

Safety Data Sheet - Biform

wood / plastic composite (WPC) decking and screening

1. Identification

Product Name: Biform - wood / plastic composite (WPC) decking and screening

UN Number: Not Applicable

Recommended Use: Exterior decking and construction applications

Proper Shipping Name: Not Applicable

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

NZ Supplier:

Name: Biform Ltd

PO Box 13842

Phone: 0880 449 274

Onehunga

09 636 3511

Auckland 1643

Address: 2/116a Harris Road,
East Tamaki
Auckland, 2013

Email: info@biform.co.nz

Website: <https://biform.co.nz/>

Emergency Contacts: Emergency Services (Fire, Ambulance, Police) – Dial 111 (000 for AUS)
National Poisons Information Centre – 0800 764 766 (0800 POISON)
Company Contact – 0880 449 274 / 09 636 3511

2. Hazard Identification

Statement of Hazardous Nature:

This preparation is not classified as a health or environmental hazard according to the Hazardous Substances (Hazard Classification) Notice 2020.

Classified as non-hazardous in accordance with the 'Globally Harmonized System of Classification and Labelling of Chemicals' (GHS), 7th Revised Edition.

Not classified as a Dangerous Good according to NZS 5433.

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail - 2017.

Hazard Classification:
Not Applicable

Prevention Statements:
Not Applicable

Hazard Statements:
Not Applicable

3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Wood Pulp, Cellulose	65996-61-4	60
Recycled polyethylene (HDPE)	9002-88-4	30
Anti-fungal additive	unavailable	2
Other Non-Hazardous Components	-	8

4. First Aid Measure

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

Skin: IF ON SKIN** Wash with mild soap and running water.

Eyes: IF IN EYES** Immediately flush with flowing water, hold eyelids apart and irrigate for at least 15

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minutes. If symptoms persist immediately call a POISON CENTRE or doctor/physician

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

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.

Advice to Doctor: Treat symptomatically.

*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.

**Specific to the cut/powdered product. Otherwise, the provisions listed are not applicable.

5. Fire Fighting Measures

Flammability: The product is not considered 'Flammable'; however, the product (in powder form) 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.

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

Fire Fighting Instructions: 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

All work with this product should be carried out in such a way as to minimise the generation of dust. Avoid sources of radiant heat and flame and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment. 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):

Ingredient	CAS Number	TWA	STEL
Wood dust, soft	-	2 mg/m ³	-
Particulates not otherwise classified - Inhalable	-	10 mg/m ³	-

Data source: *Workplace Exposure Standards and Biological Indices (14th Edition, Nov 2023, WorkSafe)*

NZ Biological Exposure Indices (BEI): No biological exposure indices have been set for this product or its ingredients.

AU WORKPLACE EXPOSURE STANDARDS:

Ingredient	CAS Number	TWA	STEL
Wood dust (soft wood)	-	5 mg/m ³	10mg/m ³
Nuisance dusts	-	10 mg/m ³	-

Data source: *WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS (Jan 2024, Safe Work Australia)*

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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.

Personal Protection (PPE)

Wear protective gloves/clothing and eye/face protection.

Contaminated work clothing should not be allowed out of the workplace

Eyes/Face: impact resistant safety glasses with side shields or safety goggles (AS/NZS 1337)

Skin: Use butyl rubber or nitrile rubber gloves. The glove material must be impermeable and resistance to the product (in accordance with AS/NZS 2161). Consult your glove supplier for specific product information.

Respiratory: Not required under the recommended storage and handling conditions. In case of inadequate ventilation, wear an approved respirator with P2 filters. Respiratory protection should comply with AS/NZS 1716 and maintained with AS/NZS 1715.

9. Physical & Chemical Properties

Appearance: Solid Boards implemented in construction (varying colours)

Odour: No data available.

Odour threshold: No data available

pH: Not Applicable

Melting point: 120°C – 130°C

Boiling point: No data available

Flash point: No data available

Flammability: Not considered flammable. Product powder can be combustible.

Lower Flammability Limit (LEL): No data available

Upper Flammability Limit (UEL): No data available

Vapour pressure: Not applicable

Vapour density: Not applicable

Relative density: No data available

Solubility (water): Not soluble.

Partition coefficient: n-octanol/water: No data available

Autoignition temp: No data available

Decomposition temp: No data available

Viscosity (kinematic): Not applicable

10. Stability & Reactivity

Stability: Stable under ambient temperature and pressure.

Reactivity: considered unreactive under standard conditions.

Conditions to avoid: Heat & ignition sources.

Incompatible Materials: Not available.

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

11. Toxicological InformationHealth Effects / Symptoms of Exposure**Acute Exposure**

Skin: Powdered dust associated with cutting or sanding may irritate the skin.

Eyes: Powdered dust associated with cutting or sanding mechanical irritation to the eye.

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

Inhalation: Powdered dust inhalation may result in irritate of the nose, throat, and lungs. Mucous membranes / respiratory system

Aspiration Hazard: Not considered an aspiration hazard.

Chronic Exposure

Respiratory or Skin sensitisation: Not classified as a sensitisation product.

Mutagenicity: Not classified as a mutagen.

Carcinogenicity: Not classified as a carcinogen.

Reproductive Toxicity: Not classified as causing reproductive toxicity.

Specific Target Organ Toxicity (STOT): Not classified as a STOT product.

Toxicological Data

No data is available for this product as a whole or its ingredients.

12. Ecological Information

Persistence in environment: No data available

Bioaccumulative: No data available

Biodegradability: No data available

Mobility in soil: No data available

Ecotoxicological Data

No data available for this product as a whole or its ingredients.

13. Disposal Considerations

Product is non-hazardous. Small quantities may be disposed of through normal household / commercial waste removal facilities. Bulk or contaminated product may be disposed of through an approved hazardous waste contractor.

14. Transport Information

Not classified as a Dangerous Good according to NZS 5433:2020

Proper Shipping Name: Not Applicable

Subsidiary Risk: Not Applicable

UN Number: Not Applicable

Packing Group: Not Applicable

DG Class: Not Applicable

Marine Pollutant: Not Applicable

15. Regulatory Information

HSNO Approval

All ingredients listed in the NZIoC.

HSNO Group Standard OR Approval Number: Not Applicable, product is considered non-hazardous

All ingredients listed in the [Australian Inventory of Chemicals Substances \(Inventory\)](#) - any condition of use associated with the listing on the Inventory and/or whether any chemical or a chemical in the product is being introduced under a permit. In addition, it is recommended that information in an AICIS assessment report be included.

16. Other Information

Abbreviations / Terminology:

AS/NZS	Joint Australian New Zealand Standard
AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection, use and maintenance of respiratory protective equipment
AS/NZS 1716	Respiratory protective devices
AS/NZS 2161	Occupational protective gloves
CAS #	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	New Zealand Chemical Classification and Information Database
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	Transport of Dangerous Goods on Land
TEL	Tolerable Exposure Limit
STEL	Short Term Exposure Limit

Prepared with reference to:

- *Hazardous Substances (Safety Data Sheets) Notice 2017*, published by Environmental Protection Authority, New Zealand.
- *Code of Practice: Preparation of Safety Data Sheets (June 2023)* published by Safe Work Australia.

Current Version: 4 April 2024

Revision Information: Reviewed ingredients to see whether they triggered hazards, and updated references throughout (Exposure Standards, etc).

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

This revision: 4 April 2024

Previous revision dated: November 2015

SDS - wood / plastic composite (WPC) decking and screening**Disclaimer:**

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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