

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Biofert Mussel Meal**
 Product Use: Soil amendment and fertiliser
 Restriction of Use: Refer to Section 15

 New Zealand Supplier: **Fertspec Ltd t/a Biofert**
 Address: 121 Whangarata Road,
 Tuakau, Waikato

 Telephone: +64 9 233 6491 0800PACBIO (0800722246)
Emergency No: 0800 764 766 (National Poison Centre)

 Date of SDS Preparation: 14 May 2025

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Cas Number	Weight %
Green lipped mussel powder		>95%
Organic Marine Residue		<5%

This is a commercial product whose exact ratio of components may vary slightly

Section 4. First Aid Measures

General Information:

You should call the New Zealand National Poisons Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 from anywhere in New Zealand and is available at all times. Have this SDS with you when you call

Routes of Exposure:

If in Eyes	Immediately flush with large amounts of water for 15 minutes. Seek medical attention.
If on Skin	If it causes an irritation wash affected area with water and then soap and water. Wash hands thoroughly before eating.
If Swallowed	Do not induce vomiting – Give 1 or 2 glasses of water or milk to drink (if conscious). Seek medical attention.
If Inhaled	If ill effects occur remove to fresh air. Keep warm and quiet. Treat symptoms. Seek medical attention.
Advice to Doctor:	Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	Temperatures above 1800 F may cause release of irritation or toxic phosphorus oxide fluoride gases. Stable and non-reactive.
Suitable Extinguishing media	Use fire extinguishing media for surrounding fires.
Precautions for firefighters and special protective clothing	Wear protective gear. Do not allow to enter waterways.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter drains and water courses.

When caught in bunded area use appropriate waste disposal method to remove spillage as soon as possible after spill with inert absorbent material (e.g. lime).
Dispose of in compliance with local and/or national regulations detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- When using do not eat, drink or smoke.
- Wash hands and exposed skin before meals and after handling.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Keep in original container, tightly closed.
- Keep away from food and drink.
- Store in a cool well-ventilated area away from foodstuffs.
- Do not allow to come into contact with water either from rain, condensation or the surface on which it is stored.
- Bagged fertiliser's should be stored under cover and out of direct sunlight (which degrades polywoven bags).
- If stacking is necessary, bulk bags should be stored in a stable manner, preferably in a pyramidal style. Bulk bags should not be stacked more than two high for bags containing 1000kg or more, or more than four high for bags containing up to 500kg.
- High stacking should be avoided as pressure promotes caking.
- Must be stored away from farm chemicals e.g. insecticides, fungicides and herbicides.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

Ensure adequate ventilation is available.

Personal Protection Equipment



Eyes	Eye protection if necessary.
Hands	Not required but always good practice to wear protective gloves when handling products.
Skin	Skin protection if necessary. Good practice to wear overalls & boots.
Respiratory	Approved dust mask must be worn.

Section 9 Physical and Chemical Properties

Appearance	Ground rock like material
Colour	
Odour	
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	Oxidising agents and acids
Hazardous Decomposition Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Low toxicity. With large doses, ingestion may result in nausea, vomiting and gastrointestinal irritation.
Dermal	Non-low irritant. Prolonged and repeated use may result in slight irritation. Some individuals with sensitive skin may experience adverse skin reactions and would be advised to discontinue use.
Inhalation	Low irritant. Over exposure may result in mucous membrane irritation of the nose and throat with coughing.
Eye	Low to moderate irritant. Exposure may result in irritation, pain and redness.
Health Hazard Summary	Low toxicity. This product may only present a hazard with eye contact, prolonged and repeated skin contact or with dust inhalation at high levels.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Product:	Biologically safe and there are no toxins present.
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Dispose of according to Local Regulations.

Uncontaminated product to be place back in appropriates area, contaminated product to be placed in non-conforming bay.

Precautions or methods to avoid: None known

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for Transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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