

## FR RS Fire Tape - Class B

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Name/Identifier

FR RS Fire Tape - Class B

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Fire retardant tape sealant.  
For professional users only.

#### 1.3. Details of the supplier of the safety data sheet

Premier Sealant Systems Ltd.  
Mercia Way,  
Foxhills Industrial Park,  
Scunthorpe,  
North Lincolnshire,  
DN15 8RE  
Tel. 01724 864 100

#### 1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Classification according to UK CLP/GHS

Not classified.

The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended. See Section 11 for more detailed information on health effects and symptoms.

**Physical hazards**

Not classified.

**Health hazards**

Not classified.

**Environmental hazards**

Not classified.

**2.2. Label elements****Hazard pictograms**

None.

**Signal word**

None

**Hazard statements**

No known significant effects or critical hazards.

**Precautionary statements**

Not applicable.

**Supplemental label information**

Not applicable.

**2.3. Other hazards**

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.  
Contains >0.1% EU SVHC (melamine).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances****Melamine**

EC:203-203-615-4

CAS: 108-78-1

≥0.1 - ≤4.2%

Carc. 2, H351

Repr. 2, H361f

STOT RE 2, H373 (urinary tract).

Type [1] Constituent.

The full text for all hazard statements is displayed in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

**Premier Sealant Systems Ltd.**

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## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Ingestion:</b>	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Skin contact:</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	No specific data.
<b>Skin contact</b>	No specific data.
<b>Eye contact</b>	No specific data.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Notes for the doctor

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Specific treatments

Treat symptomatically.

## 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

#### Unsuitable extinguishing media

None known.

## 5.2. Special hazards arising from the substance or mixture

### Specific hazards

None specific known.

### Hazardous combustion products

Carbon dioxide, ammonia.

## 5.3. Advice for firefighters

### Special protective equipment for firefighters

Wear self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

### 6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3. Methods and material for containment and cleaning up

Clear up spills immediately and dispose of waste safely.

### 6.4. Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Usage precautions

Put on appropriate personal protective equipment (see Section 8).

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for

additional information on hygiene measures.

## 7.2. Conditions for safe storage, including any incompatibilities

### Storage precautions

Store in accordance with local regulations.

### Storage class

Not classified.

## 7.3. Specific end use(s)

Not available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### DNELs/DMELs

Product/ingredient	Type	Exposure	Value	Population	Effects
Melamine	DNEL	Long term Oral	0.42 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.5 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	4.2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	8.3 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	11.8 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	82.3 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Dermal	117 mg/ kg bw/day	Workers	Systemic

#### PNECs

Melamine	0.51 mg/l
Fresh water	2 mg/l
Marine water	0.051 mg/l
Sewage Treatment Plant	200 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls

Provide adequate ventilation.

### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

### Other skin and body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Hygiene measures

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

### Respiratory protection

A respirator is not needed under normal and intended conditions of product use. Use appropriate respiratory protection if there is a risk of exceeding any exposure limits. Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Varios
Odour	Not available
Odour threshold	No information available
pH	Not available
Melting point	Not determined
Initial boiling point and range	Not available
Flash point	Not available
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid, gas)	Not applicable

Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Bulk density	Not available
Solubility(ies)	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not applicable
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

## 9.2. Other information

Not available.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific test data available.

### 10.2. Chemical stability

The product is stable.

### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4. Conditions to avoid

No specific data.

### 10.5. Incompatible materials

No specific data.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous thermal decomposition products: ammonia, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
Melamine	LD50 Oral	Rat	3161 mg/kg	-

# Safety Data Sheet



## Conclusion/Summary

Based on available data, the classification criteria are not met.

## Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Melamine	3161	N/A	N/A	N/A	N/A

## Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Melamine	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-

## Conclusion/Summary

### Skin

Based on available data, the classification criteria are not met.

### Eyes

Based on available data, the classification criteria are not met.

### Respiratory

Based on available data, the classification criteria are not met.

### Sensitisation

Based on available data, the classification criteria are not met.

### Respiratory

Based on available data, the classification criteria are not met.

### Mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### Teratogenicity

### Conclusion/Summary

Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available

## Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.



## General information

Inhalation	No specific data.
Ingestion	No specific data.
Skin contact	No specific data.
Eye contact	No specific data.
Acute and chronic health hazards	No specific data.
Route of exposure	No specific data.
Target organs	No specific data.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Based on available data, the classification criteria are not met.

#### 12.1. Persistence and degradability

Based on available data, the classification criteria are not met.

#### 12.2. Bioaccumulative potential

No information available.

#### 12.3. Mobility in soil

No information available.

#### 12.4. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.5. Other adverse effects

Not known.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

## 13.2. Disposal methods

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## 13.3. Waste class

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.  
Contains an EU SVHC (melamine).

## 14. TRANSPORT INFORMATION

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Not classified.

### 14.6. Special precautions for user

Not applicable..

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

## 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Annex XIV - List of substances subject to authorisation

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

### EU regulations

Industrial emissions (integrated pollution prevention and control) - Air

Not listed.

Industrial emissions (integrated pollution prevention and control) - Water

Not listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list Australia

Not determined.

Canada

Not determined

China

Not determined.

Eurasian Economic Union

Russian Federation inventory

Not determined.

Japan inventory (CSCL)

Not determined.

Japan inventory (ISHL)  
Not determined  
New Zealand  
Not determined.  
Philippines  
Not determined.  
Republic of Korea  
Not determined.  
Taiwan  
Not determined.  
Thailand  
Not determined.  
Turkey  
Not determined.  
United States  
Not determined.  
Viet Nam  
Not determined.

## 15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

## 16. OTHER INFORMATION

### Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate.  
BCF: Bioconcentration Factor.  
CAS: Chemical Abstracts Service.  
cATpE: Converted acute toxicity point estimate.  
DNEL: Derived No Effect Level.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
GHS: Globally Harmonized System.  
IATA: International Air Transport Association.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
LC50: Lethal Concentration to 50 % of a test population.  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).  
LOAEC: Lowest Observed Adverse Effect Concentration.  
LOAEL: Lowest Observed Adverse Effect Level.  
LOEC: Lowest Observed Effect Concentration.  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.

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NOEC: No Observed Effect Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
SVHC: Substances of Very High Concern.  
vPvB: Very Persistent and Very Bioaccumulative.

## Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Asp. Tox. = Aspiration hazard  
Eye Dam. = Serious eye damage  
Flam. Liq. = Flammable liquid  
Repr. = Reproductive toxicity  
Skin Irrit. = Skin irritation  
Skin Sens. = Skin sensitisation  
STOT RE = Specific target organ toxicity-repeated exposure  
STOT SE = Specific target organ toxicity-single exposure

## Key literature references and sources for data

Source: European Chemicals Agency, <http://echa.europa.eu/> SDS from supplier.

## Classification procedures according to SI 2019 No. 720

Flam. Liq. 2 - H225: On basis of test data.  
Aquatic Chronic 3 - H412,  
Eye Irrit. 2 - H319,  
Repr. 2 - H361d,  
Skin Irrit. 2 - H315,  
STOT SE 3 - H336,  
STOT RE 2 - H373: Calculation method.

## Revision comments

Revision date  
25/03/2024  
Revision  
2  
Supersedes date  
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SDS status  
Approved.

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