

# SAFETY DATA SHEET

## Section 1 Identification of the material and the supplier

Product: **Boron 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: Red Stag Timber  
Address: PO Box 1748  
Rotorua 3040  
Telephone: (07) 349 5800  
Fax Number: (07) 347 0958  
Date of SDS Preparation: 26/06/2020

## Section 2 Hazards Identification

This substance is NOT hazardous according to the *Hazardous Substance Regulations 2017*

## 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.

<b>Section 5                          Fire Fighting Measures</b>	
<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

<b>Section 6                          Accidental Release Measures</b>	
<b>GENERAL:</b>	Wear appropriate personal protective equipment. Avoid any contact with skin or eyes.

Dispose of treated off cuts to authorised landfill. Wash and dry any contaminated protective equipment before re-use.

<b>Section 7                          Handling and Storage</b>	
<b>HANDLING:</b>	<ul style="list-style-type: none"> <li>• Wear protective clothing.</li> <li>• Wash hands before smoking, eating, drinking or using the toilet</li> <li>• Keep away from sparks, open flames, hot surfaces. No smoking.</li> </ul>

<b>STORAGE:</b>	<ul style="list-style-type: none"> <li>• Store in a dry, well-ventilated place, away from sources of heat or ignition</li> <li>• Store away from incompatibilities listed in Section 10.</li> </ul>
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<b>Section 8                          Exposure Controls / Personal Protection</b>	
<b>WORKPLACE EXPOSURE STANDARDS (provided for guidance only)</b>	

<b>Substance</b>		<b>TWA</b>		<b>STEL</b>	
		<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Wood dust (soft wood)			2		
Borates, tetra, sodium salts	(anhydrous)		1		
	(decahydrate)		5		
	(pentahydrate)		1		
Ethylene glycol (vapour and mist)	Ceiling -	50	127		

<b>ENGINEERING CONTROLS:</b>	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
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## **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</b>	Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.
<b>Decomposition:</b>	
<b>Products</b>	

## **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/Degradability:</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 Land Transport in New Zealand according to NZS5433: 2012

**Section 15                    Regulatory Information**

**This substance is NOT hazardous according to the *Hazardous Substance Regulations 2017***

**Section 16                    Other Information**

This document has been compiled by RST Ltd as the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While RST Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RST Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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Please contact the Red Stag Timber Ltd, if further information is required.

Issue Date:                    26 June 2020                    Review Date:                    26 June 2025