

## 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: WeatherSeal

Other names: Air Dry Intumescent Sealer

Recommended use: Weather sealer for intumescent coatings during construction phase.

Product codes: Not Assigned

Supplier: Fireshield, a division of Fire Protection Coatings Limited

NZBN: 9429041746059

Address: Level 1, 60 Cashel Street, Christchurch 8013, New Zealand

Contact Number: Ph: 0800 FIRESHIELD (0800 347374)

Email: info@fireshieldcoatings.com
Website: www.fireshieldcoatings.com

Emergency Number: Ph: 111- Police, Ambulance and Fire Brigade

Poison Information Centre: Ph: 0800764766

## 2. HAZARDS IDENTIFICATION

HSNO approval code: HSR002669

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Classified as a Dangerous Good according to the NZS 5433 – Transport of Dangerous Goods on Land.

### 2.1 Hazard Classification of the substance or mixture:

Flammable liquids - Category 3

Acute toxicity (oral) - Category 4

Skin irritation - Category 2

Skin sensitisation Category 1

Eye irritation - Category 2

Carcinogenicity - Category 2

Germ cell mutagenicity Category 2

Reproductive toxicity - Category 2

Specific target organ toxicity - repeated exposure Category 2

Specific target organ toxicity - single exposure Category 3 narcotic effects

Hazardous to the aquatic environment chronic Category 4

### WARNING:







## 2.2 HSNO Classification and Hazard Statements:

3.1C H226 - Flammable liquid and vapour.

6.1E (aspiration hazard) H305 - Harmful if swallowed. 6.3A H315 - Causes skin irritation

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6.4A	H319 - Causes eye irritation	
6.5B	H317 - May cause allergic reaction	
6.7B	H351 - Suspected of causing cancer	
6.8B	H361 - Suspected of damaging fertility or the unborn child	
6.9B	H371 - May cause damage to organs through prolonged or repeated exposure.	
9.1B	H411 - Toxic to aquatic life with long lasting effects.	
9 2A	H421 - Very toxic to the soil environment	

### 2.3 Precautionary Statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/eye/face protection.
- P281 Use personal protective equipment as required.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Refer Section 4 First aid measures of this Safety data sheet
- P331 Do NOT induce vomiting.
- P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P332 + P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before re-use.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
- P370 + P378 In case of fire: Use dry chemical, carbon dioxide, regular foam extinguishing agent for extinction
- P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- P405 Store locked up.

## 2.4 Other hazards

### **Health hazard:**

Long lasting and repeated exposure to solvent vapours above the occupational exposure limits may be seriously detrimental to health and result in adverse health effects such as mucous membrane and respiratory system irritation. It may cause permanent nerve damage. Repeated exposure may cause skin dryness or cracking.

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#### Fire:

Prevent formation of flammable or explosive concentrations of vapour in air. Avoid vapour concentrations above the occupational exposure limits. Ventilate well. Keep away from open flame or other ignition sources. The product may build up electrostatic charges. Ground all equipment. Prevent sparks from static electricity. Operators should wear antistatic footwear and clothing

## **Physical / Chemical Hazards:**

May cause damage to seals, certain painted surfaces, protective grease layers and materials of natural rubber.

### **DANGEROUS GOOD CLASSIFICATION**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: 3

3. COMPOSITION					
Ingredient	% by weight	TLV (TWA)			
Xylene	4.0%	217 mg/m3	50ppm		
Hydrocarbon 150	20.0%	No est	100ppm		
SBS Hydrocarbon	11.0%	1600 mg/m3	400ppm		

### 4. FIRST AID MEASURES

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## 4.1 Description of first aid measures:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone: New Zealand 0800 764 766). If medical advice is needed, have product container or label at hand.

**Inhalation:** Remove to fresh air. Keep person warm and at rest. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice. If INHALED and symptoms develop, or you feel unwell: call NZ Poisons Information Centre (0800 764 766). Do NOT induce vomiting.

**Skin contact:** For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. Seek medical attention.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Symptoms and effects – acute and delayed: Inhalation may cause headache, dizziness, fatigue and nausea. Long lasting and repeated exposure to solvent vapours above limits can be seriously detrimental to health and result in adverse health effects such as mucous membrane and respiratory system irritation and may cause permanent nerve damage. Repeated or prolonged contact may dry and irritate the skin and cause skin dryness or cracks. Eye contact causes irritation. May cause vomiting, stomach pains and same symptoms as by inhalation of vapours. Because of "naphtha" (see point 3) there

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is a risk for lung damage if swallowed

**Notes to physician:** Treat symptomatically.

**4.2** Indication of any immediate medical attention and special treatment needed: IF exposed or concerned: Get immediate medical advice/attention.

#### Information to medics:

Bring this safety data sheet or the label from this product.

### 5. FIRE-FIGHTING MEASURES

**Flashpoint** 37 degrees Celsius

Flammability Limit 1.0 (Lower)

**Extinguishing Media** Foam, carbon dioxide, dry chemical.

**Hazardous Composition Products** May form toxic materials such as Carbon Monoxide and Carbon Dioxide.

Special Firefighting Procedures Call Fire Service and tell them of location and nature of hazard. Water or

Foam may cause frothing that can be violent, especially if sprayed into containers of hot burning liquid. Self-contained breathing apparatus with full face piece should be used. Closed containers can be kept cool by water spray. Make sure of adequate supplies of extinguishing material available.

Unusual fire and Explosion Hazards Vapours are heavier than air and may travel along ground and move by

ventilation and ignite at a point far from the source. Sumps and drains

should be checked for signs of accumulation.

**Firefighting Personal Protective** 

**Equipment** Full protective clothing and self-contained breathing apparatus.

Water rinse shower available.

## 6. ACCIDENTAL RELEASE MEASURES

### **6.1 SMALL SPILLS**

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

## **6.2 LARGE SPILLS**

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Use a spark-free shovel. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: 14

## 6.4 Reference to other sections:

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

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## 7. HANDLING AND STORAGE

## 7.1 Precautions for safe handling:

Keep out of reach of children.

Read label and safety data sheet before use.

Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Keep away from sources of ignition.

Ground / bond receiving equipment and use explosion-proof electrical equipment.

Take precautionary measures against static discharge.

Prohibit eating, drinking and smoking in work areas.

Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storing or re-using.

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

Store in a cool, dry, well-ventilated place and out of direct sunlight.

Store away from foodstuffs.

Store away from incompatible materials described in Section 10.

Store away from sources of heat or ignition.

Keep containers closed when not in use - check regularly for leaks.

Store locked up.

This material is classified as a Dangerous Good Class 3 Flammable Liquid and must be stored in accordance with the relevant regulations.

## 7.3 Specific end use(s):

This product should only be used for applications quoted in section 1.2.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 National occupational exposure limits:

Contains > 20 % Aromatic Hydrocarbon solvent. Make sure level maintained below TLV of 50 ppm or provide personal protective equipment to suit.

As published by the \*Workplace Exposure Standards for Airborne Contaminants – 2018 (Safe Work Australia) and †Workplace Exposure Standards and Biological Exposure Indices – 2018 (WorkSafe New Zealand and Department of Labour New Zealand).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric

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contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

## **Biological Exposure Monitoring:**

Component	CAS/ Identification	BEI
Xylene	1330-20-7	1.5 g/L
Toluene	108-88-3	0.03 mg/L
		0.3 mg/g (creatinine)

As published in the Workplace Exposure Standards and Biological Exposure Indices – 2018 (WorkSafe New Zealand and Department of Labour New Zealand).

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

- 8.2 Engineering measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.
- 8.4 Personal protection equipment: G: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR. Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.
- 8.5 Hygiene measures: When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Liquid (grey) Odour Hydrocarbon 110°- 240°C **Boiling Point** Flash Point 35° C Solubility in Water None Specific Gravity 1.3

ph. Value Not applicable Vapour Pressure Not Available

Vapour Density 3.3

**Evaporation Rate** 0.5 (BA=1)**Volatile Component** 40 %

Flammability Flammable Liquid **Autoignition Temp** Not Established Flammability Limits Lower 1.1 Upper 7.1

Coloured flammable liquid with a mild solvent odour, which does not mix with water but will form a thin layer on water surface.

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## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions

**Conditions to Avoid** Heat, Direct Sunlight, open flames, or other ignition sources

**Materials to Avoid** Strong oxidising agents

**Hazardous Decomp** Carbon monoxide, Carbon dioxide, fumes

**Products** 

**Hazardous Reactions** May react with incompatible materials

**Hazardous** Will not occur

Polymerization

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Toxicity** No toxicology data available for this product

**Health Effects Swallowed** Harmful. Ingestion of this material may irritate the gastric tract and

cause nausea and vomiting.

**Eye Contact** May cause eye irritation, stinging, redness and blurred vision.

**Skin Contact** May cause itching, redness, and irritation

**Chronic Effects** Prolonged contact with skin may cause dermatitis.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No ecological data is available for this product.

Persistence / Degradability Not readily biodegradable.

Mobility Air/Water Slow loss by evaporation, product spreads on surface of water.

**Enviro Protection** Avoid contaminating waterways, soil, drains and sewers.

## 13. DISPOSAL INFORMATION

Ther are no specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents. Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.

Contaminated packaging Disposal of contaminated packaging must comply with the Hazardous Substances

(Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package.

If possible, reuse or recycle packaging

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**Liquid** Dispose of waste through an approved facility.

**Containers** Dispose of containers through metal recycler once empty containers have

dried and hardened.

## 14. TRANSPORT INFORMATION

## 14.1 ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods according to NZS 5433 (Transport of Hazardous Substances on Land). Considered dangerous goods for transport.

UN number: 1263 Dangerous Goods Class(es) 3

**Precautions:** Flammable liquid

Proper shipping name: PAINT
Packing group: III
Hazchem code: 3Y



## **14.2 MARINE TRANSPORT**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN number: 1263

Dangerous Goods Class(es) 3

**Precautions:** Flammable liquid

Proper shipping name: PAINT
Packing group: III
Hazchem code: 3Y



## **14.3 AIR TRANSPORT**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN number: 1263 Dangerous Goods Class(es) 3

**Precautions:** Flammable liquid

Proper shipping name: PAINT
Packing group: III
Hazchem code: 3Y



This material is classified as a class 3 – Flammable Liquid according to NZS 5433: 1999 Transport of Dangerous Goods on Land.

This material must not be loaded in the same freight container or the same vehicle with:

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Class 2.1 Explosives
Class 2.3 Flammable Gases
Toxic Gases

Class 4.2 Spontaneously Combustible Substances

Class 5.1 Oxidising substances

Class 5.2 Organic Peroxides

Class 7 Radioactive materials unless specifically exempted

Must not be loaded in the same freight container, but can be in the same vehicle if separated horizontally by a distance of 3 metres:

Class 4.3 Dangerous when wet substances.

Goods of packing group II or III may be loaded in the freight container or the same vehicle if transported in segregation devices with:

Class 4.2 Spontaneously Combustible Substances
Class 4.3 Dangerous when wet substances

Class 5.1 Oxidising substances Class 5.2 Organic Peroxides

## **15. REGULATORY INFORMATION**

## 15.1 HSNO Group Standard.

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). All ingredients appear on the NZIoC.

EPA Group Standard: HSR002669 - Surface Coatings and Colourants (Corrosive) Group Standard

2020.

## This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)

Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

Key requirements are:

SDS To be available within 10 minutes in workplaces storing any quantity.

Inventory An inventory of all hazardous substances must be prepared and

maintained.

Packaging All hazardous substances should be appropriately packaged including substances

that have been decanted, transferred or manufactured for own use or have been

supplied

Labelling Must comply with the Hazardous Substances (Labelling) Notice 2017.

Emergency plan Required if > 1000L is stored.

Certified handler Required if > not required is handled or stored.

Tracking This substance is required to be tracked if > not required is present.

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Bunding & secondary containment Required if > 1000L is stored.

Signage Required if > 1000L is stored.

Location compliance certificate Required if > 500L (containers >5L), 1500L (containers ≤5L), 250L (in use)

is stored.

Flammable Zone Must be established if > 100L (closed containers), 25L (decanting), 5L

(open occasionally), 1L (in use), stored in any one location is stored.

Fire extinguisher If > 500L present.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

Other Legislation In New Zealand, the use of this product may come under the Resource Management Act and

Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional

**Council Plans** 

Labelling Class 3, Flammable Liquid

Poisons Schedule S4

Hazard Category Harmful

## **16. OTHER INFORMATION**

Fireshield has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside of the Company's control. End users are obliged to conform to relevant Local Government regulations.

## **Abbreviations**

Approval Code Approval HSR002669, Surface Coatings and Colourants (Flammable, Toxic [6.7])

Group Standard 2017 Controls, EPA. www.epa.govt.nz

CAS Number Unique Chemical Abstracts Service Registry Number

Ceiling Exposure Value: The maximum airborne concentration of a biological or

chemical agent to which a worker may be exposed at any time.

**EC**<sub>50</sub> Ecotoxic Concentration 50% − concentration in water which is fatal to 50% of a test

population (e.g. daphnia, fish species)

**EPA** Environmental Protection Authority (New Zealand)

HAZCHEM Code Emergency action code of numbers and letters that provide information to

emergency services, especially fire fighters

**HSNO** Hazardous Substances and New Organisms (Act and Regulations)

IARC International Agency for Research on Cancer
LEL/UEL Lower Explosive Limit/ Upper Explosive Limit

 $LD_{50}$  Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).  $LC_{50}$  Lethal Concentration 50% – concentration in air which is fatal to 50% of a test

population (usually rats)

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MSDS (SDS) Material Safety Data Sheet (or Safety Data Sheet)

**NZIoC New Zealand Inventory of Chemicals** 

STEL Short Term Exposure Limit - The maximum airborne concentration of a chemical or

biological agent to which a worker may be exposed in any 15-minute period,

provided the TWA is not exceeded

**TWA** Time Weighted Average – generally referred to WES averaged over typical work day

(usually 8 hours)

**UN Number United Nations Number** 

WFS Workplace Exposure Standard - The airborne concentration of a biological or

> chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's

breathing zone.

References

References

Data Unless otherwise stated comes from the EPA HSNO chemical classification

information database (CCID).

**Controls** EPA notices, www.epa.govt.nz, Health and Safety at Work (Hazardous Substances)

Regulations 2017, www.legislation.govt.nz

WES The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and

available on their web site - www.worksafe.govt.nz.

**Current Version:** 17 November 2025

**Revision Information:** SDS will be revised every 5 years. This revision: Updated to meet NZ standards

Previous version dated: 16 May 2025

### 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. Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, no warranty or responsibility can be accepted for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information. The user is responsible for that last revision of this document is used. Please check on www.fireshieldcoatings.com

End of SDS

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