TruNatur

E0 MR MDF Panel
Material Safety Data Sheet

Polymer Veneer Woodgrain Indoor Panels
Australia & New Zealand

September 2025

Material Safety Data Sheet

DISCLAIMER: Information provided in this SDS has been sourced through research or taken directly from the supplier. No in house testing has been conducted on this product.

Section 1 – Identification

Product Name:	TruNatur E0 MR MDF panels
Other Names:	Decorative MDF panels
Recommended Use:	Decorative panel solution for interior cabinetry, furniture, wall linings, and joinery.
Description:	Decorative panel with E0 moisture-resistant MDF core and decorative veneer foil overlay surface.

SUPPLIER / MANUFACTURE:	
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Section 2 – Hazards Identification

The product is a solid composite panel and is considered non-hazardous in its finished form.

Hazard summary (processing risks):

- No significant hazards when handled and used as intended.
- Dust generated during cutting, sanding, or machining may cause mild irritation to the respiratory system, skin, and eyes.
- Product contains formaldehyde bound within the MDF core. Trace levels may be released during machining; prolonged or repeated exposure may cause respiratory irritation and sensitization
- Combustible under fire conditions; may emit hazardous gases upon combustion.

Signal word: Not applicable for the intact product.

Section 3 – Composition Information on Ingredients

MDF Core (E0 MR grade):	Engineered wood fibres bonded with moisture-resistant resins containing formaldehyde.
Decorative Veneer Foil Overlay:	Polymer-based surface layer.
Adhesive System:	Polyurethane reactive (PUR) hotmelt adhesive.

Note: This product contains formaldehyde in bound form within the MDF core. Free formaldehyde emissions are expected to comply with E0 classification levels in accordance with relevant industry standards.

Section 4 – First Aid Measures

In solid form, health hazards and first aid measures are most unlikely. For exposure to dust and fumes from secondary transformation, follow these guidelines:

Inhalation

- If inhaled (dust or fumes), remove victim to fresh air. If breathing is difficult give oxygen. Seek medical attention if symptoms persist or in case of exposure to smoke/fumes from fire.

Skin contact

- If dust gets into eyes, flush with water for at least 15 minutes. Seek medical attention if irritation persists

Skin contact

- For contact with dust, wash skin with soap and water. Remove contaminated clothing and launder before reuse. For burns from molten material, seek immediate medical attention.

Ingestion

- Unlikely for intact panel. If large amounts swallowed, rinse mouth and seek medical advice. Do not induce vomiting unless instructed by medical personnel.

ADVICE TO DOCTOR

Treat symptomatically. Monitor for respiratory irritation or compromise following inhalation of fumes. In case of significant exposure to combustion products, consider evaluation for exposure to carbon monoxide and hydrogen chloride.

Section 5 – Fire Fighting Measures

Suitable extinguishing media

- Water spray (fog), foam, dry chemical or carbon dioxide.

Special protective equipment and precautions for firefighters

- Firefighters should wear full protective clothing and self-contained breathing apparatus.

Hazards from combustion

- When burned, the product may release toxic gases such as carbon monoxide, hydrogen chloride, and other toxic and irritating fumes. Burning panels may drip molten material which can cause burns.

Section 6 – Accidental Release Measures

Personal precautions

- Avoid generating dust. Use appropriate personal protective equipment including dust masks, gloves, and eye protection.

Environmental precautions

- Prevent dust and debris from entering drains, waterways, or soil.

Methods for containment and cleaning up

- Collect large pieces for reuse or disposal. Carefully collect dust and fragments using vacuum extraction or wet methods to minimise dust dispersion. Dispose of waste according to local regulations

Section 7 – Handelling and Storage

Handling:

- Avoid generating dust; control dust at source with local exhaust ventilation.
- Avoid inhalation of dust and prolonged skin contact.
- Use PPE as appropriate.
- Handle carefully to avoid cuts from edges.

Storage:

- Store in a cool, dry, well-ventilated area away from heat, flame, and direct sunlight.
- Keep away from oxidisers and acids.
- Stack panels flat to avoid warping; protect from moisture and physical damage.
- Avoid long-term storage in poorly ventilated areas to minimise potential formaldehyde off-gassing.

Section 8 – Exposure Controls/Personal Protection

Exposure Standards (Safe Work Australia):

- Formaldehyde: TWA 1 ppm (1.2 mg/m³), STEL 2 ppm (2.5 mg/m³).
- Wood Dust (Hardwood): TWA 1 mg/m³.
- Wood Dust (Softwood): TWA 5 mg/m³.

Engineering Controls:

- Use local exhaust and dust extraction during machining.
- Enclose processes where practicable.
- Ensure adequate general ventilation.

PERSONAL PROTECTIVE EQUIPMENT (PPE):	
Respiratory:	P1 or P2 dust mask or respirator when cutting or sanding.
Eye:	Safety glasses or goggles; face shield in heavy dust conditions.
Skin:	Cut-resistant gloves and long sleeves to reduce skin contact.
Other:	Safety footwear.

Section 9 – Physical and Chemical Properties

Appearance:	Solid decorative MDF panel.
Odour:	May release faint formaldehyde odour when freshly machined or in confined spaces
pH:	Not applicable.
Solubility in water:	Insoluble.
Density:	Approx. 0.700-750 g/cm³.
Flammability:	Combustible solid

Section 10 – Stability and Reactivity

Reactivity:

- Stable under normal conditions. At high heat, may release formaldehyde and other aldehydes.

Incompatible materials:

- Strong oxidisers, strong acids.

Conditions to avoid:

- High temperatures, open flames, incompatible chemicals.

Hazardous decomposition products:

- Hydrogen chloride, carbon monoxide, carbon dioxide, organochlorine fragments, soot.

Section 11 – Toxicological Information

Inhalation:

- Dust and trace formaldehyde vapours may cause irritation, coughing, or sensitization.

Eye contact:

- Dust may cause mechanical irritation.

Skin contact:

- Dust may cause irritation with prolonged contact.

Chronic effects:

- Long-term inhalation of wood dust and formaldehyde has been linked with respiratory sensitization.

Formaldehyde is classified by IARC as Group 1 – Carcinogenic to humans at elevated exposures.

Section 12 – Ecological Information

Ecotoxicity:

- Solid is inert; dust/fragments may persist physically and pose ingestion risk to wildlife. Formaldehyde emissions are expected to be low and diminish over time.

Bioaccumulative potential:

- Not expected to bioaccumulate chemically; fragments may persist physically.

Persistence and degradability:

- Not readily biodegradable.

Mobility in soil:

- Insoluble; low mobility.

Section 13 – Disposal Considerations

Dispose of in accordance with local regulations. Recycling is preferred.

Avoid uncontrolled burning due to release of formaldehyde and toxic fumes.

Section 14 – Transport Information

Not classified as dangerous goods under Australian transport regulations.

Section 15 – Regulatory Information

- Product contains formaldehyde in bound form.
- Workplace Exposure Standards apply for formaldehyde vapours and wood dust during processing.
- Product complies with E0 emission standards for formaldehyde.

Notice to reader:

The information in this SDS is believed to be correct as of the date of issue and is provided in good faith. It is intended as guidance only. Users are responsible for ensuring suitability for their specific use and compliance with all applicable laws and regulations. The supplier accepts no liability for misuse of the product or reliance on this SDS.

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