



Product Name <b>FIRESHIELD 4FR</b>	Date of Issue <b>7.10.16</b>	Issued by <b>P. Olsson</b>	Approved by <b>M. Zainey</b>	Page <b>1 of 6</b>
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## **1. Identification of the substance/preparation and of the company/undertaking**

### **1.1 Product identifier**

Product name: *FIRESHIELD 4FR*

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

Chemical/technical description: *Water based intumescent paint.*

Field of application: *Used indoors as part of a system for fire insulation of steel, timber and structures.*

### **1.3 Details of the supplier**

Company: *Fire Protection Coatings Ltd*

Address: *Unit 4, 201 Opawa Road, Hillsborough Christchurch*

Contact person: *Per Olsson*

Phone: *0800 347 374*

E-mail: [\*info@fireshield.co.nz\*](mailto:info@fireshield.co.nz)

Website: [\*www.fireshield.co.nz\*](http://www.fireshield.co.nz)

### **1.4 Emergency telephone number**

Supplier Emergency Contact *027 439 4271 (day time only)*

NZ Poisons Information Centre *0800 764 766*

Emergency Services *111 – Fire, Police or Ambulance*

## **2. Hazards identification**

### **2.1 Statement of Hazardous Nature**

*This preparation is not classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.*

### **2.2 HSNO Classification and Hazard Statements**

*Not applicable as there are no known hazards.*

### **2.3 Prevention Statements**

*Not applicable as there are no known hazards.*

### **2.4 Other Hazards**

*Not applicable as there are no known hazards.*



### **3. Composition / information on ingredients**

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#### **3.1 Compounds**

*The product does not contain any substance that is classified as hazardous to health or environment.*

### **4. First-aid measures**

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#### **4.1 Description of first aid measures**

Inhalation of spray mist:	<i>Remove to fresh air. If irritation occurs seek medical advice.</i>
Eye contact:	<i>Rinse thoroughly with plenty of water. Remove contact lenses and contact a doctor if irritation persists.</i>
Skin contact:	<i>Remove contaminated clothing. Wash off with soap and water. Contact doctor if symptoms remain.</i>
Ingestion:	<i>If product is swallowed do not induce vomiting. Rinse mouth with water. If symptoms persist, seek medical advice.</i>

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

*Classified as non-hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Frequent or repeated contact may degrease the skin, resulting in non-allergic contact dermatitis. Eye contact may cause irritation.*

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

Other information: *Treat symptomatically.*

### **5. Fire-fighting measures**

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#### **5.1 Flammability**

*The product is water based and is not combustible.*

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

*Not available.*

#### **5.3 Advice for fire fighters**

*Not available.*

### **6. Accidental release measures**

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#### **6.1 Personal protections, protective equipment and emergency procedures**

*Avoid contact with skin and eyes. Wash clean with water.*

#### **6.2 Environmental precautions**

*Product and wash water are to be prevented from getting into drains or water courses.*



## 6.3 Methods and material for containment and cleaning up

Take up mechanically and send for disposal, see section 13.

## 6.4 Reference to other sections

See Section 8 regard personal protective equipment.

See section 13 regard waste management.

## 7. Handling and storage

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### 7.1 Precautions for safe handling

Take normal caution to avoid skin and eye contact. Observe standard industrial hygiene practices for the handling of chemical substances. Any waste is collected and returned to the recycling of waste paint.

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

Store at a temperature of + 5 ° C. Store in a dry place in tightly closed original container.

## 8. Exposure control / personal protection

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### 8.1 Exposure Standards

#### Substances with an exposure limit:

No known exposure limits.

### 8.2 Exposure controls

If used according to, there are no health risks. Observe the general safety and hygiene measures. Wash and nourish the skin after work.

Respiratory protection:	Good ventilation but no special protection is required. When spraying, use respiratory protection, half or full mask with P2 dust filter to protect against spray mists.
Hand, skin protection:	Work clothes and suitable gloves (such as Nitrile gloves).
Eye protection:	Safety eyewear.
Thermal hazard:	Non-flammable product.
Environmental exposure controls:	Avoid releases to water and drain.

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Thixotropic liquid.
Colour:	White.
Odour:	Mild, slight characteristic.
Odour threshold:	Not available.



<b>pH:</b>	8.7
<b>Melting/boiling range:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammability:</b>	Non-combustible materials. Product is converted into a thick layer of foam when exposed to high temperatures during a fire. The fine pore foam layer attenuates effectively the heat flow to the substrate.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Density:</b>	1390 kg/m <sup>3</sup>
<b>Solubility:</b>	Miscible with water.
<b>Viscosity:</b>	High viscous.
<b>Volatile % (w/w):</b>	32%

## 9.2 Other information

**VOC (bp <250°):** 20 g/l.

## 10. Stability and reactivity

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*There is no test data for the reactivity of this product. The products are chemically stable and have no reactivity therefore; it is not expected to produce hazardous reactions. There are no special requirements with regard to incompatible materials and no conditions to avoid.*

## 11. Toxicological information

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### 11.1 Information on toxicological effects

*There are no data available for the product itself.*

<b>Acute toxicity:</b>	<i>The product is not expected to cause any health hazard.</i>
<b>Irritation:</b>	<i>Long term exposure may cause skin irritation. Particles from the product may cause mechanical damage and cause eye irritation. Only by inhalation of spray mist may respiratory irritation occur.</i>
<b>Sensitisation:</b>	<i>Not known.</i>
<b>Repeated dose toxicity:</b>	<i>Not known.</i>
<b>Carcinogenicity:</b>	<i>Not known.</i>
<b>Mutagenic effects:</b>	<i>Not known.</i>
<b>Reproductive toxicity:</b>	<i>Not known.</i>



## 12. Ecological information

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### 12.1 Information on ecological effects

*There are no data available for the product itself.*

**Persistence and degradability** *Not available.*

**Bioaccumulative potential** *Not available.*

**Mobility in soil** *Not available.*

## 13. Disposal considerations

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### 13.1 Waste treatment methods

*Do not allow entering drains and watercourses. Waste should be disposed of according to local regulation. This product is not classified as hazardous waste.*

## 14. Transport information

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**UN-number:** *Not dangerous goods.*

**Proper shipping name:** *Not applicable.*

**Transport hazard class(es):** *Product is not classified as dangerous goods.*

**Packing group:** *Not applicable.*

**Environmental hazards:** *Product is not classified dangerous for the environment.*

**Special precautions for user:** *Transport by the user: Always transport the product in sealed package, upright. Ensure that persons transporting the product know what to do in case of an accident or spillage.*

## 15. Regulatory information

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### 15.1 HSNO Approval

*The preparation has been assessed following the New Zealand EPA method for the Assigning a Product to a HSNO Approval publication and is not classified as harmful. This preparation is not classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.*

### 15.2 Chemical safety assessment:

*No information available.*



## **16. Other information**

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**Prepared with reference to:** *Preparation of Safety Data Sheets, Approved Code of Practice under the HSNO Act [COP 8-1], New Zealand Chemical Industry Council Sep 2006.*

**Current Version:** *Dated 7 October 2016.*

### **Revision Information:**

*SDS may be revised from time to time, please ensure you have a current copy.*

*This revision: Updated to New Zealand standards, updated to be HSNO compliant, updated logo.*

*Previous revision dated: 27 September 2016, Suppliers (Protega) Safety Data Sheet.*

### **Disclaimer:**

*This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.*

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