



MSDS –

MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Phenolic Surface Film Plywood
Use : Furniture and Construction Field

1.2 Company Identification

Manufacturer's Name : Besgrade Plywood Sdn. Bhd.
Manufacturer's Address : Batu 10, Jalan Pokok Sena Mukim Jabi, 06400 Alor Star, Kedah, Malaysia.
Telephone No : (604) 7822936
Website : www.besgrade.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENT

Composition:

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment.

<u>Substance/Chemical Entity</u>	<u>CAS No.</u>	<u>Properties by Weight</u>
Wood Veneer	None	>88%
Phenol Formaldehyde Resin	None	<12%

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	:	The products are manufactured as pressed boards ranging in standard thickness from 8.5mm to 11.5mm (± 0.5). They are made from Malaysian Tropical Hardwood veneers which are bonded together with resin.
Odour	:	Dependent on wood species and time since dust was generated.
Solubility	:	Insoluble on water
Boiling Point	:	Not applicable
Melting Point ($^{\circ}\text{C}$)	:	Not applicable
Vapour Pressure (kPa)	:	Not applicable
Percentage Volatiles	:	Not applicable
Evaporation Rate	:	Not applicable
Vapour Density	:	Not applicable
Density (kg/m^3)	:	500 - 750
Flash Point	:	Not applicable
Auto Ignition Temperature	:	-
Flammable in air	:	Fine airborne dust, generated when the product is machined, can ignite spontaneously.

SECTION 4: HAZARD IDENTIFICATION

General Information	:	Dust generating from sawing, sanding or machining of this plywood may post health hazard. The product also may release small quantities of formaldehyde in gaseous form.
Emergency Overview	:	- Physical state: Solid (Panel) - Colour: Varies with formulation - Odour: Varies with formulation
Warning	:	Inhalation of wood dust may cause allergy respiratory reaction depending in wood type. Dust may cause eye and respiratory tract irritation.
Potential Health Effect (for wood dust)	:	- Inhalation: Dust may cause nasal dryness, respiratory tract irritation, and allergic respiratory reactions. - Eye contact: Dust may cause eyes irritation. Exposures may include eye tearing, redness and discomfort. - Skin contact: Dust may cause mechanical irritation. Exposure may cause irritation.

SECTION 5: FIRST AID MEASURES

Swallowed	:	Drink a glass of water.
Eye contact	:	In case of contact with dust, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention.
Skin contact	:	Wash with mild soap and running water. If skin irritation develops, get medical attention. Wash clothes before reuse.
Inhalation	:	Leave the dusty area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Advice to Doctor	:	Treat symptomatically.

SECTION 6: FIRE FIGHTING MEASURES
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Extinguishing Media	:	Water spray, Carbon Dioxide or dry chemical.
Special Fire Fighting Procedures	:	Wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards	:	Dust may form explosive dust-air mixtures. Depending on moisture content and particle diameter, wood dust may explode in the presence of an ignition source.
Hazardous Combustion Products	:	Burning of wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

SECTION 7: ACCIDENTAL RELEASE MEASURE

Personal Precautions	:	Wear appropriate personal protective equipment (see section 9).
Leak / Spill Clean-up Method	:	Wood dust generated from sawing, sanding or machining may be vacuumed or shovelled for recover or disposal. Avoid generating dust.

SECTION 8: HANDLING AND STORAGE

Handling	:	No special handling precautions are warranted for product in purchased form. When the product is sawed, sanded, machined or other abrading processes, wear appropriate personal protective equipment (See Section 9). Avoid breathing dust. Avoid getting dust into eyes. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	:	Store in cool, dry, well ventilated place away from source of heat, flames or sparks.

SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Controls	:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne contaminants below established exposure limits.
Respiratory Protection	:	If engineering controls do not keep airborne concentrations below established exposure limits, wear a NIOSH-approved respiratory equipped with high efficiency particulate filter. Contact health and safety professionals for specific information.
Eye Protection	:	When sawing, sanding or machining this product, wear approved safety goggles with side shields. Wear a full-face respirator, if needed.

Hand Protection	Wear leather gloves. Contact health and safety professionals for additional information.
Skin Protection	Wear disposable coveralls, lab coat, or apron to prevent skin contact.
Hygiene Measure	Always wash hand before eating and drinking.

SECTION 10: STABILITY AND REACTIVITY

Stability : The product is stable.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry : Inhalation and contact with skin and eyes.
Skin contact : Causes irritations and sensitisation.
Skin Absorption : Not applicable.
Eye contact : Causes eye irritations.

SECTION 12: ECOLOGICAL INFORMATION

No Data Available

SECTION 13: DISPOSAL INFORMATION

General Information : Dispose in accordance with applicable federal, state and local regulations.
Disposal Method : No specific disposal method required
Recycle : This panel is recyclable.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated.

SECTION 15: REGULATORY INFORMATION

Proposed classification : N/A
Risk Phrase : N/A
Safety Phrase : N/A

SECTION 16: OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that is accurate to the best of our knowledge. The data on this sheet relate only to the specific material designated herein. We assume no legal responsibility for injury or damage arising from use or reliance upon these data. Precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulation.