

# SAFETY DATA SHEET

Ryanfire SL Collar



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

Product: **Ryanfire SL Collar**  
Product Use: Is a high pressure graphite manipulated Intumescent expansion device encased in a stainless steel casing designed to close combustible elements whilst maintaining compartmentation.  
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: 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 SL Collars are a stainless steel casing with fixing legs - pre lined with a Ruberoid graphite loaded strap most commonly fixed around combustible Insulation, cable bundles or combustible pipes.  
SL Collars are fixed into position using mild steel fixings with a minimum substrate embedment of 25mm

## 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 special protective clothing</b>	No special precautions or clothing needed beyond fire BA
<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 SL 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.

### Typical Benefits:

- Fully Tested for up to 120 minutes integrity and insulation (dependent on specific application).
- Individually packaged.
- Suitable for use around various types of insulation, cable and combustible pipes.

### Typical Configuration Types:

- Combustible pipes, Insulations, Cables, Conduits
- Tested In Floors and Walls including Lightweight Partitions.
- Please consult literature or technical department.

## 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 25mm – 160mm (standard) – larger sizes available.
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Product Name: Ryanfire SL Collar  
Date of SDS: 7 March 2024

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
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<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
<b>Other</b>	FPANZ Passive Product Registered.

## 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.

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

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