

# Material Safety Data Sheet

## Bestwood Melamine & Veneer (MSDS)

OCTOBER 2018

Important  
information

Bestwood Melamine and Bestwood Veneer are surface laminated MDF and particleboard wood panel products, suitable for use in interior cabinetry, wall paneling and furniture. Made by applying a tough low pressure melamine paper, or a wood veneer to a wood-based substrate. This MSDS should be read in conjunction with the Bestwood Melamine and Bestwood Veneer Technical Data Sheet. Always refer to the Bestwood website for the most up to date versions of these documents.

### 1. IDENTIFICATION

**Product Name:** Bestwood Melamine, Bestwood Veneer.

**Proper Shipping Name:** Not applicable.

**Recommended Use:** Construction of furniture and cabinets, general purpose building boards.

**Description:** The products are manufactured as decorative laminated panels ranging in thickness from 6mm to 30mm. The panels are surface laminated with either resin impregnated, printed and/or coloured papers or natural wood veneer.

### SUPPLIER

**Name:** Bestwood

**Address:** 15 Kerwyn Ave, East Tamaki Auckland 2013, New Zealand

**Phone:** 0800 866 678

**Website:** [www.bestwood.co.nz](http://www.bestwood.co.nz)

**Email:** [sales@bestwood.co.nz](mailto:sales@bestwood.co.nz)

### EMERGENCY CONTACTS

**Emergency Services (Fire, Ambulance, Police):**  
Dial 111

**NEW ZEALAND POISONS & HAZARDOUS  
CHEMICALS NATIONAL INFORMATION CENTRE:**

**Phone:** 0800 POISON – 0800 764 766

### 2. HAZARD IDENTIFICATION

**Statement of Hazardous Nature:** Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001



**Hazard Classification:** 6.3A, 6.4A, 6.5B, 9.2B

#### Hazard Statements:

- Causes skin irritation
- May cause an allergic skin reaction
- Causes eye irritation
- Toxic to the soil environment

#### Prevention Statements:

- Keep out of reach of children
- Read label before use
- Read safety data sheet before use
- Avoid breathing dust/ vapours
- Avoid release to the environment

### 3. COMPOSITION & INFORMATION ON INGREDIENTS

**Bestwood Melamine:** Impregnated melamine paper surface laminated to MDF and Particleboard.

**Bestwood Veneer:** Wood veneer surface laminated to MDF and Particleboard.

Ingredients	CAS Number	Percentage Composition
MDF (Medium DensityFibreboard) or Particleboard substrates		95%
Melamine/Urea impregnated decorative paper or natural wood veneer		5%
Residual free formaldehyde	50-00-0	0.5%

Note: the above ingredients are laminated together under heat and pressure. The process cures the resin, but small amounts of formaldehyde may be released from the product. The finished product contains less than 0.5% free formaldehyde.

### 4. FIRST AID MEASURES

New Zealand Poisons & Hazardous Chemicals National Information Centre. Phone 0800 POISON – 0800 764 766

For exposure to dust, gas and vapour from the panels.

**Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTRE or doctor/physician.

**Skin:** If on skin, wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation/ rash occurs, get medical advice/attention.

**Eyes:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion:** Not an expected route of exposure. Drink a glass of water. Call a POISON CENTRE or doctor/physician for advice.

### 5. FIRE FIGHTING MEASURES

**Flammability:** These panels are flammable but difficult to ignite.

Product may ignite at temperatures above 185°C Dry dust in high concentrations can be explosive.

**Extinguishing media:** Use water, dry chemical powder, or foam.

**Combustion products:** Burning or smouldering panels or dust can generate carbon dioxide and other pyrolysis products typical of burning organic material.

**Flash point:** Not applicable

**Flammability limits:** Not applicable

**Auto-ignition temperature:** Not available

### 6. ACCIDENTAL RELEASE MEASURES

**Collect spillage:** Dust should be cleaned up by vacuuming or wet sweeping. Avoid release to the environment.

### 7. HANDLING & STORAGE

**Safe Handling:** Storage and work areas should be well ventilated.

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

All work with these panels should be carried out in such a way as to minimise the generation of dust, gas and vapours.

Work areas should be cleaned at least daily and dust removed by vacuum cleaning or wet sweeping method.

Wash hands after handling panels. Do not scratch or rub skin if it becomes irritated.

Wash work clothes regularly and separately from other clothes.

**Storage:** The panels should be stored in well ventilated areas away from sources of heat, flame or sparks.

### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

#### NZ Workplace Exposure Standards (WES)

Ingredients	CAS	WES-TWA	WES-Ceiling
Wood dust – soft wood substrates		2mg/m <sup>3</sup>	
Formaldehyde	50-00-0	8-hour shift – 0.5ppm 12-hour shift – 0.33ppm	1ppm
Paraffin wax fume		2mg/m <sup>3</sup>	

**Flammability:** These panels are flammable but difficult to ignite.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Properties	
Appearance	Laminated panels ranging in thickness from 6mm to 30mm.
Boiling Point	Not applicable
Freezing/Melting point	Not applicable
Odour	Newly manufactured panels and freshly cut panels may have an odour associated with heat modification of wood compounds and small amounts of residual formaldehyde from the glue used to bond the MDF and particleboard substrate.
pH	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Solubility (water)	Not applicable
Specific gravity	(water=1) 0.6 – 0.9
Flash point	Not applicable
Flammability Limits	Not applicable
Auto Ignition Temperature	Not applicable
Evaporation rate	Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to avoid:** Heat & ignition sources.

**Incompatibility/Materials to avoid:** Incompatible with oxidising agents (e.g. hypochlorites).

**Hazardous decomposition products:** Smouldering panels or dust can generate carbon dioxide and other pyrolysis products typical of burning organic material. Formaldehyde gas may be released.

**Hazardous polymerisation:** Does not occur.

## 11. TOXICOLOGY INFORMATION

The panels are sealed with surface decorative finishes but may release formaldehyde gas in concentrations not exceeding 0.1ppm. When panels are cut, drilled or sanded etc, dust will be given off.

### KNOWN HEALTH EFFECTS OF THE CONSTITUENTS OF THE PANELS

**Wood Dust:** Dust and splinters may cause irritation of the nose and throat, eyes and skin. Some woods may also be sensitisers and some people may develop allergic dermatitis or

asthma. Inhalation of wood dust may increase the risk of nasal and paranasal sinus cancers.

**Cured Resin:** The cured resin is inert and not likely to contribute to health effects.

**Paraffin Wax:** (MDF and particle board substrate) - The wax vapour may be irritating to the nose and throat, eyes and skin if the board is heated to 120°C or more.

**Formaldehyde:** (MDF and particle board substrate) - Formaldehyde gas and dilute solutions of formaldehyde in water are irritating to the nose and throat, eyes and skin. The solutions are also sensitisers and contact dermatitis has been reported.

### HEALTH EFFECTS / SYMPTOMS OF EXPOSURE TO DUST, GAS AND VAPOUR FROM THE PANELS

**Inhalation:** The dust, gas and vapour may irritate the nose, throat and lungs, especially in people with upper respiratory tract or chest complaints. Asthma may occur.

**Skin:** Causes skin irritation. May cause an allergic skin reaction. The dust, gas and vapour may irritate the skin, resulting in itching and occasional red rash. Allergic contact dermatitis may occur.

**Eyes:** Causes eye irritation. The dust, gas and vapour may cause chemical and/or mechanical irritation to the eye.

**Ingestion:** Not an expected route of exposure. Swallowing the dust would result in abdominal discomfort.

**Chronic:** Repeated exposure over many years to uncontrolled dust from these panels may increase the risk of allergic dermatitis, asthma or chronic nose or throat irritation in some people. The risk of nasal or paranasal sinus cancers may also be increased under these conditions. If however the work practices noted in this SDS are followed and exposures to airborne dusts are kept low, no chronic health effects are anticipated.

## 12. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to NZS 5433:2007, IMDG or IATA.

### 13. REGULATORY INFORMATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

All ingredients are listed on the NZIoC.

### 14. OTHER INFORMATION

Not dangerous goods in the sense of transport regulations.

Abbreviations/Terminology:	
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
mg/m <sup>3</sup>	Milligrams Per Cubic Metre
NZIoC	New Zealand Inventory of Chemicals
ppm	Parts Per Million
WES-TWA	Workplace Exposure Standard – Time Weighted Average

**Current Version:** August 2018

**Revision Information:** SDS may be revised from time to time, please ensure you have a current copy.

**This revision:** Updated classifications and resulting hazard information.

**Previous revision dated:** 4 May 2010

### 15. CONTACT US

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Auckland 2163  
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