



STRAITS TIMBER PRODUCTS SDN. BHD.

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Page 1 of 5

Material Safety Data Sheet

Silktrim® Primed HMR MDF

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name:

Silktrim® Primed Medium Density Fibreboard High Moisture Resistance Grade with low formaldehyde emission.

1.2 Company:

Straits Timber Products SDN. BHD.

Lot No 1, Lorong Tandang B,

46050 Petaling Jaya

Selangor Darul Ehsan

Malaysia

Telephone: (603) 77812199

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1.3 Identity:

Dangerous Goods Class: None allocated.

Hazchem code: None allocated.

Subsidiary risk: None allocated.

UN number: None allocated.

Poisons schedule number: None allocated.

1.4 Use(s):

Construction of furniture, cabinets, doors, jambs, architraves and general purpose building boards. The products are sold as dressed mouldings, joinery components, furniture and construction application.

Material Safety Data Sheet

Silktrim[®] Primed HMR MDF

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 *Ingredients:*

Chemical Entity	CAS Number	Proportion %
Rubberwood	None	>82%
Urea formaldehyde resin or	9011-05-6	<15%
Melamine urea formaldehyde resin	25036-13-9	<15%
Paraffin Wax	8002-74-2	<2%
Waterborne (Acrylic) primer 2-butoxyethanol	111-76-2	<1%

2.2 *Physical and Chemical Properties:*

Appearance:	The products are manufactured from pressed MDF panels. They are made from wood fibres that are bonded together with resin. Panels/boards are made of a variety of sizes and thicknesses. The finished product has the acrylic primed light grey colour.
Odour:	Newly manufactured MDF product and freshly cut surfaces of these products may have an odour due to the resin.
Boiling Point:	Not applicable.
Melting Point:	Not applicable.
Density:	650 kg/m ³ to 850 kg/m ³
Vapour Pressure:	Not applicable.
Flash Point:	Not applicable.
Solubility in Water:	Not soluble.
Flammability Limits:	Not available.
Auto-ignition:	Temperature >200°C
pH:	Not applicable
Vapour Density:	Not applicable
Flammability:	Combustible
Evaporation Rate:	Not applicable
Volatile Percent:	Not applicable

Material Safety Data Sheet

Silktrim® Primed HMR MDF

3. HAZARDS IDENTIFICATION

3.1 Health effects:

Unsealed MDF products may release formaldehyde gas. The concentrations will be highest when the products are stored in confined, poorly ventilated spaces. When the products are sealed with paint, varnish or other surface decorative finishes, the potential for the release of formaldehyde will be greatly reduced. When the MDF products are cut, drilled or sanded etc., dust will be given off.

3.2 The known health effects of the constituents of the MDF products are as follows.

Wood dust: Dust and splinters may cause irritation of the nose, throat, eyes and skin. 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: The wax vapour may be irritating to the nose, throat, eyes and skin, if the board is heated to 120°C or more.

Formaldehyde: Formaldehyde gas and dilute solutions or formaldehyde resin in water are irritating to the throat, nose, eyes and skin. The solution is also sensitizers and contact dermatitis has been reported.

3.3 The following health effects refer to exposure to dust, gas and vapour from the panels.

Swallowed: Unlikely to occur, but swallowing dust may result in abdominal pain and redness.

Eyes: The dust, gas and vapour may irritate the skin, resulting in itching and occasionally a red rash. Allergic dermatitis may occur.

Skin: The dust, gas and vapour may irritate the skin, resulting in itching and occasionally a red rash. Allergic dermatitis may occur.

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

Chronic: Repeated exposures over many years to uncontrolled dust, gas and vapour from these boards 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. But if the work practices noted in this MSDS are followed, no chronic health effects are anticipated.

Material Safety Data Sheet

Silktrim[®] Primed HMR MDF

4. FIRST AID MEASURES

4.1 First Aid:

- Swallowed:** Give plenty of water to drink. If abdominal discomfort occurs, seek medical attention.
- Eyes:** Rinse affected eyes with clean running water for at least 15 minutes holding eyelids well apart. If irritation persists, seek medical attention.
- Skin:** Wash affected area thoroughly with mild soap and running water. Remove and wash contaminated clothing immediately.
- Inhaled:** Remove person from dusty area to clean air.

5. EXPOSURE CONTROLS/PERSONAL PROTECTION

5.1 Engineering Controls:

All work with these MDF products should be carried out in such a way as to minimise 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 powered tools should only be used in well ventilated work areas. Work areas should be cleaned at least daily and dust removed by vacuum cleaning or wet sweeping method.

5.2 Skin Protection:

Wear loose comfortable clothing. Long-sleeved shirts and trousers are recommended if skin irritation occurs. After handling panels, wash with mild soap and water. Do not scratch or rub the skin if it becomes irritated. Wash work clothes regularly and separate from other clothes. Comfortable work gloves conforming to AS 2161 or NZS 5812 should be worn.

5.3 Respiratory Protection:

A replaceable filter or disposable half face respirator conforming to AS/NZS 1715 & 1716 should be worn when sawing, drilling or sanding etc.

5.4 Eye Protection:

Safety glasses or non-fogging goggles conforming to AS/NZS 1336 & 1337 should be worn sawing, drilling or sanding etc.

5.5 Flammability:

These MDF products are flammable but difficult to light. 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.

People must not smoke in storage or work areas.

Material Safety Data Sheet

Silktrim[®] Primed HMR MDF

6. HANDLING AND DISPOSAL

6.1 *Handling and Disposal:*

Handling:

Wear suitable protective clothing, gloves and eye/face protectors. Avoid contact with skin and eyes.

Disposal of:

Do not allow offcuts, sawdust and general waste to enter storm water, sewer, drains, dams, rivers and or any other waterways.

Offcuts, sawdust and general waste materials should be placed in containers and disposed of at approved landfill sites or incinerated in accordance with local authority guidelines.

Dust should be cleaned up by vacuuming or wet sweeping.

Waste should not be used in barbeques, combustion stoves or open fires in the home as irritating gases are emitted.

7. OTHER INFORMATION

7.1 *Contact Point:*

Technical Manager

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Facsimile: (603) 77812609

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