

## SAFETY DATA SHEET

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

Product: **MCA Treated Plywood**  
Product Code:  
Product Use: Treated plywood for use in situations where insect and fungal decay resistance is required.

New Zealand Distributor: **New Zealand Wood Products**  
Address: 149 Kerrs Road,  
Wiri  
Auckland, New Zealand  
Telephone: +64 9 276 7030  
Email: sales@nzwoodproducts.co.nz

Emergency Telephone: **0800 022 352**

Date of SDS Preparation: 15 January 2021

**Section 2 Hazards Identification**

This substance is **NOT** hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

**Section 3 Composition / Information on Ingredients**

Name	CAS NUMBER.	Weight %
Timber (Pinus Radiata)	N/A	> 90.0
Wood preservative residuals as:		
Copper carbonate	12069-69-1	1.0 – 5.0
Tebuconazole	107534-96-3	0.01 – 0.1
Sodium Nitrite	7632-00-0	0.01 – 0.1

**Section 4 First Aid Measures**

Recommended on site emergency facilities: Comprehensive First Aid kit plus access to eye wash facilities.

Routes of Exposure:

If in Eyes: Hold eyes open and carefully rinse eyes with running water for several minutes. Seek immediate 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.

**Most important symptoms and effects, both acute and delayed**

Symptoms:

Ingestion: Not applicable

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. Seek medical advice if a large area of redness or skin irritation develops.
Eye:	Treatment components may cause temporary irritation or a burning sensation. Wood dust will cause mechanical irritation.

## Section 5 Fire Fighting Measures

<b>Hazard Type</b>	Combustible material
<b>Hazards from decomposition products</b>	May evolve toxic gases (carbon/copper/nitrogen oxides, ammonia)
<b>Suitable Extinguishing media</b>	Extinguish fires with water jet or water spray.
<b>Precautions for firefighters and special protective clothing</b>	Fire fighters should wear self-contained breathing apparatus if there is a risk of exposure to smoke particles and gaseous products from combustion. Unprotect personnel should be moved upwind from a fire involving large stacks of treated timber.
<b>HAZCHEM CODE</b>	1T

## Section 6 Accidental Release Measures

### 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.

### DUST:

Significant quantities of large surface area timber particles (sawdust, shavings, small off-cuts, machining dust) must not be left on a site where they can be washed away or buried in the subsoil, where possible. Notify local council pollution authority if a large spill of MCA-treated timber particles falls into a stream or waterway.

## 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 away from incompatibilities listed in Section 10.
- Store in a dry well ventilated area.

## Section 8 Exposure Controls / Personal Protection

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

Substance	TWA ppm	mg/m <sup>3</sup>	STEL ppm	mg/m <sup>3</sup>
Copper (fume)		0.2		
Copper (dust, mist as Cu)		1		
Softwood dust		2.0(8 hour and 12 hours shifts)		

## ENGINEERING CONTROLS:

All work with plywood sheets should be carried out in such a way as to minimise the generation of dust, gas and vapours.

Under factory conditions, sawing, drilling, sanding etc. should be done with equipment fitted with exhaust devices capable of removing dust, gas and vapour at source. Hand power tools should only be used in well ventilated areas so as to avoid the spread of dust, gas and vapours. Avoid sawing or sanding of timber that is wet (not dry) with the preservative treatment

Storage and work areas should be well ventilated.

Work areas should be cleaned at least daily and dust removed by vacuum cleaning or wet sweeping.

## PERSONAL PROTECTIVE EQUIPMENT:

<b>Eyes</b>	Wear goggles, full face shield, or safety glasses with side shields when using this product. If cutting or sanding with potential for dust generation, wear dust-proof goggles
<b>Hands and Skin</b>	Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear and cotton or leather gloves.
<b>Respiratory</b>	Use in well-ventilated area or outside. Wear dust mask with a P1 filter if wood dust or fire ash 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>	Plywood
<b>Colour</b>	Green/grey
<b>Odour</b>	pine odour
<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>Explosive Limits in air</b>	Lower: 40g wood dust/m <sup>3</sup>
<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 heat, high humidity.
<b>Incompatibility:</b>	Mineral oil, acids, alkalis, strong oxidizing agents (chlorine gas, nitrates, nitrites, chromates and dichromates. Other combustible materials.
<b>Hazardous Decomposition: Products</b>	May evolve toxic gases (carbon/copper/nitrogen oxides, ammonia)

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Unlikely to occur, but swallowing the dust would result in abdominal discomfort.
------------------	--

<b>Dermal</b>	Not applicable.
<b>Inhalation/Respiratory</b>	May cause asthma-like symptoms if breathing in dusts.
<b>Eye</b>	May cause eye irritation if dusts get into eyes.
<b>Skin</b>	Dust may cause skin irritation extending to sensitization in some individuals sensitive to hardwood resins.

## **Chronic Effects:**

<b>Carcinogenicity</b>	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>	Possibility of damage to skin and lungs through repeated exposure.
<b>Aspiration</b>	Not applicable.

Inhalation of dust concentrations in a workers breathing zone should be collected and measured in accordance with AS3640. Long term exposure to wood dust or wood fumes from heat using power saws can cause chronic obstructive lung disease from wood terpenes and residual formaldehyde.

## **Section 12 Ecotoxicological Information**

MCA timber preservatives increase the risk of harm to marine organisms, but this product is not expected to be hazardous to the environment.

<b>Persistence/Degradability:</b>	Expected to be biodegradable and non-persistent
<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 EPA Hazardous Substances (Classification) Notice 2017**

## **Section 16 Other Information**

### **Glossary**

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 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 Nov 2017 edition.
3. Transport of Dangerous goods on land NZS 5433:2012

Disclaimer

This document has been compiled by TCC (NZ) Ltd on behalf of the distributor of the product and serves as the distributor'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 or distributor. 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.

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, New Zealand Wood Products Ltd, if further information is required.

Issue Date:

15 January 2021

Review Date:

15 January 2026