

SAFETY DATA SHEET

Date of Preparation of this Data Sheet: 15 September 2026

Section 1: Product Identification

Product Trade Name: Bioboost®
Chemical Name: Natural Fertiliser
Recommended Use: Fertiliser
Manufacturer: New Plymouth District Council
Address: Private Bag 2025
 New Plymouth 4342

Website: www.bioboost.co.nz
Emergency Contact 111 for Medical Emergencies
 0800 611 116 Healthline for medical concerns
 General enquiries to New Plymouth District Council
 Phone +64 6 759 6060

Section 2: Hazard Identification

GHS Classification: Not classified as hazardous under Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
Transport Classification: Not classified as a Dangerous Good under NZS 5433:2020 Transport of Dangerous Goods on Land.
Hazard statement: Not Applicable
Precautionary statements: Preventable – Not Applicable
 Response - Not Applicable

Section 3: Composition / Information on Ingredients

Ingredients

Material	% By Weight
Organic solids from activated sewage sludge	90 – 95
Water	Balance

Contaminants	% By Weight
Aluminium	8330 ppm
Arsenic	3.48 ppm
Cadmium	0.63 ppm
Chromium	75 ppm

Lead	14 ppm
Nickel	14 ppm
PFOS ¹ and PFHxS ² (combined)	0.004 mg/kg *
PFOA ³	<0.001 mg/kg *

Section 4: First Aid Emergency Care

Eye Contact:	Flush eyes with clean water for at least 15 minutes. Remove contact lenses. Seek medical attention if irritation persists.
Skin Contact:	Wash skin thoroughly with soap and water.
Inhalation:	Move to fresh air. Seek medical attention if symptoms persist.
Ingestion:	Not expected. If ingested, consult a physician.

Section 5: Fire and Explosion Data

Explosion:	Dust from the product may form explosive mixtures in air in the presence of ignition sources.
Extinguishing Media:	Water, dry chemical, foam.
Special Fire Fighting Procedures:	None required.
Protective equipment:	Full protective gear and self-contained breathing apparatus.
HAZCHEM code:	Not Applicable

Section 6: Spill or Leak Procedures

Spill Clean Up:	Contain and clean up all quantities to solid rubbish. Do not clean into fresh water sources or stormwater drains.
Large Bulk Quantities:	Eliminate ignition sources. Use non-sparking tools. Wear respiratory protection. Reuse if possible.
Waste Disposal:	Dispose of in an approved landfill.

Section 7: Storage and Handling

Handling:	Use according to label instructions.
Storage:	Bags: Keep bags tightly closed in a dry, cool and well-ventilated place. Bulk: Follow local fire codes Bulk Storage - May form explosive dust-air mixtures in the presence of an ignition source. Avoid generating dusts. - eliminate ignition sources; - prohibit smoking, sparks and open flames; - use suitable non-sparking or grounded equipment where dust may accumulate - store away from oxidising agents

¹ Perfluorooctane sulfonate

² Perfluorohexane sulfonic acid

³ Perfluorooctanoic acid

Other information:

Keep out of reach of children and pets.

Once applied, keep your pet away from the area for three days.

Bioboost is not toxic but if it is eaten by a pet, you may wish to consult with your veterinarian for advice.

Wash hands after use.

Section 8: Exposure Control / Personal Protective Equipment
Exposure limits:

<i>Material</i>	<i>% By Weight</i>	<i>Exposure Limits</i>	<i>Permissible Exposure Limit (PEL)</i>	<i>Threshold Limit Value (TLV)</i>
Organic solids from activated sewage sludge	90 – 95%	Total Dust	15mg/m ³	10mg/m ³
		Respirable Fraction	5mg/m ³	

Engineering Controls:

Maintain dust below limits

Ventilation:

Spreading outdoors should be adequate ventilation for bagged products. Consider use of respiratory protection for bulk spreading.

Work Practices:

Minimise dust, maintain hygiene, avoid shaking bags.

Respiratory Protection:

Use HEPA-filter respirators if needed.

Eye Protection:

Safety glasses or goggles.

Skin Protection:

Special equipment is not required.

Hygiene Precautions:

Wash hands and face after use.

Section 9: Physical and Chemical Data

Appearance: Black, granular solid

Odour: Earthy

Odour threshold Not available

pH 5.7 – 6.1

Melting point Not available

Initial boiling point and boiling range Not available

Flash Point Not available

Evaporation rate Not available

Flammability (solid/gas) Not available

Upper/ lower flammability or explosive limits Not available

Vapour Pressure Not available

Vapour Density Not available

Relative Density 0.65 – 0.80 g/cc

Solubility: Insoluble

Partition coefficient (n-octanol/water)	Not available
Auto ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
% Volatile:	Negligible
Particle characteristics	Not available

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions
Incompatibilities:	Strong oxidising agents
Conditions to Avoid:	Heat, sparks, open flames
Decomposition Products:	CO, CO ₂ , nitrogen oxides
Polymerisation:	Will not occur

Section 11: Toxicological information

Acute toxicity	Not Applicable
Aspiration hazard	Not Applicable
Respiratory irritation	May cause nasal and throat irritation
Skin/Eye Irritation	May cause irritation May cause irritation
Respiratory sensitization	Individuals with respiratory ailments, such as asthma, may be particularly sensitive to dust exposure.
Germ cell mutagenicity	Not Applicable
Carcinogenicity	May contain trace carcinogens
Reproductive toxicity	Not Applicable
Specific target organ toxicity	Not Applicable
Other Effects:	Not expected via ingestion; no data on chronic effects

Section 12: Environmental/Ecological Information

Ecotoxicity:	Avoid release into waterways
Persistence and degradability:	Not available
Bioaccumulation:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available
Guidelines Compliance:	Meets NZ 2025 Guidelines for Beneficial Use of Biosolids on Land (Grade A1)

Section 13: Disposal Information

Reuse/Recycle:	Preferred
Disposal:	Apply to land if appropriate or dispose of in approved landfill
Local Regulations:	Follow local authority requirements

Section 14: Transport

UN number:	None
Proper shipping name:	None
DG class:	Not classified as dangerous
Regulation:	Not regulated for transport

Section 15: Regulatory Information

Fertiliser Act 1960:	Superseded
Agricultural Compounds and Veterinary Medicines Act 1997	
Water Services (Wastewater Environmental Performance Standards) Regulations 2025	
HSNO Status:	Not hazardous
Transport Status:	Not a Dangerous Good

Section 16: Other information

Source:	Based on product analysis and regulatory references
Usage:	Follow Bioboost label and NZ 2025 Guidelines for Beneficial Use of biosolids on land