

MATERIAL SAFETY DATA SHEET (MSDS)

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Section 1 Product and Supplier Identification

Supplier	Paxwood Pty Ltd t/a Clever Choice Design Floors Unit 1, 164 Adderley Street West, Auburn, NSW, 2144 Phone: 07 5526 7399 (Qld) or 02 9737 9949 (Syd) Emergency/after-hours: 0419 399 476 Website: www.cleverchoice.com.au
Product Name	Clever Bamboo
Product Use	Prefinished wood floor covering for residential or commercial
Appearance and Odour	Products may be composed of natural (blonde), carbonized (brown), mixture of both, or stained having a slight aromatic odor.
Creation Date	September 2021 <i>(Valid for 5 years from the date of original preparation or the last revision of the SDS.)</i>
Version Issue Date	September 2021

Section 2 Hazard Identification

Statement of Hazardous Nature The primary health hazards posed by this product are thought to be due to the exposure to dust generated when sawing, sanding, planing, and/or routing. Wood dust is classified as a hazardous substance according to the criteria of NOHSC. A NIOSH approved dust respirator should be worn if dust exposure limits are exceeded. May cause eye and skin irritation. In its intact state this product is not classified as a hazardous substance according to the criteria of NOHSC.

Type 1 Wood Dust

Description Dust may aggravate pre-existing respiratory or allergy conditions.

NTP Known to be a human carcinogen

IARC Group 1

OSHA Not Listed

Type 2 Formaldehyde

Description Formaldehyde gas may be released under some conditions particularly when the boards are heated and laminated or cut by laser cutting machines.

NTP Group 1

IARC Monographs: Formaldehyde Group 1

OSHA Regulated: Formaldehyde

Type 3 Fire & Explosion

Description Combustible solid. Wood dust may ignite at certain temperatures greater than 204oC.

Type 4 Potential Health Effects

Swallow/Ingestion Unlikely under normal conditions. With significant exposure to intake there may be some abdominal discomfort or irritation. Do not induce vomiting. Seek medical attention.
Short term effect: Significant exposure is considered unlikely.
Long term effect: This product is unlikely to cause problems in the long term.

Eye Contact Dust in the eye should be treated as a foreign object, and should be flushed with water several times. If irritation persists, seek medical attention.
Short term effect: eye irritation, redness and watering
Long term effect: There is currently no data available to support the long term effects associated with eye contact.

Skin Contact Although not typical, contact dermatitis in sensitive persons may occur. Frequent contact can cause skin irritation, dryness, abrasions, cuts, or slivers. Wash hands or skin after contact. Seek medical attention if necessary.
Short term effect: skin itching, redness, and dermatitis in some people
Long term effect: There is currently no data available for the effects associated with long term skin contact.

Inhalation
 (respiratory & allergies) Not applicable after installation. Wood dust may cause obstruction in the nasal passages causing irritation, coughing and/or sneezing. Seek medical attention if respiratory conditions, cough or breathing become severe or persists.
Short term effect: Irritation to the nose, throat and lungs.
Long term effect: There is currently no data available for the health effects associated with long term inhalation.

Section 3 Product composition/information and ingredients

Name	CAS No.	Percent	Agency	Exposure Limits	Comments
Bamboo ¹	n/a	94-95	OSHA	PEL-TWA 15mg/m ³	Total dust
			OSHA	PEL-TWA 5 mg/m ³	Respirable dust fraction
			ACGIH	TLV-TWA 3 mg/m ³	Respirable dust fraction
			ACGIH	TLV- STEL10 mg/m ³	Inhalable particles

Edition 2021

Phenol-formaldehyde resin solids ²	50-00-0	4-5	OSHA OSHA ACGIH	PEL- TWA 0.75 ppm PEL- STEL 2 ppm TLV- Ceiling 0.3 ppm	Free gaseous formaldehyde Free gaseous formaldehyde Free gaseous formaldehyde
UV cured finish ³ Polymerized polyurethane	n/a	0-1	OSHA ACGIH	PEL-TWA None TLV-TWA None	None None

1. Bamboo is a member of the grass family which has distinct anatomical differences from wood. Therefore bamboo would be regulated as an organic dust in a category otherwise known as (PNOR) "Particulates Not Otherwise Regulated, or Nuisance Dust by OSHA. The ACGIH classifies dust or particulates in this category as "Particulates Not Otherwise Specified"
2. Contains 0.1 – 1.0 % by weight as free formaldehyde
3. For Prefinished flooring

Section 4 First Aid Measures and Emergency Response

General

Follow general first aid procedures or seek medical advice. Call The Poisons Information Centre if you believe you have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand). Have this SDS available when you call.

Swallow/Ingestion

If the product is swallowed or gets in the mouth, do not induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Eye Contact

Dust in the eye should be treated as a foreign object. Immediately and with care, gently brush particles from your eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses

Skin Contact

Gently brush away excess particles. Irritation is unlikely. However, if skin irritation, dryness, abrasions, cuts or slivers does occur, apply first aid. Flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. For severe or persistent issues, seek medical attention.

Inhalation (respiratory & allergies)

Not applicable after installation. Wood dust may cause obstruction, irritation, coughing and/or sneezing. Remove yourself from the area to fresh air. If in doubt, contact a Poisons Information Centre or seek medical attention if respiratory conditions, cough or breathing become severe or persists.

Section 5 Fire Fighting Measures

Extinguishing media	Water, sand, dry chemical, or carbon dioxide
Flash Point	n/a
Special Firefighting Procedures	None
Flammable Limits	n/a
Unusual Fire/ Explosion Hazards	None

Not applicable in purchased form. Dust generated from sawing, sanding, planning, or routing may be vacuumed or shoveled for recovery, removal, or disposal. A NIOSH approved dust respirator should be worn if dust exposure limits are exceeded.

Section 6 Accidental Release Measures

Personal precautions, protective equipment, & emergency procedures	As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include cotton. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dust is likely to build up and exceed exposure limits in the area, we recommend that you use a NIOSH approved dust respirator. Thoroughly launder protective clothing before storage or re-use. Advise laundry of the nature of contamination when sending contaminated clothing to laundry.
Environmental precautions	Not applicable in purchased form. However, sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash the area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal.
Methods and materials for containment and cleaning up	Dust generated from sawing, sanding, planning, or routine may be vacuumed, or shoveled for recovery, removal, or disposal, whichever is appropriate.

Section 7 Handling and Storage

Precautions for safe handling	Handle with caution as products are heavy. Manual lifting procedures should be followed at all times. Packed product weights (per carton) are provided below as a guide only: Bamboo 23.6kg Australian Timbers 19kg Classic Laminate 16.5kg
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Hybrid 20kg | Hydro 25kg | Oak 12mm 20.5kg | Oak 14mm 19.5kg
Oak 21mm 23kg

Refer to installation and care and maintenance guides.

Conditions for safe storage, including any incompatibilities

No specific transport requirements are considered necessary. The boards should be stored in well ventilated areas away from sources of heat, flames or sparks.

Specific end use/s

Section 8 Exposure Controls/Personal Protection

Control Parameters

Personal Protective Equipment (PPE):

1. Respiratory Equipment: not required; however a NOISH approved respirator is recommended when allowable exposure limits are exceeded
2. Protective Gloves: not required; however, work gloves are recommended to avoid splinters, slivers, and cuts
3. Eye Protection: not required; however, protective goggles/glasses are highly recommended when sawing or sanding
4. Other protective clothing or equipment: Not required; however, outer garments may be desirable due to dust.
5. Work/Hygiene Practices: clean up settled dust to avoid slippery areas and accumulation of combustible materials. Avoid or minimise practices that generate high air-borne dust particles.

Exposure Controls

Ventilation: provide local exhaust as needed to avoid exposure limits,

Section 9 Physical and Chemical Properties

Boiling Point (@760-mm Hg) : N/A

Vapor Pressure (mm Hg): N/A

Vapor Density: N/A

Specific Gravity (H₂O= 1): 0.58 g/ml

Melting Point: N/A

Evaporation Rate (Butyl Acetate =1): N/A

Solubility in Water (% by Weight) : <0.1 %

%Volatile by Volume [@ 21 °C] N/A

PH: N/A

Percent Moisture: 10-12 % or 8-9 % if manufactured after 02/12

Section 10 Stability and Reactivity

Reactivity	This product is unlikely to react or decompose under normal storage conditions.
Chemical stability	Stable
Possibility of hazardous reactions	
Conditions to avoid	Avoid open flame. Product may ignite at temperatures in excess of 400oF (204 °C). Avoid excessive moisture.
Incompatible materials	Avoid contact with oxidizing agents
Hazardous decomposition or by-products	Thermal decomposition products include: carbon monoxide, carbon dioxide, aliphatic aldehydes, organic acids, terpenes, and polycyclic aromatic hydrocarbons
Hazardous Polymerization	N/A. This product will not undergo polymerization reactions.

Section 11 Toxicological Information

General	There is no toxicological information available in purchased form.
Other	Formaldehyde is listed by IARC as a human carcinogen. NTP includes formaldehyde in the Annual Report on Carcinogens. Formaldehyde is regulated by OSHA as a potential cancer agent. Some rats exposed under laboratory conditions to 14ppm formaldehyde (a level far exceeding human tolerance limits, and far exceeding that normally found in the workplace) for two years developed nasal cancer. The Universities Associated for REsearch and Education in Pathology (UAREP) has stated in a report, Epidemiology of a Chronic Occupational Exposure to Formaldehyde, (December, 1987,) that: "1: For no malignancy in man is there convincing evidence of a relationship with formaldehyde exposure; and 2: Furthermore, that if a relationship does exist, the excess risk, in absolute terms, must be small."

Section 12 Ecological Information

No information available at this time. Bamboo is rapidly renewable nature resource, and is not know to have an adverse ecological impact at this time.

Section 13 Disposal considerations

Waste treatment methods It is preferable to recycle or burn. Burning must not be used as a means of disposal unless local authority and EPA approvals have been obtained. Land disposal is acceptable in most states or send to a commercial waste disposal site. It is the user's responsibility to determine at the time of disposal whether this product meets RCRA criteria for hazardous waste. Follow applicable federal, state, and local regulations.

Section 14 Transport Information

General This product is not classified as a Dangerous Good according to the Australia Code for the Transport of Dangerous Goods by road or rail.

UN Number Unrestricted

Special precautions for users Dry temperate conditions

Section 15 Regulatory Information

TSCA: All ingredients are listed on the TSCA inventory, or they are not required to be listed on the TSCA inventory. Chemicals Listed: Formaldehyde CAS # 50.00.0

DSL: All ingredients are listed or are not required to be listed under the Canadian Domestic Substance List. Chemicals Listed: Formaldehyde CAS # 50.00.0

IARC Monograph: All ingredients are listed or are not required to be listed. Chemicals Listed: Formaldehyde CAS # 50.00.0

WHMIS Classification: Not a controlled product.

Section 16 Other Information

Revised September 2021 Next revision September 2026

Definitions

ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS - Australian Inventory of Chemical Substances
SWA - Safe Work Australia, formerly ASCC and NOHSC
CAS number - Chemical Abstracts Service Registry Number
Hazchem Code - Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC - International Agency for Research on Cancer
NOS - Not otherwise specified
NTP - National Toxicology Program (USA)
SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons
UN Number - United Nations Number

References <https://www.safeworkaustralia.gov.au/sds#information-to-include-in-safety>

Disclaimer

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