

Fireshield Timber One Topcoat

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name:	Fireshield TimberOne Top Coat
Other names:	Not Assigned
Recommended Use:	Water based sealer coat
Product codes:	Not Assigned
Group Approval:	Not Applicable
Supplier:	Fireshield, a division of Fire Protection Coatings Limited
NZBN:	9429041746059
Address:	825 Colombo, 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: 0800 764 766

2. HAZARDS IDENTIFICATION

Classified as not hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

HSNO Classification	:	Not applicable as there are no known hazards
Prevention statement	:	Not applicable as there are no known hazards

3. COMPOSITION INFORMATION

3.1 Substances

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

3.2 Mixtures

Product/Subject	Identifier	% w/w	Classification	Note
Dipropylene Glycol Methyl Ether	CAS No.: 34590-94-8 EG-nr.: 252-104-2 REACH: 01-2119450011-60-XXXX Indexnr.:	1- 3%		[1]
2-butoxietanol;butylglykol	CAS-nr.: 111-76-2 EG-nr.: 203-905-0 REACH: 01-2119475108-36-XXXX Indexnr.: 603-014-00-0	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
1,2-benzisothiazole-3(2H)-on	CAS-nr.: 2634-33-5 EG-nr.: 220-120-9 REACH: 01-2120761540-60-XXXX Indexnr.: 613-088-00-6	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0,05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	
5-chloro-2-methyl-2H-isothiazol-3-one : 2-methyl-2H-isothiazol-3-one (3:1)	CAS-nr.: 55965-84-9 EG-nr.: 911-418-6 REACH: 01-2120764691-48-XXXX	<0.0015%	EUH071 Acute Tox. 3, H301 Acute Tox. 2, H310	

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Indexnr.:

Skin Corr. 1C, H314 (SCL: 0,60 %)
Skin Irrit. 2, H315 (SCL: 0,06 %)
Skin Sens. 1A, H317 (SCL: 0,0015 %)
Eye Dam. 1, H318
Acute Tox. 2, H330
Aquatic Acute 1, H400 (M=100)
Aquatic Chronic 1, H410 (M=100)

Full wording of the H-phrases can be found in section 16. Occupational exposure limits can be found in section 8 - if available.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing difficulties occur, seek medical advice.

Skin contact: For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. Seek medical assistance if symptoms remain

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

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Seek medical advice.

Most important symptoms caused by exposure, acute and delayed: Frequent or repeated contact may degrease the skin, resulting in non-allergic contact dermatitis. Eye contact may cause irritation.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammability - The product is water based and is not combustible.

Extinguishing media – Not applicable.

Hazardous combustion products: Carbon oxides may be formed.

Special hazards arising from the substance or mixture - Not available.

Advice for fire fighters - Use suitable protective equipment.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Place in a suitable, labelled container for waste disposal.

LARGE SPILLS

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. 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. If contamination of sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

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7.1 Handling:

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

Storage temperature > 5°C to < 35°C.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Dipropylene Glycol Methyl Ether Short-term limit value (15 minutes) (ppm): 75

Short-term limit value (15 minutes) (mg/m³): 450

Level limit value (8 hours) (ppm): 50

Level limit value (8 hours) (mg/m³): 300 Notes:

H = The substance can be easily absorbed through the skin. V = Indicative short-term limit value.

2-butoxyethanol; butylglycol Short-term limit value (15 minutes) (ppm): 50

Short-term limit value (15 minutes) (mg/m³): 246

Level limit value (8 hours) (ppm): 10

Level limit value (8 hours) (mg/m³): 50 Notes:

H = The subject can easily is occupied through the skin.

DNEL:

2-butoxyethanol; butyl glycol

Duration:	Route of exposure:	DNEL:
Short-term – Local effects - General population	Inhalation	147 mg/m ³
Short-term – Local effects - Workers	Inhalation	246 mg/m ³
Brief – Systemic effects - General population	Inhalation	426 mg/m ³
Brief – Systemic effects - Workers	Inhalation	1091 mg/m ³
Prolonged – Systemic effects - General population	Inhalation	59 mg/m ³
Prolonged – Systemic effects - Worker	Inhalation	98 mg/m ³
Brief – Systemic effects - General population	Orally	26.7 mg/kgbw/d
Prolonged – Systemic effects - General population	Orally	6.3 mg/kgbw/d

Dipropylene Glycol Methyl Ether

Duration:	Route of exposure:	DNEL:
Prolonged – Systemic effects - General population	Skin	121 mg/kgbw/d
Prolonged – Systemic effects - Worker	Skin	283 mg/kgbw/d
Prolonged – Systemic effects - General population	Inhalation	37.2 mg/m ³
Prolonged – Systemic effects - Worker	Inhalation	308 mg/m ³

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Prolonged – Systemic effects - General population

Orally

36 mg/kgbw/d

PNEC:

No data available.

Exposure controls:

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

Biological exposure monitoring: No exposure limits set in the *Workplace Exposure Standards and Biological Exposure Indices (2018)*.

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.

Personal protection equipment: G: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Skin: Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. 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.

Eyes: Splash resistant Safety Glasses with side shields or safety goggles (AS/NZS 1337) are recommended.

Inhalation: If inhalation risk exists wear organic vapour/particulate respirator (half or full mask with P1 dust filter) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

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

Physically state:	Liquid
Color:	Transparent White
Smell / Odor threshold (ppm):	Characteristic
pH :	7-9
Density (g/cm ³):	1.04
Relative density:	1.04 (20 °C)
Kinematic viscosity:	Testing is not relevant or possible for this type of product.
Particle properties:	Not available applicable

Phase changes:

Melting point/freezing point (°C):	No applicable
Soft point/soft point range (waxes and pastes) (°C):	Does not apply to liquids.
Boiling point (°C):	No applicable
Vapor pressure:	2320 Pa (20 °C)
Vapor density:	Not available applicable
Decomposition temperature (°C):	Not available applicable

Fire- and explosion hazards:

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Flash-point (°C):	70
Flammability (°C):	238
Auto-ignition temperature (°C):	No
Explosion limits (% v/v):	Not applicable

Solubility:

Solubility in water:	Full soluble
n-octanol/water coefficient:	Not applicable
Solubility in fat (g/L):	Not applicable

Other information:

Evaporation rate (n-butyl acetate =	Ej applicable 100):
VOCs (g/L):	67
Other physical and chemical parameters:	No data available.
Oxidizing properties:	Not applicable

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

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. Incompatible materials include strong acids, strong bases, strong oxidizing agents, and strong reducing agents. There are no conditions to avoid.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not fulfilled based on available data.

Corrosive/irritant on the skin:

Not fulfilled based on available data.

Serious eye damage/eye irritation:

Not fulfilled based on available data.

Respiratory sensitization:

Not fulfilled based on available data.

Skin sensitization:

The product contains substances that can trigger an allergic reaction in already sensitized people.

Mutagenicity in gametes:

Not fulfilled based on available data.

Carcinogenicity:

Not fulfilled based on available data.

Reproductive toxicity:

Not fulfilled based on available data.

Specific organ toxicity – Single exposure:

Not fulfilled based on available data.

Specific organ toxicity – repeated exposure:

Not fulfilled based on available data.

Danger at aspiration:

Not fulfilled based on available data.

Other Information:**Long-term effects:**

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No known.

Hormonal disruptors characteristics:

This product contains no substances considered to have endocrine disruptor properties with respect to health.

Other information:

2-butoxyethanol; butyl glycol: The substance is classified in group 3 of IARC.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available.

12.2. Persistence and degradability:

No data available.

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and The vPvB assessment:

This product does not contain substances considered to meet the criteria for classification as PBT and/or vPvB substances.

12.6. Hormonal disruptors properties:

This product does not contain substances considered to have endocrine disruptor properties in ratio to the environment.

12.7. Others harmful effects:

None known.

13. DISPOSAL CONSIDERATIONS

Recycle wherever possible. Do not allow to enter drains and watercourses. Waste should be disposed of according to local regulation. Bulk or contaminated product may be disposed of through an approved hazardous waste contractor. Small quantities may be disposed of through normal household/commercial waste removal facilities. This product is not classified as hazardous waste. Packaging with residual contents of the product must be disposed of in the same way as the product.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to NZS 5433, ADR, IATA and IMDG.

UN No:	Not dangerous good
Proper Shipping Name:	Not applicable
Dangerous Goods Class:	Not applicable
Packing Group:	Not applicable

15. REGULATORY INFORMATION

The product 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) Notice 2017.

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Restrictions on Use:

Pregnant and breastfeeding women should not be exposed to the product therefore consider precautions in the workplace to avoid this.

Need for Special Education:

Not required.

SEVESO - Hazard categories / Hazardous substances:

Not applicable.

Other:

No applicable.

Chemical safety assessment:

No

16. OTHER INFORMATION

Wording for H phrases as specified in section 3:

EUH071, Corrosive on the airways. H301, Toxic if swallowed.
H302, Harmful upon ingestion.
H310, Deadly at skin contact.
H314, Causes serious burns to skin and eyes. H315, Irritating to skin.
H317, Can cause allergic skin reaction. H318, Causes serious eye damage.
H319, Causes serious eye irritation. H330, Fatal if inhaled.
H332, Harmful upon inhalation.
H400, Very toxic for aquatic organisms.
H410, Very toxic for aquatic organisms with long-term effects.

Abbreviations / Terminology:

AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	Chemical Classification and Information Database
HSNO	Hazardous Substances and New Organisms (New Zealand)
NZS 5433	Transport of Dangerous Goods on Land
NZS	New Zealand Standard SDS Safety Data Sheet
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard.
ADR	European agreement If transport of dangerous goods on route ATE = Estimated Acute Toxicity
BCF	Bioconcentration factor
CAS	Registration number assigned by Chemical Abstract Services CE = Conformité Européenne (In compliance with EU directives)
CLP	of the European Parliament and of the council regulation (EC) 1272/2009 (CLP) If classification, marking and packaging of substances and mixtures
CSA	Chemical Safety Assessment CSR = Chemical Safety Report
DNEL	Derived zero effect level (Derived no Effect level)
EINECS	European Inventory of Existing Commercial chemical Substances ES = Exposure scenario
EWC	European the waste catalogue
GHS	Globally Harmonized System for Classification and Labeling of Chemical Substances and Preparations
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LogPow	The logarithm of the distribution coefficient octanol/water

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MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD	Organisation for Economic Co-operation and Development
PNEC	Concentration as likely not causes negative effect
REACH	Registration, evaluation, approval and limitation of chemicals (Regulation (EC) no 1907/2006)
RRN	REACH registration number
SCL	Specific concentration limitation.
STOT-RE	Specific target organ toxicity - repeated exposure
STOT-SE	Specific target organ toxicity - single exposure SVHC = Particularly hazardous substances
UVBC	Substances with unknown or varying composition, complex reaction products or biologically material.
UN	United Nations
VOCS	Volatile organic substances
vPvB	Very persistent and very bioaccumulative

Other:

Not applicable.

Safety data sheet is validated when:

READ

Prepared with reference to: EPA - *Hazardous Substances (Safety Data Sheets) Notice 2017*.

Current Version: 01 May 2024

Revision Information: SDS will be revised every 5 years.

This revision: Updated to meet New Zealand requirements.

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 by Chemsafety Ltd 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 the 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