

# SAFETY DATA SHEET

## Ryanfire FS Collar



### Section 1. Identification of the material and the supplier

Product: **Ryanfire FS Collar**  
Product Use: The FS Collars are designed to maintain the fire resistance of fire rated walls for up to 120 minutes.  
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. This product is considered a Manufactured Article.

### Section 3. Composition / Information on Hazardous Ingredients

Ryanfire FS collars consist of a high-quality stainless-steel case lined with a highly reactive graphite infused material. The FS Collars are designed to maintain the fire resistance of fire rated walls for up to 120 minutes. Upon exposure to heat the FS collar will quickly and effectively close any openings that may form due to the melting away of services.

### 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

<b>Hazard Type</b>	Non-Flammable/Non-Combustible
<b>Hazards from combustion products</b>	None known
<b>Suitable Extinguishing media</b>	Use media suitable for surrounding materials
<b>Precautions for firefighters and</b>	No special precautions or clothing needed beyond fire BA

<b>special protective clothing</b>	
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

## 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:

- Position FS Collar hard up against the surface of the fixing substrate, secure mild steel fixings through each leg of the collar to a minimum embedment of 25mm.
- Ryanfire recommend that all fire stopping products should be installed by a third party accredited fire stopping contractor. Full application details and methodology instructions should be requested before installation of this product commences.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

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 14<sup>TH</sup> EDITION.

### Engineering Controls

No special requirement.

### Personal Protection Equipment

<b>Eyes</b>	Not required.
<b>Skin</b>	Not required, but always good practice to wear protective gloves.
<b>Respiratory</b>	Not required.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Solid 40mm – 160mm
<b>Colour</b>	Not available
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Water Solubility</b>	Not available

<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available
<b>Fire Testing</b>	Tested to: AS1530.4-2005 2014) / AS 4072.1-2005

## Section 10. Stability and Reactivity

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

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

### Chronic Effects:

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

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	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. This product is considered a Manufactured Article.

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 14<sup>th</sup> 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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Issue Date: 9 August 2024 Review Date: 9 August 2029