

SAFETY DATA SHEET

Section 1	Identification of the material and the supplier
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Product: **Boron H1.2 Treated Radiata Pine**
 Product Use: Timber components for use in structures in protected situations where insect and fungal decay resistance is required

New Zealand Supplier: PukePine New Zealand
 Address: Gate 1, Main Road
 Te Puke
 Bay of Plenty, New Zealand

Telephone: 0800 768 253
 Fax Number: (07) 573 4189

Emergency Telephone: 0800 768 253

Date of SDS Preparation: 1 September 2017

Section 2	Hazards Identification
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This substance is NOT hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 3	Composition / Information on Ingredients
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Name	CAS NUMBER.	Weight %
Timber (Pinus Radiata)	N/A	> 90
Wood preservative residuals as:		
Borax	12179-04-3	< 2
Boric acid	10043-35-3	< 2
Benzalkonium Chloride	8001-54-5	< 0.1
Sodium Nitrite	7632-00-0	< 0.1

Section 4	First Aid Measures
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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, water/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
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Hazard Type	Combustible material
Hazards from decomposition	Avoid breathing smoke or fumes that may contain hazardous decomposition products. Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce

products	toxic decomposition products in fumes and smoke in fire.
Suitable Extinguishing media	In case of fire water spray.
Precautions for firefighters and special protective clothing	Wear personal protection equipment and self-contained breathing apparatus. Wood dust may form explosive mixtures with air.
HAZCHEM CODE	None Allocated

Section 6	Accidental Release Measures
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SPILLS:

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
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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
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Wood dust (soft wood)		5		10
Wood dust (hard wood)		1		
Borates, tetra, sodium salt, pentahydrate		1		

ENGINEERING CONTROLS:

Use in well-ventilated area or outside.

Avoid sawing or sanding of timber that is wet (not dry) with the preservative treatment

PERSONAL PROTECTIVE EQUIPMENT:

Eyes	Wear goggles, full face shield, or safety glasses with side shields when using this product.
Hands and Skin	Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear and rubber gloves.
Respiratory	Use in well-ventilated area or outside. Wear dust mask if wood dust is generated.
General	Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

Section 9	Physical and Chemical Properties
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Appearance	Yellow/Green timber and timber-based products
Odour	Slight
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable

Freezing Point	Not available
Flash Point	Not applicable
Flammability	Combustible
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	Not applicable
Density at 20°C	0.4 – 0.6 g/cm ³
Solubility in water	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
% Volatiles	Not applicable
Evaporation Rate	Not applicable

Section 10	Stability and Reactivity
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Chemical Stability:	Stable under normal storage and use conditions.
Conditions to Avoid:	Avoid contact with heat and extreme cold.
Incompatibility:	Other combustible materials, Strong oxidising agents, acids, alkalis.
Hazardous Decomposition: Products	Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.

Section 11	Toxicological Information
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Acute Effects:

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

Chronic Effects:

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

Section 12	Ecotoxicological Information
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This product is not known to be a hazard to the environment. Treated wood may contain ecotoxic compounds, which may leech out into waterways over time. Remove from waterways as soon as possible.

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

Section 13	Disposal Considerations
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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 *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
Disclaimer

This document has been compiled by TCC (NZ) Ltd on behalf of 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 to TCC (NZ) Ltd 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 TCC (NZ) 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, TCC (NZ) 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 New Zealand proprietor, PukePine, if further information is required.

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