



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Untreated Strandboard
 Product Code:
 Product Use: Building and construction
 Sheet flooring, wall and ceiling panels, general purpose panel use.

Contact Information:

New Zealand Contact

Juken New Zealand Ltd
 Level 3 AMP Centre
 29 Customs Street West
 Auckland 1010

Telephone 64 9 373 3933

Emergency Telephone 24 hour:

New Zealand 0800 764 766 (NZ Poisons and Hazardous Chemicals)
Australia 13 11 26 (Poisons Information Centre)

Date of SDS Preparation: 11 March 2020

Section 2. Hazards Identification

This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017

This product is not classified as hazardous in Australia according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Skin contact: Skin contact with wood dust and the cured resin may cause discomfort and irritation. Some individuals may experience an allergic response leading to reddening of the infected area and dermatitis.

Eye contact: Wood dust and resin can cause discomfort and can be very irritating via mechanical irritation (e.g. splinter).

Inhalation: Inhalation of wood dust and resin may be irritating to the nose, throat and lungs. Wood dust and/or formaldehyde may cause nasal dryness. Exposure to wood dust can cause chronic obstructive lung disease. Exposure to saw fumes containing wood terpenes causes obstructive impairment to lung function.

Ingestion: Not considered to cause a problem in the unlikely event of this occurrence.

Section 3. Composition / Information on Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|--|-------|-------------|
| Wood Strands | > 85% | None |
| Polymeric diphenylmethane diisocyanate | < 10% | 9016-87-9 |
| Petroleum wax | < 2% | 64742-61-6 |

| | | |
|---------------|-----------|---------|
| Formaldehyde* | < 0.5mg/L | 50-00-0 |
|---------------|-----------|---------|

* Testing is in accordance with methods outlined in AS/NZS 4266.1:2017 Reconstituted wood-based panels section 17

Section 4. First Aid Measures (for construction uses)

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

Routes of Exposure:

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| If in Eyes | Hold eyelids open and immediately irrigate eye with copious amounts of water for a minimum of 15 minutes. Remove contact lenses if safe to do so. If irritation persists seek immediate medical advice |
| If on Skin | Some individuals may have a sensitization to the wood resins. Seek medical advice if a large area of redness or skin irritation develops. |
| If Inhaled | Wood dust must not be inhaled. Immediately remove patient to fresh air if breathing difficulties or asthma symptoms. Immediately seek medical advice if patient has a history of asthma and does not carry an inhaler. |
| If Ingested | Give at least 200mL of water. If any adverse reaction occurs, seek medical attention. |

Section 5. Fire Fighting Measures

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| Hazard Type | Combustible timber |
| Hazards from decomposition products | Primarily carbon monoxide and smoke particulates from timber combustion. |
| Suitable Extinguishing media | Extinguish fires with water jet or water spray. |
| Precautions for firefighters and special protective clothing | Firefighters should wear self-contained breathing apparatus if there is a risk of exposure to smoke particulates and gaseous products from combustion. Unprotected personnel should be moved upwind from a fire that may spread to large stacks of treated timber. |
| HAZCHEM CODE | None allocated |

Section 6. Accidental Release Measures

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.

Notify local pollution authority if large spill of timber particles occurs into a stream or waterway. 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 | | |
| Formaldehyde vapour (8 hour shift) | 0.5 | | | |
| (12 hour shift) | 0.33 | | | |

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

ENGINEERING CONTROLS:

Use in well-ventilated area or outside.

PERSONAL PROTECTIVE EQUIPMENT:

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| Eyes | 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 |
| Hands and Skin | Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear and rubber gloves. |
| Respiratory | Use in well-ventilated area or outside. Wear Class P1 (particulate) or (AS1715-1982 Class L or Class M) 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

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| Appearance | Panels of Wood strands |
| Odour | Slight pine |
| 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 | 40-65 g wood dust / m ³ |
| Vapour Pressure | Not applicable |
| Density at 20°C | 0.64 – 0.72 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

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| 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 | 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 | May cause asthma-like symptoms. |
| Eye | May cause eye irritation. |
| Skin | May cause skin irritation. May cause skin sensitization. |

Chronic Effects:

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| 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. |

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

This product is not known to be a hazard to the environment. Remove from waterways if possible.

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| Persistence/Degradeability: | Expected to be biodegradable and non-persistent |
| Mobility in Soil: | No data available |
| Bioaccumulative potential: | No data available |
| Other Adverse effects: | No data available |

Section 13. Disposal Considerations

Dispose of 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.
Dispose of ash safely to an approved landfill.

Section 14 Transport Information

This substance is not classified as a dangerous good in New Zealand according to NZS5433: 2012
This substance is not classified as a dangerous good in Australia according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Section 15 Regulatory Information

This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017

This product is not classified as hazardous in Australia according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Section 16 Other Information**Glossary**

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|------------------|---|
| 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. |

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|------------------|---|
| 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:

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

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

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.

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