SAFETY DATA SHEET

RYANFIRE PUTTY CORD

Section 1. Identification of the material and the supplier

Product:	**Ryanfire Putty Cord**
Product Use:	Is a non-setting, malleable putty designed to easily fit around service penetrations.
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.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Non hazardous	To 100	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.
If on Skin	Wash skin thoroughly with soap and water. Seek medical advice if needed.
If Swallowed	If accidentally swallowed wash mouth with water and give water to drink. DO NOT Induce vomiting. Seek medical assistance if required.
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 products	If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Some metal oxides
Suitable Extinguishing media	Alcohol resistant foam, CO2, powder, water spray/mist. Waterjets should not be used, since they can spread the fire.

Precautions for firefighters and special protective clothing	No specific requirements.
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

Wear PPE as detailed in Section 8. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid release to the environment.

Minor spills are collected with a cloth. Sweep and collect. Dispose of according to Section 13.

Section 7. Handling and Storage

Precautions for Handling/Installation and Storage:

- Smoking, eating and drinking should be prohibited in areas of storage and use.
- For personal protection see Section 8.
- Keep only in original packaging.
- Store in dry, cool and well ventilated area.
- Incompatible materials include strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- Storage temp: Between 5^0C and 30^0C.

Typical Benefits:

- Ryanfire Putty Cord will reinstate the fire rating in the separating element when installed around service penetrations, and will create an ablative barrier preventing the passage of smoke, hot gasses and flame.
- The putty cord is an excellent option to seal cables and cable bundles where there are small annular gaps and tight access.
- Simple, quick installation
- No tools required.
- No solvents or VOC's
- Moisture resistant.
- Up to 120mins FRR
- Tested: AS1530.4:2014 and AS4072.1:2005

Application:

- Ryanfire Putty Cord is designed to protect cables and cable bundles where they pass through concrete, masonry and fire rated plasterboard walls. Ensure that the surfaces are clean, dry and free from dust. Wrap the putty cord around the services and it to create a 15mm cone ensuring the annular gaps are filled and good contact is made all around the penetration. Ryanfire Putty Cord must be installed on both sides of the wall.
- Application Temperature: $+4^0$C – 40^0C.

• 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
Provide adequate ventilation.

Personal Protection Equipment:

Eyes	It is always good practice to wear safety glasses when handling.
Skin	It is always good practice to wear protective gloves when handling.
Respiratory	Not required.

Section 9 Physical and Chemical Properties

Appearance	Putty like material in cords
Colour	Red
Sizes	200mm x 15mm dia (5 per box) = total 1m
Odour	Characteristic
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	$>100^0$C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	1.55 g/cm^3
Water Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	$>150^0$C
Viscosity - Dynamic	Not available
TVOC	12 µg/m^3

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	None known.
Incompatible Materials	Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
Hazardous Decomposition Products	If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Some metal oxides

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

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

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

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