

SAFETY DATA SHEET

Section 1 Identification of the material and the supplier

Product: **Protim Micro Treated Radiata Pine**
Product Use: Timber components for use in structures in situations where insect and fungal decay resistance is required
Other Names: Protim Micro Treated Wood
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: 27 April 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 % |
|--------------------------------|-------------|----------|
| Pinus Radiata – Timber | N/A | > 90 |
| Wood preservative residuals as | | |
| Copper Carbonate | 12069-69-1 | < 5 |
| Tebuconazole | 107534-96-3 | < 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: Unlikely route of exposure. 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:

Inhalation: Coughing, sneezing, shortness of breath, sore/dry throat, runny nose. Allergic reactions such as hypersensitivity pneumonitis

Skin: Dermatitis. Redness, itchiness, dry skin, blisters. Allergic reactions.

Eye: Conjunctivitis. Redness, itchiness.

Section 5 Fire Fighting Measures

| | |
|---|---|
| Hazard Type | Combustible material |
| Hazards from decomposition products | 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. |
| Suitable Extinguishing media | 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

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
- 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 ³ | ppm | mg/m ³ |
| Wood dust (soft wood) | | 2 | | |
| Copper (fume) | | 0.2 | | |
| (dust) | | 1 | | |

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:



| | |
|-----------------------|--|
| Eyes | Wear goggles, full face shield, or safety glasses with side shields when cutting this product. |
| Hands and Skin | 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 gloves if the surfaces are wet with preservative. |
| 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

| | |
|---|---|
| Appearance | Machined or rough-sawn pine timber and timber-based products; with a pale green colour. |
| Odour | Not available |
| 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 Explosive 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

| | |
|---|---|
| Chemical Stability | Stable under normal storage and use conditions. |
| Conditions to Avoid | Avoid contact with extreme heat. |
| 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

Acute Effects:

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

Chronic Effects:

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

Section 12 Ecotoxicological Information

This product is not known to be a hazard to the environment.

| | |
|--------------------------------------|-------------------|
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Do not allow to enter waterways.

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

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 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

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