

Material Safety Data Sheet

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: WoodSafe-Interior
Other names: Not Assigned
Recommended use: Fire rated treatment for timber
Product codes: Not Assigned

Supplier: Fireshield, a division of Fire Protection Coatings Limited
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Contact Number: Ph: 0800 FIRESHIELD (0800 347374)
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Poison Information Centre: Ph: 0800764766

2. HAZARDS IDENTIFICATION

Physical Hazards Classified based on specific concentration limits
Hazard Pictogram Not Applicable
Sign Words Not applicable
Hazard Statements Not applicable

3. COMPOSITION

Mixtures Chemical Name	CAS Number	Proportion
Disodium tetraborate pentahydrate	12179-04-3	<6.5%
Boric Acid	10043-35-3	<5.5%

4. FIRST AID MEASURES

Inhalation: In case of inhaling large amounts of smoke, fog or dust, flush nose, mouth and throat with water. If symptoms occur seek medical advice.

Skin contact: Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician. Remove contaminated clothes.

Eye contact: For safety reasons, flush eyes with water; If symptoms occur, seek medical advice. If dust has come in contact with eyes, do not rub.

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Ingestion:	Swallowing is unlikely.
Symptoms and effects – acute and delayed:	No further relevant information available.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Special hazards:	The product is not hazardous in the flammable sense. Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.
Firefighting further advice:	Use water spray to cool fire exposed surfaces and to protect personnel. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Wood dust may form explosive mixtures with air.
Hazardous combustion products:	On burning may emit toxic fumes, including oxides of carbon and nitrogen.
Unsuitable extinguishing media:	Among common extinguishing agents there are none that are overtly unsuitable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Wash your hand after all sanitizing work. Do not inhale dust and avoid contact with skin, eyes and clothes when cleaning up spill.
Methods and materials for containment and cleaning up:	Collect. Avoid stirring the material up so that it aerates
Environmental precautions:	Collect and recycle if possible.
Reference to Other Sections:	See also section 8 and 13.

7. HANDLING AND STORAGE

Handling:	Store this product separately from food items and keep it out of the reach of children and pets. Avoid handling in a manner which will raise dust. The usual precautions for handling chemicals should be observed. Implement appropriate engineering controls if necessary, see Section 8.
Storage:	Do not store above normal room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Technical control measure:

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source.

Exposure Controls:

The hazards that the product or its constituents entail must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

DNEL Boric Acid (10043-35-3):

	Type of exposure	Route of exposure	Value
Consumer	Chronic System	Inhalation	4.15mg/m3
Worker	Chronic System	Dermal	3924.8 g/d
Worker	Chronic System	Inhalation	8.3 mg/m3
Consumer	Acute System	Oral	0.98 mg/kg bw/d
Consumer	Chronic System	Oral	0.98 mg/kg bw/d
Consumer	Chronic System	Dermal	0.98 mg/kg bw/d

Eye protection:

Wear safety glasses with side shields or safety goggles when sawing or cutting.

Hand protection:

Protective gloves are normally not needed due to the properties of this product but may be necessary for other reasons. e.g., mechanical risks, temperature conditions or microbiological risks

Skin Protection:

Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear and impervious gloves.

Environmental exposure controls:

No specific measures needed.

Respiratory Protection:

Use appropriate breathing apparatus during sanding and/or other dust forming handling. The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task. Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended: P2/P3.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- a) **Appearance Form:** Wood.
- b) **Odour** Not indicated
- c) **Odour threshold** Not indicated
- d) **pH** Not indicated
- e) **Melting point/freezing point** Not indicated
- f) **Initial boiling point and boiling range** Not indicated
- g) **Flash point** Not indicated
- h) **Evaporation rate** Not indicated

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i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	Not indicated
n) Solubility	Not indicated
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	The product contains no substances which can lead to hazardous reactions at normal use
Chemical stability:	The product is stable at normal storage and handling conditions..
Hazardous reactions:	No hazardous reactions known.
Conditions to avoid:	No data available.
Incompatible materials:	Not indicated.
Dangerous decomposition products:	Does not decompose to hazardous substances.

11. TOXICOLOGICAL INFORMATION

Respiratory or skin sensitisation:	The product is not classified as sensitizing.
Skin corrosion/irritation:	The product is not classified for skin corrosion/irritation.
Eye contact:	Dust may irritate the eyes, the product is not classified for serious eye damage/eye irritation.
Ingestion:	Not applicable due to the form of the product.
Respiratory or skin sensitisation:	The product is not classified as sensitizing.
Skin corrosion/irritation:	The product is not classified for skin corrosion/irritation.
Eye contact:	Dust may irritate the eyes, the product is not classified for serious eye damage/eye irritation.
Ingestion:	Not applicable due to the form of the product.

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Information on toxicological effects:	Not indicated.
Acute toxicity:	The product is not classified as acutely toxic.
BORIC ACID	LD50 rabbit 24h: > 2000 mg/kg Dermally LC50 rat 4h: > 2 mg/l Inhalation LD50 rat 24h: 2660 mg/kg Orally
Germ cell mutagenicity:	The product is not classified as mutagen.
Carcinogenicity:	The product is not classified as carcinogenic.
Reproductive toxicity:	The criteria for classification cannot be considered fulfilled based on available data.
STOT-single exposure:	The product is not classified for specific organ toxicity after single exposure.
STOT-repeated exposure:	The product is not classified for specific organ toxicity after repeated exposure.
Aspiration hazard:	The product is not classified as being toxic for aspiration.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not considered environmentally hazardous. Data lacking.
BORIC ACID	LC50 fathead minnow (<i>Pimephales promelas</i>) 96h: 456 mg/l LC50 Freshwater water flea (<i>Daphnia magna</i>) 48h: 760 mg/l EC50 Algae (<i>Pseudokirchneriella subcapitata</i>) 72h: 229 mg/l
Mobility in soil:	Information about mobility in nature is not available.
Persistence and degradability	The product degrades in the natural environment.
Bio accumulative potential	Neither this product, nor its contents, accumulates in nature.
Other adverse effects	Not indicated.

13. DISPOSAL INFORMATION

Disposal Methods:	Discarded products must be disposed of as hazardous waste in accordance with regulations. May not be disposed of with household waste. Observe local regulations.
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14. TRANSPORT INFORMATION

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This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

UN Number:

Not applicable.

Official transport name:

Not applicable.

15. REGULATORY INFORMATION

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

Not indicated.

Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I.

Not yet been performed

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.

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: 12 July 2021

Revision Information: SDS will be revised every 5 years.

This revision: Updated to meet NZ standards

Previous version dated: -

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

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