Batt is manufactured under controlled factory conditions to detailed thickness and specifications.

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Not considered a route of exposure.
If on Skin	Wash with plenty of soap and water.
If Swallowed	Not considered a route of exposure.
If Inhaled	Not considered a route of exposure.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable/Non-Combustible
Hazards from combustion products	None known

Suitable Extinguishing media	Use media suitable for surrounding materials
Precautions for firefighters and special protective clothing	No special precautions or clothing needed beyond fire BA
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

Sweep up and reuse if possible. If not, dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling/Installation and Storage:

Ryanfire Products Ltd recommend that all fire stopping products should be installed by a third-party accredited fire stopping contractor or competent person. Full application details and methodology instructions should be requested before installation of the product. Please consult literature of Ryanfire technical department for details.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA		STEL	
Substance	**ppm**	**mg/m³**	**ppm**	**mg/m³**

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 14TH EDITION.

Engineering Controls

No special requirement.

Personal Protection Equipment

Eyes	Not required.
Skin	Not required, but always good practice to wear protective gloves.
Respiratory	Not required.

Section 9 Physical and Chemical Properties

Appearance	Sheet size: 1200mm long x 600mm wide x 50mm thickness.
Colour	Not available
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available

Vapour Pressure	Not available
Vapour Density	Not available
Density	Not available
Water Solubility	Not available
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 Third party accredited by Exova Warringtonfire and PFITS Laboratory testing authorities.
Thermal Properties	**Thermal Resistance**

Property	Value	According to
Thermal Conductivity in 10 °C, λ10	0,039 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Dimensions and Tolerances	T5	EN 14303:2009+A1:2013

Moisture Properties	**Water Permeability**

Property	Value	According to
Water Absorption, Short Term WS, Wp	≤ 1 kg/m2	EN 14303:2009+A1:2013 (EN 1609)

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	Not available
Incompatible Materials	Not available
Hazardous Decomposition Products	Not available

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

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

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	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.

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 Nov 2023 14th 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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) 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

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

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