

## SAFETY DATA SHEET

Date of Preparation of this Data Sheet: 21 August 2025

### 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  
 Phone +64 6 759 6060  
**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

### Section 2: Hazard Identification

**HSNO Classification:** Not classified as hazardous under New Zealand Hazardous Substances & New Organisms (HSNO) legislation.  
**Transport Classification:** Not classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.  
**Hazard statement:** Not Applicable  
**Precautionary statements:** Preventable – Not Applicable  
 Response - Not Applicable  
 Bulk Storage - May form explosive dust-air mixtures

### Section 3: Composition / Information on Ingredients

#### Ingredients

<b>Material</b>	<b>% By Weight</b>
Organic solids from activated sewage sludge	90 – 95
Water	Balance

<b>Contaminants</b>	<b>% By Weight</b>
Metal	< 0.11
Organochlorines	< 0.0001

#### Section 4: First Aid Emergency Care

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

#### Section 5: Fire and Explosion Data

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

#### Section 6: Spill or Leak Procedures

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

#### Section 7: Storage and Handling

<b>Handling:</b>	Use according to label instructions. Avoid generating dusts.
<b>Storage:</b>	Bags: Keep bags tightly closed in a dry, cool and well-ventilated place. Bulk: Follow local fire codes
<b>Other information:</b>	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:	Material	% By Weight	Exposure Limits	Permissible Exposure Limit (PEL)	Threshold Limit Value (TLV)
	Organic solids from activated sewage sludge	90 – 95%	Total Dust	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
			Respirable Fraction	5mg/m <sup>3</sup>	

<b>Engineering Controls:</b>	Maintain dust below limits
<b>Ventilation:</b>	General for bagged; additional ventilation may be required for bulk quantities. Consider additional engineering controls (such as respiratory protection).
<b>Work Practices:</b>	Minimise dust, maintain hygiene, avoid shaking bags.
<b>Respiratory Protection:</b>	Use HEPA-filter respirators if needed.
<b>Eye Protection:</b>	Safety glasses or goggles.
<b>Skin Protection:</b>	Special equipment is not required.
<b>Hygiene Precautions:</b>	Wash hands and face after use.

## Section 9: Physical and Chemical Data

<b>Appearance:</b>	Black, granular solid
<b>Odour:</b>	Earthy
<b>Odour threshold</b>	Not available
<b>pH</b>	5.7 – 6.1
<b>Melting point</b>	Not available
<b>Initial boiling point and boiling range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid/gas)</b>	Not available
<b>Upper/ lower flammability or explosive limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Bulk Density</b>	0.65 – 0.80 g/cc
<b>Solubility:</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>% Volatile:</b>	Negligible

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions
<b>Incompatibilities:</b>	Strong oxidising agents
<b>Conditions to Avoid:</b>	Heat, sparks, open flames
<b>Decomposition Products:</b>	CO, CO <sub>2</sub> , nitrogen oxides
<b>Polymerisation:</b>	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 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

<b>Fertiliser Act 1960:</b>	Superseded
<b>Permitted Use:</b>	Allowed under Rule 31 of the Taranaki Regional Fresh Water Plan (2001)
<b>Resource Consent:</b>	Held for Waikato Region
<b>Other Regions:</b>	Check with local authorities
<b>HSNO Status:</b>	Not hazardous
<b>Transport Status:</b>	Not a Dangerous Good

### Section 16: Other information

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