

SAFETY DATA SHEET

Section 1 Identification of the material and the supplier

Product: **CCA Treated Radiata Pine Timber and Roundwood Products**
Product Use: Building and construction – particularly for outdoor use where resistance to fungal and insect attack is required.

New Zealand Supplier: TTT Products Ltd
Address: Bollard Road,
PO Box 299
Tuakau, 2342
Telephone: 09 236 8880
Fax Number: 09 236 8663

Emergency Telephone: 09 236 8880

Date of SDS Preparation: 10 December 2021 v4

Section 2 Hazards Identification

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

CCA treated timber and wood products are not deemed to be hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. Nevertheless, care should be taken in the management and use of this product. When sawing, sanding or machining this product protective equipment such as goggles and face masks should be used to prevent wood dust entering the eyes (which may cause inflammation) and nasal passages (which may cause respiratory issues). Do not place food directly on to this product.

Section 3 Composition / Information on Ingredients

Ingredients	CAS NUMBER.	Weight %
Wood preservative residuals as:		
Copper	7440-50-8	< 1
Chromium	7440-47-3	< 1
Arsenic	7440-38-2	< 1
Pinus Radiata – Timber	N/A	~ 97.0

Section 4 First Aid Measures

Routes of Exposure:

If in Eyes Hazard relates to dust released by sawing, cutting, sanding or trimming or other finishing operations. Carefully rinse eyes with running water. If irritation persists, seek medical attention.

If on Skin Brush off dust. Wash affected skin with warm water and soap and rinse. If irritation persists, seek medical attention.

If Swallowed If dust is ingested, rinse mouth and follow with a drink of water. Seek medical attention if feeling unwell.

If Inhaled If dust is inhaled and breathing becomes difficult move to an area of fresh air and rest in a position where normal breathing can be restored. Encourage patient to blow nose to ensure clear passage of breathing. If breathing difficulties persist seek first aid and medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Not applicable

Product Name: CCA Treated Timber and Roundwood

Date of SDS: 10/12/2021

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd

Tel: 09 475 5240

Website: www.techcomp.co.nz

Inhalation: Wood dust may cause nasal dryness and /or irritation. Exposure to wood dust can cause chronic obstructive lung disease. Exposure to saw fumes containing wood terpenes may cause obstructive impairment to lung function.

Skin: Wood dust and treatment chemicals may evoke allergic reactions in sensitised individuals.

Eye: Treatment components may cause temporary irritation or a burning sensation. Wood dust will cause mechanical irritation.

Section 5	Fire Fighting Measures
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Hazard Type	Combustible material
Hazards from decomposition products	CCA treated timber and wood products will burn if ignited. Avoid breathing smoke and fumes as these may be toxic. Wood dust is an explosion hazard.
Suitable Extinguishing media	In case of fire water should be sprayed directly on to flames and affected area.
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:

CCA treated timber and roundwood products will not spill or leak. Off cuts should be disposed of in a designated land fill. Off cuts should not be burned.

Section 7	Handling and Storage
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HANDLING:

- When timber and roundwood/wood products are wet wear impervious gloves and other protective clothing to avoid direct contact with skin and avoid splinters.
- Wash hands before smoking, eating, drinking or using the toilet.
- Keep products, etc. away from sparks, open flames, hot surfaces. No smoking in near vicinity of stored product.

STORAGE:

- Store on dunnage above ground in a well-ventilated place, away from naked flames and other sources of ignition.
- Ensure stacked timber and roundwood products are stable with no danger of toppling over or rolling
- Store away from incompatibilities listed in Section 10

Section 8	Exposure Controls / Personal Protection
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EXPOSURE LIMITS:

A Workplace Exposure Standard (WES) has been set for a component in this substance.

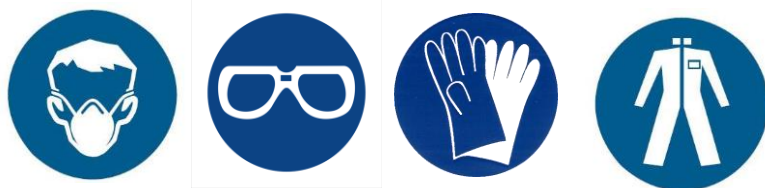
Substance	TWA ppm	mg/m³	STEL ppm	mg/m³
Wood dust (soft wood)		2		
Wood dust (hard wood)		1		
Soluble arsenic compounds		0.05		
Chromium, fumes		0.5		
Copper, dust/mist		1		
Copper, fumes		0.2		

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	Eye protection and face mask should be used when sawing, sanding or otherwise working this product. Other protection – eye wash unit
Hands and Skin	Impervious gloves recommended when handling wet product and to avoid splinters.
Respiratory	Use in well-ventilated area or outside. If risk of dust inhalation exists, wear a class P1 or P2 respirator mask.
General	Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

Section 9 Physical and Chemical Properties

Appearance	Solid wood products. Wood coloured light to deep green depending on the level of treatment used. Timber: rectangular section timber, sawn or planed surface, and includes round wood piles and poles.
Odour	Natural pine
Odour Threshold	Not available
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 available
Vapour Pressure	Not applicable
Density at 20°C	Not available
Solubility in water	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not applicable
Particle Characteristics	Not available
% Volatiles	Not applicable
Evaporation Rate	Not applicable

Section 10 Stability and Reactivity

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	May produce toxic decomposition products in fumes and smoke in fire.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable
Dermal	Not applicable

Inhalation/Respiratory	May cause respiratory irritation
Eye	Not applicable
Skin	May cause skin irritation

The level of CCA in treated timber is insufficient to be toxic to humans due to the diluted nature of the preservative retained in the wood and its low level of bioavailability through direct touch.

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.

Wood dust generated by sawing, sanding or otherwise working the wood may have carcinogenic effects. Use of eye protection and appropriate face mask is recommended when undertaking these.

Section 12. Ecotoxicological Information

This product is not known to be a hazard to the environment. Treated wood may contain ecotoxic compounds.

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

Off cuts and other waste of CCA treated timber and wood products should be disposed of in a designated land fill. They should not be burned. Consult Regional Council for disposal options.

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 EPA Hazardous Substances (Classification) Notice 2020

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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 Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd 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) have 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 accept 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 distributor, TTT Products Ltd, if further information is required.

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