

## SAFETY DATA SHEET

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

Product: **Protim Optimum Treated Radiata Pine**  
Product Use: Timber components for use in structures in above-ground situations where insect and fungal decay resistance is required  
Other Names: LOSP treated radiata pine  
Supplier of Treatment Chemical: Koppers Performance Chemicals New Zealand  
Address: 14 Mayo Road,  
Wiri  
Auckland, New Zealand  
Telephone: (09) 277 7770  
Fax Number: (09) 277 8011  
Emergency Telephone: **0800 243 622**  
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	> 97.5
Wood preservative residuals as:		
Tebuconazole	107534-96-3	< 0.1
Propiconazole	60207-90-1	< 0.1
Permethrin	52645-53-1	< 0.1

### 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
- Freshly treated timber must be stored for up to 14 days after treatment in a well ventilated area to allow evaporation of residual hydrocarbon solvent. Storing timber in block stack will slow solvent evaporation.
- 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		
Permethrin		10		

### ENGINEERING CONTROLS:

Use 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 or nitrile 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; with a green or natural wood colour, or may be painted
<b>Odour</b>	Slight solvent 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>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
<b>Decomposition:</b>	decomposition products in fumes and smoke in fire.
<b>Products</b>	

## Section 11 Toxicological Information

### Acute Effects:

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

**Note:** Solvent vapour from freshly treated timber can cause irritation to nose, throat and lungs, resulting in breathing difficulty. Inhalation of solvent vapour can cause headaches, dizziness and possible nausea. The inhalation hazard is increased at higher temperatures and in poorly ventilated areas.

**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>	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.

<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

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.

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

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

Issue Date: 26 August 2022      Review Date: 26 August 2027