

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Acadian Seaweed Meal**
 Product Use: Livestock feed supplement
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd
 Address: 10 Firth Street
 Drury, 2113

Telephone: +64 9 294 8453
 Fax Number: +64 9 294 7272

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 4 June 2021

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Dried algae <i>Ascoplythum nodsum</i>	100	Not applicable

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

If on Skin: Rinse and then wash with water and soap. Seek medical advice if needed,

If Swallowed: Rinse mouth with water.

If Inhaled: Do not intentionally breathe dust.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from	None known.

combustion products	
Suitable Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Precautions for firefighters and special protective clothing	Slippery when wet.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Do not attempt to take action without suitable protective equipment as detailed in Section 8.

Spills may be easily cleaned by removing as much solid as possible and washing remaining spill with copious amounts of water. Avoid loose product on floor in damp areas as product may become slippery with the addition of clean up water. Dispose of according to Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Wear personal protective equipment.
- Avoid generation of dust.

Precautions for Storage:

- Store in a cool, dry place.
- Avoid exposure to high humidity or moisture levels.

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

No specific ventilation requirements. Eyewash facilities should be available.

Personal Protection Equipment



Eyes	Eye protection should be worn when handling.
Hands	Gloves should be worn when handling.
Skin	Wear suitable protective clothing
Respiratory	Dust masks should be worn when handling.

Section 9 Physical and Chemical Properties

Appearance	Flakes or Powder
Colour	Olive green
Odour	Marine like
Odour Threshold	Not available
pH	6-8
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Bulk Density	0.6 – 0.8 g/cm ³
Solubilities	Insoluble in water
Log Pow	Not available
Auto-ignition Temperature	Approx 550°C
Decomposition Temperature	Approx 550°C
Viscosity, dynamic	Not available
Particle Characteristics	Not available
Explosive Properties	Not available
Organic Matter	60 – 70%
Ash Minerals	20 – 25%
Maximum Moisture	13%

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended storage and treatment circumstances.
Possible hazardous reactions	None known.
Conditions to Avoid	Excessive humidity or moisture levels.
Incompatible Materials	None known.
Hazardous Decomposition Products	Not applicable.

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not classified. Ingestion of significant amounts may cause nausea and discomfort.
Dermal	Not classified.
Inhalation	Not classified.
Eye	Not classified.
Skin	Not classified.

Chronic Effects:

Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Germ Cell Mutagenicity	Not classified.

Aspiration	Not classified.
STOT/SE	Not classified.
STOT/RE	Not classified.

Section 12. Ecotoxicological Information

High concentrations may cause burning of plants. Non toxic to marine algae, vertebrates or invertebrates.

Product:	
Persistence and degradability	Biodegradable.
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.

Disposal 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 hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	None

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
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

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

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