

SAFETY DATA SHEET

According to
 HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product:	Lakepine® MDF E0 Lakepine® MRE0 Lakepine® Ultralight
Product Use:	For interior use only. Construction of furniture, cabinets and doors. Suitable to be used as a substrate for an extensive range of finishing processes. General purpose building and packaging of high value items.
Restriction of Use:	Refer to Section 15
New Zealand Supplier: Address:	Laminex New Zealand 810 Great South Road Penrose Auckland, 10601
Telephone:	0800 303 606
Emergency No:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	24 February 2025

Section 2. Hazards Identification

This material is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

As delivered MDF (Medium Density Fibreboard), are not a hazardous material.

Dust and splinters generated during cutting or fabrication may cause irritation of the nose and throat, eyes and skin. The ingredients in this product are bound together under heat and pressure. The cured resin may release small amounts of formaldehyde from the finished product. The finished product contains less than 0.1% free formaldehyde. When first manufactured, the unsealed surfaces of these boards may release small quantities of formaldehyde gas. The concentrations will be highest when the boards are stored in confined, poorly ventilated spaces. When the boards are sealed with paint, varnish, or other surface decorative finishes, the potential for the release of formaldehyde will be greatly reduced. The cured resin is inert, and not likely to contribute to health effects. Inhalation of wood dust, both hardwood and softwood, may increase the risk of nasal and paranasal cancers. The wax vapour may be irritating to the nose and throat, eyes and skin, if the board is heated to 120°C or more.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Mixed softwoods (mainly pine species)	≥ 78%	none
Polymerised urea formaldehyde resin	≤ 20%	9011-05-6
Paraffin wax	≤ 2%	8002-74-2

Free formaldehyde by weight	≤0.01%	50-00-0

Section 4. First Aid Measures

4.1 Description of First Aid Measures

First-aid measures

General	At elevated temperatures or in enclosed spaces, product mist or vapours may irritate the mucous membranes of the nose, the throat, bronchi, and lungs. Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if ill effect or irritation develops.
If on Skin	Wash skin with plenty of water. After contact with skin, wash immediately and thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Rinse mouth with water. If abdominal discomfort occurs seek medical attention.
If Inhaled	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestions	Unlikely to occur but swallowing the dust may result in abdominal discomfort. Ingestion is not considered a potential route of exposure.
Eye	Dust may cause mechanical irritation. Dust from this product may cause eyes irritation. Particulate matter may also scratch the eyes.
Skin	This product contains small amounts of an ingredient which has been reported to cause skin sensitization reactions in humans. The dust, gas and vapour may irritate the skin, resulting in itching, and occasionally a red rash. Allergic dermatitis may occur.
Inhaled	Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Dust may cause mechanical irritation.

Section 5. Fire Fighting Measures

Extinguishing media

Water spray. dry powder. Foam

Hazards from combustion products

The boards are flammable but difficult to ignite. Product may ignite at temperatures of over 200 °C.

Dust can be explosive if suspended in the air at high concentrations.

Avoid a build-up of dust and keep all storage and work areas well ventilated.

Avoid sources of radiant heat and flame and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment.

Advice for firefighters

Evacuate personal to safe area. Firefighters should wear self-contained breathing apparatus if there is a risk of exposure to smoke particulates and gaseous products from combustion.

Section 6. Accidental Release Measures

Wear PPE as recommended in Section 8. Avoid creation of dust, inhalation of dust and contact with eye. Ensure adequate ventilation.

Do not allow product down the drain. Collect and arrange disposal without creating dust. Store in suitable containers for disposal.

Dust: Significant quantities of large surface area panel 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.

Section 7. Handling and Storage

Precautions for Handling:

Ensure good ventilation of the workstation. Wear personal protective equipment. Avoid generation of dust.

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Precautions for Storage:

Technical measures: A washing facility/water for eye and skin cleaning purposes should be present.

Storage: Store in a well-ventilated place. Keep cool.

Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Paraffin wax fume [8002-74-2]	-	2.0	-	-
Formaldehyde [50-00-0]	0.3	-	0.6	-
Wood dust (soft wood)	-	2.0		

Occupational exposure limits: Not applicable

Biological limit values: Not applicable

Engineering Controls

Ensure good ventilation of the workstation. All work with these boards should be carried out in such a way as to minimize the generation of dust, gas, and vapours. Under factory conditions, sawing, drilling, sanding, etc. should be done with equipment fitted with exhaust devices capable of removing dust, gas, and vapour at source. Hand power tools should be used in well ventilated areas so as to avoid the spread of dust, gas, and vapour. Storage and work areas should be well ventilated. Work areas should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping methods. Avoid using compressed air.

Personal Protection Equipment



Eyes

Wear dust-proof, non-fogging goggles (AS/NZS 1337), should be worn when sawing, drilling or sanding.

Personal protective equipment	According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn. Protective gloves made of PVC. Rubber boots.
Respiratory	Where dust or fire ash is present wear a Class P1 or P2 (particulate) respirator.

Section 9 Physical and Chemical Properties

Physical State	Solid
Appearance	Lakepine is manufactured as compressed wood panel sheets. They are made from wood fibres bonded together with formaldehyde-based resins. Products are referred to as medium density.
Colour	Not available
Odour	Newly manufactured product and freshly cut surfaces may emit a slight odour due to residual formaldehyde from the resin binder.
Odour Threshold	Not available
pH	Not applicable for solid
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Combustible
Explosive Limits in air	Not available
Explosive Properties	Not expected to be explosive as none of the components is classified as explosive.
Vapour Pressure	Not available
Vapour Density	Not available
Water Solubility	Insoluble in water
Auto-ignition temperature	No available
Decomposition Temperature	Above 200°C
Viscosity	Not applicable for a solid
Kinematic Viscosity	Not applicable for a solid
Viscosity, dynamic	Not applicable for a solid

Section 10. Stability and Reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	This product is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	None under recommended storage and handling conditions (see section 7).
Incompatible Materials	Mineral oil, acids, alkalis, strong oxidizing agents (chlorine gas, nitrates, nitrites, chromates and dichromate's)
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Burning or smouldering boards can generate carbon dioxide and other pyrolysis products typical of burning organic material.

Section 11 Toxicological Information

Acute Effects:

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is not classified as acutely toxic. Dust may irritate throat.
Eye	This product is not classified as an eye irritant/corrosive.
Skin	This product is not classified as a skin irritant/corrosive. Dust may cause skin irritation extending to sensitization in some individuals.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.
Symptoms/injuries after skin contact	This product contains small amounts of an ingredient which has been reported to cause skin sensitization reactions in humans. The dust, gas and vapour may irritate the skin, resulting in itching, and occasionally a red rash. Allergic dermatitis may occur.
Symptoms/injuries after eye contact	Dust may cause mechanical irritation. . Dust from this product may cause eyes irritation. Particulate matter may also scratch the eyes.
Symptoms/injuries after ingestion	Ingestion is not considered a potential route of exposure.
Chronic symptoms	Repeated exposure over many years to uncontrolled dusts from these boards may result in allergic dermatitis, asthma, or chronic nose or throat irritation in some people. The risk of nasal or paranasal sinus cancers may be increased. But if the work practices noted in the MSDS are followed, and exposure to airborne dust is kept to low, no chronic health effects are anticipated.

Section 12. Ecotoxicological Information

Ecology – general	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Persistence and degradability	No additional information available
Solubility in water	None
Bioaccumulation	No additional information available
Mobility in Soil	No additional information available
Other adverse effects	No adverse effects on the environment to be expected

Section 13. Disposal Considerations

Disposal Method:

Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose of empty containers and wastes safely.

Offcuts and general waste materials should be placed in containers and disposed of at approved landfills sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines. Dust can be disposed of in the same way as off-cuts but should be cleaned up by vacuuming or wet sweeping.

Precautions or methods to avoid: Avoid burning the product.

Section 14 Transport Information

This product 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 classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16 Other Information

Glossary

Cat	Category
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.
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:

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

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