

## SAFETY DATA SHEET

### Section 1 Identification of the material and the supplier

Product: **FramePro Treated Radiata Pine**  
 Product Use: Timber components for use in structures in protected situations where insect and fungal decay resistance is required.  
 Other names: Boric treated softwood  
 New Zealand Supplier: McAlpines (Timber) Limited  
 Address: 7 Ellis Road,  
 Southbrook, Rangiora  
 New Zealand  
 Telephone: (03) 313 8339  
 Fax Number: (03) 313 3767  
 Emergency Telephone: **03 313 8339**  
 Date of SDS Preparation: 26 August 2022

### Section 2 Hazards Identification

**This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

### Section 3 Composition / Information on Ingredients

Name	CAS Number	Weight %
Pinus Radiata – Timber	N/A	> 90
Wood preservative residuals as Disodium Octaborate Tetrahydrate	12008-41-2	0.1 – 3
Benzalkonium chloride	8001-54-5	0.1 – 1
Mono Ethylene Glycol	107-21-1	1 – 5

### Section 4 First Aid Measures

Routes of Exposure:

If in Eyes: Hold eyes open and carefully rinse eyes with running water for several minutes. Seek medical advice if irritation persists.

If on Skin: Brush off dust. Rinse skin with soap and water or shower. If skin irritation occurs, get medical attention. Get medical advice if pierced by splinters.

If Swallowed: Rinse mouth. Do not induce vomiting unless told to do so by a medical professional. Seek medical attention if you feel unwell.

If Inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. If experiencing respiratory symptoms: Seek medical attention.

**Section 5 Fire Fighting Measures**

<b>Hazard Type</b>	Combustible material
<b>Hazards from decomposition products</b>	Avoid breathing smoke or fumes that may contain hazardous decomposition products. Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.
<b>Suitable Extinguishing media</b>	Water spray.
<b>Precautions for firefighters and special protective clothing</b>	Wear personal protection equipment and self-contained breathing apparatus. Wood dust may form explosive mixtures with air.
<b>HAZCHEM CODE</b>	None Allocated

**Section 6 Accidental Release Measures**

**GENERAL:**

Wear appropriate personal protective equipment. Avoid any contact with skin or eyes.

Dispose of treated off cuts to authorised landfill. Consult Regional Council for disposal options  
Clean spillage area with detergent and water. Wash and dry any contaminated protective equipment before re-use.

**Section 7 Handling and Storage**

**HANDLING:**

- Wear protective clothing.
- Wash hands before smoking, eating, drinking or using the toilet
- Keep away from sparks, open flames, hot surfaces. No smoking.

**STORAGE:**

- Store in a dry, well-ventilated place, away from sources of heat or ignition
- Store away from incompatibilities listed in Section 10.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Wood dust (soft wood)		2		
Borates, tetra, sodium salts (pentahydrate)		1		
Ethylene glycol (vapour and mist)	Ceiling -	50	127	

**ENGINEERING CONTROLS:**

Use with mechanical dust extraction or in well-ventilated area or outside.  
Avoid sawing or sanding of timber that is wet (not dry) with the preservative treatment

**PERSONAL PROTECTIVE EQUIPMENT:**

<b>Eyes</b>	Wear goggles, full face shield, or safety glasses with side shields when cutting this product.
<b>Hands and Skin</b>	Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear. Wear puncture-resistant gloves (e.g. leather) when handling dry wood, or rubber gloves if the surfaces are wet with preservative.
<b>Respiratory</b>	Use in well-ventilated area or outside. Wear dust mask if wood dust is generated.
<b>General</b>	Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Machined or rough-sawn pine timber and timber-based products; may be a pink/red colour, natural wood colour or may be painted
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Combustible
<b>Upper and Lower Explosive Limits</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Density at 20°C</b>	0.4 – 0.6 g/cm <sup>3</sup>
<b>Solubility in water</b>	Insoluble
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available
<b>% Volatiles</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable

**Section 10 Stability and Reactivity**

<b>Chemical Stability:</b>	Stable under normal storage and use conditions.
<b>Conditions to Avoid:</b>	Avoid contact with extreme heat.
<b>Incompatibility:</b>	Other combustible materials, Strong oxidising agents, acids, alkalis.
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.

**Section 11 Toxicological Information**

**Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation/Respiratory</b>	Sawdust may cause asthma-like symptoms.
<b>Eye</b>	Sawdust may cause eye irritation.
<b>Skin</b>	Sawdust may cause skin irritation. May cause skin sensitization.

### Chronic Effects:

<b>Carcinogenicity</b>	Sawdust may cause nasal/paranasal cancer through repeated exposure.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause damage to skin and lungs through repeated exposure.
<b>Aspiration</b>	Not applicable.

### **Section 12 Ecotoxicological Information**

This product is not known to be a hazard to the environment. FramePro treated wood may contain ecotoxic compounds, which may leach out into waterways over time. Remove from waterways as soon as possible.

<b>Persistence/Degradeability:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other Adverse effects:</b>	No data available

### **Section 13 Disposal Considerations**

Dispose of treated off cuts to authorised landfill. Consult Regional Council for disposal options. DO NOT use off cuts for heating or cooking fires or for barbecues or spit roasts. Avoid contact with ash; contains toxic compounds. Dispose of ash safely to an approved landfill.

### **Section 14 Transport Information**

This substance is not classified as a Dangerous Good for transport in NZ; NZS 5433:2020 and SNZ HB 5433:2021

### **Section 15 Regulatory Information**

**This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

### **Section 16 Other Information**

#### **Glossary**

Cat.	Category
AWC	Aggregate water capacity.
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level  
WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Apr 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand proprietor, Koppers Performance Chemicals New Zealand, if further information is required.

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