

PARTICLEBOARD SAFETY DATA SHEET



JULY 2023

SECTION 1

IDENTIFICATION

Product

Common Name	Particleboard
Trade Name	Kopine Ultralock™12, Kopine Tongue & Groove12
Product use	Engineered wood-based panels used for flooring in residential and commercial buildings.
Manufacturer	Kopine Limited Address: PO Box 712, Thames, New Zealand Telephone: 0800 866 678 (8:00am - 5:00pm Monday to Friday)

SECTION 2

HAZARDOUS IDENTIFICATION

In panel form this product is not hazardous in New Zealand according to the EPA Hazardous Substances (Hazard Classification) Notice 2020.

Cutting, drilling and sanding particleboard generates dust particles which are hazardous if inhaled. Dust and wood chips should be contained and collected with extraction and vacuum equipment. High concentrations of airborne dust can present an explosion hazard.

Particleboard contains formaldehyde which may be released in low levels.

SECTION 3

COMPOSITION / INFORMATION OF INGREDIENTS

Name	CAS Number	%
Softwood - Pinus Radiata		>70
Urea/Formaldehyde Resin	9011-05-6	13
Water		5-13
Aquawax 88 Gen		0.75
Ammonium Sulphate	7783-20-2	<0.25

SECTION 4

FIRST AID MEASURES

First Aid should only be given by suitably trained individuals and only if it is safe to do.

Swallowed	Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations. Immediately give a glass of water. First aid is not generally required. If in doubt, seek medical attention.
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Eye	<p>Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations.</p> <p>Wash out immediately with water. If irritation continues, seek medical attention.</p> <p>Removal of contact lenses after an eye injury should only be undertaken by a competent person.</p>
Skin	<p>Brush off dust. Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice or attention. Wash contaminated clothing before reuse.</p>
Inhaled	<p>Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations.</p> <p>If breathing is difficult, remove patient to fresh air and keep at rest in a position comfortable for breathing. Encourage patient to blow nose to ensure clear passage of breathing. If experiencing respiratory symptoms, seek medical attention.</p>
Notes to Physician	Treat symptomatically.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media	<p>Water spray or fog Foam Dry chemical powder</p>
Fire Fighting	<p>Alert Fire Brigade and tell them the location and nature of hazard. Use water delivered as a fine spray to control the fire and cool adjacent area. Wear breathing apparatus plus protective gloves. Equipment should be thoroughly decontaminated after use.</p>
Fire/Explosion Hazard	<p>Combustible. Will burn if ignited. Wood products do not normally constitute an explosion hazard. Mechanical or abrasive activities which produce wood dust as a by-product may present a severe explosion hazard if a dust cloud contacts an ignition source. Hot humid conditions may result in spontaneous combustion of accumulated piles of wood dust. Partially burned or scorched wood dust can explode if dispersed in air.</p>
Personal Protective Equipment	<p>Firefighters should wear appropriate protective equipment including breathing apparatus suitable for use in hazardous environments because of the thermal decomposition of the product.</p>

SECTION 6

ACCIDENTAL RELEASE MEASURES

Panel Form	Not applicable
Dust	<p>The machining of the panel will generate wood dust particles, i.e. sawing, sanding, etc. which should be contained and collected with extraction and vacuum equipment and disposed of in a safe manner.</p>

SECTION 7

HANDLING AND STORAGE

Handling and Occupational Hygiene advice	<p>In panel form the product may present a manual handling risk due to the physical dimensions and weight of the panel. Sound lifting practices and procedures should be adhered to at all times including the wearing of safety footwear and gloves. Minimise the generation of dust by using tools fitted with dust extraction. Work areas should be cleaned at least daily with all dust and off-cuts removed for disposal.</p> <p>Eating, drinking, and smoking should be prohibited in areas where this product is handled, processed, or stored. Workers should wash their hands after handling the product and before eating and drinking.</p>
Storage Requirements	<p>Storage and work areas should be clean, dry and well ventilated. Avoid sources of radiant heat and avoid sparks and other sources of ignition including from electrical equipment.</p>

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

Ingredient	WES-TWA
Aquawax 88 Gen	N/A
Formaldehyde	0.3 ppm
Wood Dust (soft)	2mg/m ³
Ammonium Sulphate	N/A

Personal Protection

Respiratory	<p>Respirable Protective Equipment (RPE) must be worn if dust exposure cannot be controlled by higher level controls. RPE must comply with AS/NZS ISO 16900.2:2023 and be fit tested annually by a trained professional.</p>
Eye	<p>Safety glasses with side shields should be worn. Dust from sanding or cutting may be irritating to the eye when contact lenses are worn. In the event of irritation or redness of the eyes remove contact lens as soon as practicable and begin eye irrigation. If irritation persists seek medical assistance.</p>
Hands/Feet	<p>Wear protective gloves and safety footwear.</p>
Engineering Controls	<p>When cutting and sanding use on-tool extraction and containment of all dust generated. LEV (Local Exhaust Ventilation) systems should meet M-class and be fitted with HEPA filters suitable for wood dust.</p>

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	<p>Panel manufactured from wood fibres bonded together with resin.</p>
Odour	<p>Newly manufactured board and freshly cut panels may have an odour associated with heat modification of wood compounds and small amounts of residual formaldehyde from the glues used to bond the panels.</p>
Dimensions	<p>Panels are supplied in 2400 x 1200 mm and 3600 x 1200mm sheets and are 20mm thick.</p>

Weight	2400 x 1200 x 20mm panels weigh 41kgs. 3600 x 1200 x 20mm panels weigh 61kgs.
Flash point	N/A
Flammability (solid)	Combustible
Auto-ignition temperature	>200 °C
Exposure hazard	N/A in solid form
Formaldehyde Emission Level	E1 (<1.5mg/litre). Particleboard contains formaldehyde which may be released in low levels.

SECTION 10

CHEMICAL STABILITY AND REACTIVITY INFORMATION

Conditions Contributing to Instability	Product is considered stable under normal conditions. Thermal decomposition produces irritating and toxic gases including CO Aldehydes. Keep away from strong acids, oils and oxidising agents.
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SECTION 11

TOXOLOGICAL INFORMATION

Potential Health Effects

Swallowed	Unlikely to occur due to physical form of the panel however swallowing dust may result in abdominal discomfort.
Eye	Sanding dust may be irritating to the eyes causing discomfort and redness.
Skin	Dust may cause an allergic reaction resulting in itching and a skin rash.
Inhaled	Dust may cause allergy or asthma symptoms or breathing difficulties if inhaled.
Chronic Health Effects	Hazard relates to dust released in sawing, cutting, sanding, trimming or other finishing operations. Common chronic response to wood dust exposures are dermatitis, simple bronchitis and non asthmatic chronic airflow obstruction. Wood dust may cause skin and respiratory sensitisation.

SECTION 12

ECOLOGICAL INFORMATION

ECOTOXICITY

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation
Urea / Formaldehyde Resin	Low	Low	High
Aquawax 88 Gen	Soluble. Disperses in water.	No information available.	No information available.

SECTION 13

DISPOSAL CONSIDERATIONS

Off-cuts and general waste material should be collected and disposed of at an approved landfill site, or burnt in an approved incinerator, in accordance with local authority guidelines. Dust should be cleaned up by vacuuming or wet sweeping and disposed of as above.

Precaution: Off-cuts and dust should not be burnt in BBQ's, combustion stoves or open fires as irritating gases are emitted.

SECTION 14

TRANSPORTATION INFORMATION

Not regulated for transport.

SECTION 15

REGULATORY INFORMATION

This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Hazard Classification) Notice 2020.

SECTION 16

OTHER INFORMATION

NZ Emergency Services: 111

Kopine contact information

Phone: 0800 866 678

Email: sales@kopine.co.nz

Address: PO Box 712, Thames, New Zealand

Current Version July 2023

This SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated EPA Hazardous Substances (Hazard Classification) Notice 2020.

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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