

# Fabric Fire Retardant

Product name: Fabric Fire Retardant

Not classified as hazardous according to criteria of Worksafe Australia

UN NO: None Allocated  
PACK. GRP: None Allocated  
HAZCHEM: None Allocated  
POISON (SUSDP) NO: None Allocated  
D.G. CLASS: None Allocated  
E.G.P: Not Required  
SUB. Risk: None Allocated  
CAS No: None Allocated

## IDENTIFICATION

Other Names: Fire retardant fabric and textile treatment.

Uses: Treatment designed to retard the spread of flame and fire in fabrics and textiles. Normally applied by dipping or spraying.  
For use as a pre-treatment and in-situ.

### Physical Description / Properties

Appearance : Clear Liquid  
Boiling Point : 100+. C (water is solvent)  
Melting Point : -0. C (water is solvent)  
Vapour Pressure : 17.5 mm Hg @ 20 degrees Celsius  
Specific Gravity : 1.02 to 1.12  
Flash Point : Non-combustible  
Flammability Limits : Not Applicable  
Solubility in Water : Miscible with water

### Other Properties:

Auto-ignition Temperature : Not applicable  
Rel. Vapour Density : (Air = 1) < 1 (Water)  
pH : Neutral  
% Volatile by volume : 70 to 85



## INGREDIENTS

<u>Chemical Entity</u>	<u>CAS Number</u>	<u>Proportion %</u>
Propriety fire retardants ingredients determined not to be hazardous.	mixture	3 - 10
Poly phosphate ingredients determined not to be hazardous.	mixture	10 - 30
Water	7732-18-5	Balance

## HEALTH HAZARD INFORMATION

Acute:

- Swallowed: If swallowed may cause irritation to mouth and throat - contact a doctor.
- Eye: Direct contact with the eye may cause irritation.
- Skin: Direct contact with skin may cause slight irritation.
- Inhaled: Inhalation of the Vapour or mist can cause irritation of the nose, throat and lungs and cause headache and nausea.

Chronic May cause sensitization of the skin of some individuals.

First Aid

- Swallowed: If swallowed give two glasses of water to drink. Consult a Doctor. Never give anything by mouth to an unconscious person.
- Eye: In case of contact with eyes, rinse immediately with plenty of water. Contact a doctor if irritation persists.
- Skin: After contact with skin, wash thoroughly with soap and water. Consult a doctor if irritation persists.
- Inhaled: Move affected person to fresh air. If unwell contact a doctor.

First Aid Facilities Eyewash facilities should be available where this product is used.

Advice to Doctor: Treat symptomatically.

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## PRECAUTIONS FOR USE

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Exposure Standards:	No exposure standard allocated.
Engineering Controls:	Good ventilation required. Ensure a minimum capture velocity of 0.5 m/sec at point of application - use local exhaust ventilation in confined areas where applying by spray methods. Refer to Australian Standards AS 1668.
Personal Protection:	Respiratory Protection: When applying by spray an Australian Standard approved air purifying respirator (cartridge - ammonia/methylamine type) is recommended. Whenever workplace conditions warrant respiratory protection, protection must conform with the requirements of AS1715 and AS1716.
Eye Protection:	Eye protectors, goggles conforming to AS1337 recommended to prevent splashes entering eyes.
Hand Protection:	Avoid unnecessary skin contact. Wear PVC or Neoprene chemically resistant gloves to prevent prolonged exposure and when handling large spills.
Flammability:	Non-combustible.

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## SAFE HANDLING INFORMATION

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Storage and Transport:	Dangerous Goods Class: None Allocated. Subsidiary Risk: None Allocated.
Storage Conditions:	Store in cool dry protected area. Recommended storage temperature is a minimum of 5°C to a maximum of 35°C.
Transport:	Not classified as Dangerous goods. No special procedures required. No EPG (Emergency Procedure Guide Required).
Spills and Disposal:	Spills and leak handling information:
Personal protection:	Refer Precautions for Use Information for recommended eye and hand protection measures.
First Aid:	If exposed during clean up, Refer Health Hazard Information section for recommended first aid.

## RECOMMENDED CLEAN UP PROCEDURES

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Floor may be slippery, use care to prevent falling.

Contain spills immediately      Use inert absorbent material (eg sand, earth). Transfer both the spilled liquid and the solid absorbent material to suitable containers for recovery or disposal.

Prevent material entering drains or watercourses.  
Dispose of in accordance with local government regulations for the disposal non-hazardous paint waste.

Fire/Explosion Hazard:      Product is water based and non-flammable.

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Combustion products:      Oxides of carbon and nitrogen, ammonia, phosphoric acid.

Extinguishing agents:      Use extinguishing method appropriate to surrounding fire.

Personal Protective Equipment: Wear self-contained breathing apparatus

Other Information:      Toxicity Data: No specific product toxicity data available.

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The information contained in this Material Safety Data Sheet is based on data believed by Prudential Coatings P/L to be accurate and is subject to change without notice. The information is provided with the intention to assist in the use of the above mentioned product in a safe manner, but no warranty is given, either expressed or implied as to the accuracy, completeness or otherwise. The data given does not signify any warranty with regard to the above mentioned product properties.