

Material Safety Data Sheet

Waikaitu NZBioActive Biostimulant

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Section 1. Product and company identification

Waikaitu NZBioactive Organic Seaweed Biostimulant

MSDS authored by

Waikaitu, Limited

Address: 28 Oxford St Richmond, Nelson 7020

In Case of Emergency call: 03 970 0302

Section 2. Hazards identification

Potential acute health effects

Eyes: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Physical state: Liquid. [Transparent]

Odor: Mild to Strong Seaweed.

OSHA/HCS status:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Potential chronic health effects

Carcinogenicity: No known significant effects or critical hazards.

Chronic effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Ingestion: No specific data.

Skin: No specific data.

Eyes: No specific data.

Inhalation: No specific data.

Emergency overview

Color: Brown/Olive Drab.

Hazard statements:

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Precautions:

No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Medical conditions aggravated by over-exposure: None known.

Section 3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact: After contact with skin, wash immediately with plenty of soap and water. Get medical attention if symptoms occur.

Inhalation: Move exposed person to fresh air. Get medical attention if symptoms occur.

Notes to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire-fighting measures

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Special protective equipment for fire-fighters: No specific fire or explosion hazard. No special protection is required.

Decomposition products may include the following materials: sulfur oxides

Section 6. Accidental release measures

Put on appropriate personal protective equipment (see Section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Put on appropriate personal protective equipment (see Section 8). Avoid contact with used product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Section 8. Exposure controls/personal protection

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Not required under normal conditions of use.

Safety eyewear should be used when there is a likelihood of exposure. Not required under normal conditions of use.

Recommended: Safety glasses with side shields.

No special protective clothing is required.

Use gloves appropriate for work or task being performed. Not required under normal conditions of use. Recommended: Disposable vinyl gloves.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Recommended monitoring procedures: Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9. Physical and chemical properties

Physical state 100°C (212°F) Liquid. [Semi- opaque.]

Odour Strong/Mild Seaweed

Melting Point Not available

Boiling Point Not available

Solubility in

Water: Completely soluble

Specific Gravity: 1.0 - 1.1 at 25°C

pH Value: 2.9 - 4.5

Vapour Pressure: Not available

Vapour Density (Air=1) Not available

Colour: Dark brown/Olive Tan

Flash Point Not Available

Flammability: Not flammable

Auto-Ignition Temperature: Not available

Lower Flammable Limits - Not available

Upper Flammable Limits - Not available

Section 10. Stability and reactivity

The product is stable: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactive or incompatible with the following materials: oxidizing materials and acids.

Section 11. Toxicological information

Acute toxicity: No specific data.

Chronic toxicity: No specific data.

Section 12. Ecological information

Environmental effects: Not established

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues.

Waste disposal: Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Section 13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT/TDG/IMDG/IATA: Not regulated.

HCS Classification: Not regulated.

Section 15. Regulatory information

U.S. Federal regulations United States inventory (TSCA 8b): Not determined.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

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CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.

Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.
Australia inventory (AICS): Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
WHMIS (Canada): Not controlled under WHMIS (Canada).
International regulations International lists

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canadian lists: California Prop. 65
Canada inventory: Not determined.
Massachusetts: None of the components are listed.

New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.