

**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](mailto: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), 7<sup>th</sup> 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

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

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 <sup>3</sup>	-
Particulates not otherwise classified - Inhalable	-	10 mg/m <sup>3</sup>	-

Data source: *Workplace Exposure Standards and Biological Indices (14<sup>th</sup> 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 <sup>3</sup>	10mg/m <sup>3</sup>
Nuisance dusts	-	10 mg/m <sup>3</sup>	-

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

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

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 Information**Health 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.

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, no warranty or responsibility can be accepted by us for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information.

--END OF SDS