BOOST

SAFETY DATA SHEET

NEW ZEALAND

16 September 2026
Version 1.0

01 Identification

Product identifier	**Boost**
Recommended use	Liquid plant biostimulant for soil application in pasture and cropping systems. Follow the product label and crop-specific advice.
Restrictions on use	Not for human or animal consumption. Ground application only. Prevent entry into drains and waterways.
New Zealand manufacturer	**Biocharge Ltd** 121 Kana Street, Mataura, New Zealand
Contact	021 819 372 | info@biocharge.co.nz biocharge.co.nz
Medical exposure advice	**National Poisons Centre: 0800 764 766 (0800 POISON)** For a life-threatening emergency, call 111.
Pack size	1,000 L IBC. See the individual container label.

02 Hazard identification

Not classified as hazardous under New Zealand GHS. Biocharge has assessed the finished Boost blend as supplied and confirmed this classification.

Signal word: None. Hazard pictograms: None. GHS hazard statements: None required for the confirmed classification.

Other handling concerns: Contains fish-derived material. Avoid ingestion, eye and prolonged skin contact, and spray mist. Spills may be slippery. Control environmental releases of nutrient-rich organic material. Container pressure may build during storage; follow Section 7.

Classification is based on the finished-product assessment confirmed by Biocharge. Product pH and density are pending laboratory retesting by 31 October 2026.

03 Composition / information on ingredients

Water-based mixture of fish hydrolysate, molasses, charged biochar and seaweed extract powder. No other additives or preservatives are added by Biocharge.

Fish-derived ingredient	Fish-derived liquid treated with food-grade sulphuric acid. Residual acid concentration: not available.
Molasses	Sugar-rich ingredient. Detailed supplier composition data: not available.
Charged biochar	Carbonaceous material suspended in liquid. Current production-input moisture has not been verified.
Seaweed extract	Ascophyllum nodosum extract powder. Supplier reference: Seaweed Treat Extract Crop and Pasture, version 4.0.
Water	Present in the supplied blend. Additional water is used during application.

The finished mixture is not classified as hazardous according to the assessment confirmed by Biocharge. Nutrient estimates and their laboratory retesting date are stated on the product label.

04 First-aid measures

Eyes	Flush gently with clean water for at least 15 minutes. Take out contact lenses if readily removable. Obtain medical assessment. Avoid eye drops.
Skin	Rinse affected skin promptly with plenty of water. Remove contaminated clothing. Get medical advice if irritation, rash or skin damage develops.
Inhalation	Move the person into fresh air without exposing the rescuer. Obtain urgent help for breathing difficulty; seek advice if symptoms persist.
Swallowing	Clear residual product from the mouth. Do not induce vomiting. Call the National Poisons Centre. Give no drinks unless instructed by the Centre, and nothing by mouth to an unconscious person.
Medical information	Have the product container or label available. Specific toxicological effects of the mixture have not been established. Treat according to clinical findings.

05 Fire-fighting measures

Not flammable (confirmed by Biocharge). Use an extinguishing medium suitable for the surrounding fire. Thermal decomposition data are unavailable. Burning packaging or dried residue may release smoke and irritating gases.

Firefighters should use suitable protective equipment and breathing apparatus where smoke or decomposition gases are present. Cool exposed containers if safe and contain contaminated runoff.

06 Accidental release measures

Keep people away from the spill and take care on slippery surfaces. Avoid splashes and mist; wear the protective equipment described in Section 8. Stop a leak only when safe.

Contain the release. Recover pumpable liquid into compatible, labelled containers. Absorb remaining liquid with inert material and collect it for suitable disposal. Contain cleanup water. Prevent entry into drains, groundwater and waterways.

07 Handling and storage

Read the current label. Avoid ingestion, eye and prolonged skin contact, and spray mist. Do not eat, drink or smoke during handling. Wash exposed skin after use. Use suitable transfer and application equipment.

Keep out of direct sunlight. Store in a cool, dry, well-ventilated place. Keep containers labelled, upright, secure and away from food/feed. Best before 24 months from date of manufacture. Vent the lid every 30 days during storage to release pressure and reduce the risk of tank bulging. Inspect more often if the storage area gets hot. If a container is already bulging, contact Biocharge before opening.

Application programme: 90 L/ha annually, either 30 L/ha on three occasions 30 days apart, or 10-15 L/ha after grazing until the annual total is reached. Add at least two parts water per one part product. Agitate before and during use. Follow the current label.

08 Exposure controls / personal protection

Engineering controls	Minimise aerosol generation; provide ventilation and accessible washing and eye-rinse water.
Personal protection	Wear a mask, gloves and safety glasses when mixing and applying Boost; use protective clothing. Select respiratory protection suitable for the task and spray-mist exposure.
Exposure limits	No product-specific occupational exposure limit is available. Minimise contact and spray-mist exposure.

09 Physical and chemical properties

Physical state	Liquid blend with suspended biochar; may settle.
Appearance / odour	Expected: dark brown to black; characteristic fish-derived and molasses odour.
Finished-product pH	Pending latest laboratory results. Retest by 31 October 2026.
Density / viscosity	Density: pending; retest by 31 October 2026. Viscosity: not supplied.
Dispersibility	Agitation and dilution are specified for application; quantitative solubility data are unavailable.
Flash point / flammability	Not flammable. Flash point: not supplied.
Other physical data	Odour threshold, melting/freezing point, boiling range, explosion limits, vapour pressure/density, partition coefficient, auto-ignition and decomposition temperatures: not available.
Particle information	Biochar is suspended in liquid. Particle-size distribution has not been supplied.

10 Stability and reactivity

Reactivity and stability: Product-specific test data are not available. Biocharge specifies a best-before period of 24 months from manufacture under the storage conditions in Section 7.

Conditions to avoid: Direct sunlight, heat, poor ventilation, contamination, container damage and pressure build-up. Inspect more often if the storage area gets hot; follow the 30-day lid-venting instruction in Section 7.

Incompatible materials: Product-specific compatibility data are not available. Segregate from strong oxidising agents. Mix with other inputs only after compatibility advice, product-label checks and a jar test.

Decomposition: Fire may produce smoke and irritating gases from organic material and packaging. Other decomposition or fermentation hazards have not been characterised.

11 Toxicological information

Product-specific test data are not available for acute toxicity, skin corrosion/irritation, serious eye damage/irritation, respiratory or skin sensitisation, mutagenicity, carcinogenicity, reproductive effects, single/repeated target-organ toxicity or aspiration hazard. See Section 2 for the classification confirmed by Biocharge.

Likely exposure routes are skin and eye contact, breathing mist and accidental ingestion. Contains fish-derived material. Avoid contact and ingestion, particularly if sensitive to fish. Seek medical advice for irritation, rash, breathing difficulty or other symptoms.

12 Ecological information

Mixture aquatic and terrestrial toxicity, degradation, bioaccumulation and mobility data have not been supplied. Avoid uncontrolled releases: nutrient-rich organic material can affect water quality. Apply only to the intended ground area and prevent runoff or overspray.

Livestock precautions: Excessive selenium or copper use can be toxic to livestock. Obtain veterinary or suitably qualified advice before giving supplements or veterinary medicines containing these elements to animals grazing treated pasture.

Nutrient values are partial ingredient-based estimates, with laboratory retesting due by 31 October 2026. Use only at the label rates and follow the stated livestock precautions.

13 Disposal considerations

Recover usable product when safe. Collect unusable concentrate, contaminated absorbent and wash water for assessment and disposal through an appropriate waste service. Prevent entry to drains and waterways.

Use an accepted container-return or recovery arrangement. Never reuse packaging for drinking water, food or animal feed. Dispose of residues and packaging in accordance with local requirements.

14 Transport information

Transport status	Not dangerous goods for New Zealand road transport (Biocharge confirmation). Other transport modes have not been assessed for Boost.
UN number / shipping name	Not applicable for the confirmed New Zealand road transport classification.
Class / packing group	Not applicable for New Zealand road transport.
Other transport modes	Sea, air and rail: confirm requirements before shipment. Marine-pollutant status has not been assessed.
Practical precautions	Transport containers upright, secured and protected from damage. Use suitable containment and spill-response arrangements.

15 Regulatory information

HSNO: No hazardous-substance approval is identified as required for the finished blend on the basis of the non-hazardous classification confirmed by Biocharge. See Section 2.

ACVM: Boost is intended for supply under the plant-biostimulant registration exemption in Schedule 2, entry 43 of the ACVM (Exemptions and Prohibited Substances) Regulations 2011. Applicable exemption conditions and the MPI notice must be met.

16 Other information

Version 1.0 - issued 16 September 2026. Supersedes previous drafts. Includes the confirmed formulation, manufacturer details, finished-product classification, storage instructions and transport information.

Scheduled review: Laboratory retesting of nutrient content, pH and density is due by 31 October 2026. Update this SDS when results or other relevant safety information become available.

Sources: Biocharge formulation, classification and label records (September 2026); fish specification (17 November 2022); Seaweed Treat Extract Crop and Pasture v4.0; historical biochar analysis (24 November 2023); EPA, MPI and National Poisons Centre guidance.

Issued by Biocharge Ltd for Boost as supplied. Classification is based on the assessment confirmed by Biocharge. Information stated as unavailable is not a measured result. Contact Biocharge for the current version.