

## 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  
New Zealand Supplier: 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 200 162**  
Date of SDS Preparation: 31 August 2017

### Section 2 Hazards Identification

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

### 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>   | <b>None Allocated</b>   |

**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 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> | 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 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**

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

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Product Name: Protim Optimum Treated Radiata Pine Prepared by: Technical Compliance Consultants (NZ) Ltd  
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