MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name:	GoldenEdge MDF
Other Names:	GoldenEdge, Thinline, Liteboard, Regular, Superlite, HMR and MUF Mouldings.
Company:	Nelson Pine Industries Ltd
Address:	Lower Queen St Richmond, NELSON NEW ZEALAND P O Box 3049
Telephone Number:	64-3-5438800
Fax Number:	64-3-5438890
Email:	nelsonpine@nelsonpine.co.nz

2. HAZARD IDENTIFICATION

UN Number:	None allocated
Dangerous Goods Class:	Not classified as hazardous under NZ HASNO.
Hazchem Code:	None allocated.
Toxic Substances Schedule:	Not scheduled.

3. COMPOSITION

Ingredients:

Substance	CAS No	Proportion
Natural softwoods	None	>79%
Melamine/Urea Formaldehyde resin	9O11-O5-6 and 25036-13-9	<20%
Paraffin wax	8002-74-2	<1%
Formaldehyde	50-00-0	<0.015%

4. FIRST AID MEASURES

Swallowed:	Drink a glass of water.
Eye:	Flush with flowing water for at least 15 minutes and if symptoms persist, seek immediate medical attention.
Skin:	Wash with mild soap and running water.
Inhaled:	Leave the dusty area.
Advice to Doctor:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

The boards are flammable but difficult to ignite. Product may ignite at temperatures of over 200 °C

Dust can be explosive if suspended in the air at high concentrations.
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.

Use water, fog, foam, CO_2 or dry chemical to extinguish. When extinguishing dust fires do not use high energy methods that may lift dust in the air as this may result in a flare up and spread the fire.

6. ACCIDENTAL RELEASE MEASURE

For boards – not applicable
For dust - Clean up by vacuuming or wet sweeping.

7. HANDLING AND STORAGE

The boards should be stored in dry and well ventilated areas away from sources of heat, flame or sparks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

The current New Zealand work place exposure standards and biological indices for wood dust, formaldehyde and paraffin wax are:

Wood dust (soft wood): 5mg/m^3 (TWA)

Formaldehyde: 1.0ppm (1.2mg/m^3) (ceiling)
It is also listed as a sensitizer and a suspected carcinogen

Paraffin wax (fume): 2mg/m^3 time-weighted average (TWA)

Engineering Controls:
All work with these boards 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 power tools should only be used in well ventilated areas so as to avoid the spread of dust, gas and vapours.

Storage and work areas should be well ventilated.

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

Skin Protection:
Wear loose, comfortable clothing. Long-sleeved shirts and trousers are recommended if skin irritation occurs.

After handling boards, 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 should be worn (AS/NZS 2161).

Respiratory Protection:
A class P1 or P2 filter or disposable face piece respirator should be worn when sawing, drilling or sanding etc.

Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.

Eye Protection:
Safety glassed or non-fogging goggles (AS/NZS 1337) should be worn when sawing, drilling or sanding etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: The products are manufactured as pressed boards ranging in thickness from 2.5mm to 32mm. They are made from wood fibres, which are bonded together with resin.
Odour: Newly manufactured board and freshly cut surfaces may have an odour associated with heat modification of wood compounds and small amounts of residual formaldehyde from the glue used to bond the panel

pH	Not Applicable
Boiling Point:	Not applicable
Vapour Pressure:	Not applicable
Solubility in water:	Not soluble
Specific Gravity:	0.6 –0.9
Flash Point:	Not applicable
Flammability Limits:	Not available
Auto-Ignition Temp:	Above 220 °C

10. STABILITY AND REACTIVITY

Product is considered stable

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11. TOXICOLOGICAL DATA

Exposure to the dust, gas and vapour from the boards may result in the following health effects:

Acute:

Swallowed: Unlikely to occur, but swallowing the dust would result in abdominal discomfort.

Eye: The dust, gas and vapour may be irritating to the eyes causing discomfort and redness.

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

Inhaled: 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.

Chronic:

Repeated exposures over many years to uncontrolled dust 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 under these conditions.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Off-cuts and general waste material should be placed in containers and disposed of at an approved landfill site, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines.

MDF or MDF dust should not be burnt in BBQs combustion stoves or open fires as irritating gases are emitted

Dust should be cleaned up by vacuuming or wet sweeping.

14. TRANSPORT INFORMATION

No special transport requirements are considered necessary.

15. REGULATORY INFORMATION

New Zealand OSH workplace exposure standards for formaldehyde and wood dust.

16. ADDITIONAL INFORMATION