

Safety Data Sheet – BiForm

wood / plastic composite (WPC) decking

1. Identification

Product Name: BiForm

Proper Shipping Name: Not applicable

Recommended Use: Exterior decking applications

Description: BiForm is manufactured by extrusion of recycled polyethylene (HDPE) and wood fibre

Supplier:

Name:	BiForm Ltd	
Address:	Unit 8, 69 Captain Springs Road Onehunga AUCKLAND 1061	PO Box 13842 Onehunga AUCKLAND 1643
Phone:	0800 449 274 For general & technical advice	
Email:	info@biform.co.nz	
Website:	www.biform.co.nz	
Emergency Contacts:	<u>In New Zealand:</u> Emergency Services Fire, Ambulance, Police – Dial 111 New Zealand Poisons & Hazardous Chemicals National Information Centre: phone 0800 POISON – 0800 764 766	<u>In Australia:</u> Emergency Services Fire, Ambulance, Police – Dial 000 Poisons Centre: 131 126

2. Hazard Identification

Statement of Hazardous Nature:

New Zealand :

Not Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
Product is deemed a manufactured article for the purposes of the HSNO Act.
Not classified as a Dangerous Good according to NZS 5433:2007

Australia :

Non-Hazardous substance. Non-Dangerous Goods
Poisons Schedule : Not applicable

Hazard Statements / R-phrases: Not applicable

Precautionary Statements / S-phrases: Not applicable

3. Composition & Information on Ingredients

Ingredient	CAS Number	% w/w
Wood fibre	unavailable	60%
Recycled polyethylene (HDPE)	9002-88-4	30%
Anti-fungal additive	unavailable	2%

SOLID COMPOSITE DECKING

4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre
 phone 0800 POISON – 0800 764 766
 Australia Poisons Information Centre
 phone 131 126

For exposure to dust resulting from cutting the decking :

The particles produced by sawing and sanding this product are larger and heavier than those produced from timber, and are therefore less likely to be inhaled.

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: Wash with mild soap and running water.

Eyes: Immediately flush with flowing water, hold eyelids apart and irrigate for at least 15 minutes. If symptoms persist immediately call a POISON CENTRE or doctor/physician

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

5. Fire Fighting Measures

Flammability: This decking product is combustible. Dry dusts suspended in high concentrations can be explosive.

Extinguishing media: Use water fog (or fine water spray), foam, carbon dioxide or dry chemical powder.

Combustion products: Burning or smouldering decking 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

Dust should be cleaned up by vacuuming or wet sweeping. Wear protective equipment (see section 8). Collect and seal in labelled containers for disposal.

7. Handling & Storage

Safe Handling

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 this product should be carried out in such a way as to minimise the generation of dust.

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

Wash hands after working with decking.

Storage

Store flat, off the ground, in a cool dry location out of direct sunlight.

8. Exposure Controls & Personal Protection

Exposure Standards

The particles produced by sawing and sanding this product are larger and heavier than those produced from timber, and are therefore less likely to be inhaled.

NZ Workplace Exposure Standards (WES):

Wood dust – soft wood	WES-TWA	2mg/m ³
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Particulate, not otherwise classified - inhalable	WES-TWA	10mg/m ³
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Australia National Exposure Standards:

Soft wood dust	WES-TWA	5mg/m ³
	WES-STEL	10mg/m ³

Tolerable Exposure Limit (TEL): Not set

Biological Exposure Value: None allocated

Engineering Controls

Ventilation: Under factory conditions sawing, drilling sanding etc should be done with equipment fitted with exhaust devices capable of removing dust at source. Hand power tools should only be used in well ventilated areas so as to avoid the spread of dust.

PPE

Skin protection: Long sleeve shirts and trousers are recommended if skin irritation occurs. Comfortable work gloves should be worn (AS/NZS 2161)

Respiratory protection: If risk of inhalation exists (e.g. when sawing, drilling or sanding etc.), a class P1 or P2 filter or disposable face piece respirator should be worn.

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

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

9. Physical & Chemical Properties

Appearance: Decking boards in a variety of colours.

Odour: Nil.

pH: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Boiling point: Not applicable

Melting range: 120°C – 130°C

Solubility (water): Not soluble

Specific gravity: (water=1) approx 0.9

Flash point: Not applicable

Flammability Limits: Not available

Auto Ignition Temperature: Not available

Evaporation rate: Not applicable

10. Stability & Reactivity

Stability: Stable under ambient temperature and pressure.

Conditions to avoid: Heat & ignition sources.

Incompatibility / Materials to avoid: Not available.

Hazardous decomposition products: Smouldering decking or dust can generate carbon monoxide, carbon dioxide and other pyrolysis products typical of burning organic material.

Hazardous polymerisation: Does not occur

11. Toxicological Information

When decking is cut, drilled or sanded etc, some dust will be generated. The particles produced by sawing and sanding this product are larger and heavier than those produced from timber, and are therefore less likely to be inhaled.

Health Effects / Symptoms of exposure to dust from the decking

Inhalation: Dust may irritate the nose, throat and lungs. Mucous membranes / respiratory system

Skin: Dust may irritate the skin.

Eyes: Dust may cause mechanical irritation to the eye.

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

Chronic : No information available.

Toxicological Data

Not available

12. Ecological Information

No known ecological effects. Avoid contaminating waterways with dust.

Environmental Exposure Limit (EEL): None set

Persistence in environment: Not available

Biodegradability: Not available

Mobility: Not 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 local authority guidelines.

14. Transport Information

Not classified as a Dangerous Good by the criteria of NZS 5433:2007 Transport of Dangerous Goods by Land

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail

Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea.

Not classified as a Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

No special transport requirements are considered necessary. Refer Technical Information for transport requirements to ensure quality of the product.

15. Regulatory Information

Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
Product is deemed a manufactured article for the purposes of the HSNO Act. (NZ)

Poisons Schedule (Aust): Not applicable

16. Other Information

Abbreviations / Terminology:

% w/w	percentage – weight for weight
AS	Australian Standard
AS/NZS 1337	Personal eye-protection
AS/NZS 2161	Occupational protective gloves
AS/NZS 4501	Occupational protective clothing
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
EEL	Environmental Exposure Limit
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
mg/m ³	milligrams per cubic metre
NZS 5433	Transport of Dangerous Goods on Land
NZS	New Zealand Standard
ppm	parts per million
TEL	Tolerable Exposure Limit
UEL	Upper explosive limit
WES-STEL	Workplace Exposure Standard – Short Term Exposure Limit
WES-TWA	Workplace Exposure Standard – Time Weighted Average

Current Version: Dated 20 November 2015

Revision Information:

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

Previous Version: 21 August 2014

Changes since previous version

- Changes to company details

This SDS has been prepared with reference to the National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC 2011, April 2003) and the HSNO Approved Code of Practice for the Preparation of Safety Data Sheets (HSNO CoP 8-1, NZCIC, September 2006)

Disclaimer:

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