

SAFETY DATA SHEET

Acadian® Organic Liquid Seaweed Concentrate 0.1 - 0 - 5

1. IDENTIFICATION

Product Identifier: Acadian® Organic Liquid Seaweed Concentrate

Other Means of Identification: Extract from algae (*Ascophyllum nodosum*)

Uses: Agricultural input, nutritional supplement for plants

Recommended Use: Apply according to usage instructions on the product label.

Producer/Importer: Acadian Seaplants Limited

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2. HAZARDS IDENTIFICATION

GHS Classification: Not classified

This product is not hazardous and does not require hazard identification.

3. COMPOSITION / INFORMATION ON INGREDIENTS

No.	Ingredients Name	CAS-NO	Cons. (weight%)	Classification
1	Extract from algae	84775-78-0	100%	IK
Legend: T+ = Very Toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, IK = No Classification Required, E = Explosive, O = Oxidizing, F+ = Extremely Flammable, F = Very Flammable, Fo = Flammable, N = Dangerous to Environment, Mu = Genotoxic, Sens = Sensitizing, Care = Carcinogen, Repr = Causes Birth Defects				

4. FIRST AID MEASURES**GENERAL**

Non-hazardous material. If irritation or discomfort occurs, seek medical advice from a physician.

EYE CONTACT

Non-irritating to ocular tissue. Immediately flush eyes with plenty of water. Keep eyes wide open while flushing. Seek medical attention if irritation occurs.

SKIN CONTACT

Non-irritating to skin. Wash with mild soap and water. Seek medical attention if discomfort occurs.

INHALATION

Non-toxic. Do not intentionally breathe vapors.

INGESTION

Non-toxic if ingested. Drink plenty of water or milk. Seek medical attention if discomfort occurs.

OVER EXPOSURE

Not applicable.

MOST IMPORTANT SYMPTOMS, ACUTE AND DELAYED

Not applicable.

IMMEDIATE MEDICAL ATTENTION REQUIRED

Not applicable.

5. FIRE FIGHTING MEASURES**FLASH POINT**

Not applicable.

FLAMMABLE LIMITS

Not applicable.

SUITABLE EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Non-flammable. Non-explosive.

COMBUSTION PRODUCTS

Not hazardous

PRECAUTIONS

Product may be slippery.

6. ACCIDENTAL RELEASE MEASURES**SAFETY MEASUREMENTS TO PROTECT PERSONS**

Gloves and eye protection should be worn when handling based on staining.

PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP

Spills may be easily cleaned by removing as much material as possible and washing remaining spill with copious amounts of water. Gloves and eye protection should be worn due to temporary staining.

7. HANDLING AND STORAGE**HANDLING ADVICE**

Avoid handling which may cause staining. Use personal protective equipment as specified in section 8.

STORAGE

Store in temperature between 23 °F (-5 °C) and 104 °F (+40 °C), away from sunlight. No specific ventilation requirements. Eyewash facilities should be available. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION**EXPOSURE LIMITS**

None assigned.

APPROPRIATE ENGINEERING CONTROLS

No specific ventilation requirements. Eyewash facilities should be available.

RESPIRATION PROTECTION

No respirator is required.

EYE PROTECTION

Eye protection should be worn when handling due to temporary staining.

HAND PROTECTION

Gloves should be worn when handling due to temporary staining.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Air Reactive	n/a
Color	Black	Percent Volatile (by Volume)	n/a
Odor	Marine-like	Density	1.17 g/cc
Solubility	100% Water Soluble	Solubility in Water	100% at 20 °C
Melting Point/Range	n/a	Saturation Conc.	Not Determined
Expl. Limit LEL-UEL. %-%	n/a	Rel. Density Sat. Air (Air=1)	Not Determined
Vapor Pressure	Not Determined	Boiling Point/Range	100 °C (212 °F)
Decomposition Temp.	Not Determined	pH Concentrate	4.5 - 5.5
pH Solution	4.5 - 5.5	Viscosity	<100 cP
Flash Point	Not Determined	Smelling Limits lo-hi	Not Determined
Molecular Weight	n/a	Rel. Evap. Velocity	Not Determined
Ignition Temp.	550 °C	Water Reactive	n/a
Rel. Vapor Density (air=1)	Not Determined		

10. STABILITY AND REACTIVITY**REACTIVITY**

Product is not reactive.

STABILITY

Product is stable.

CONDITIONS TO AVOID

Excessive moisture, heat or freezing.

Do not store below 23 °F (-5 °C) for prolonged periods of time as the product is aqueous and may freeze.

MATERIALS TO AVOID

Oxidants and strong acids may cause degradation.

HAZARDOUS DECOMPOSITION PRODUCTS

Not applicable

HAZARDOUS POLYMERIZATION

Will not occur.

11. TOXICOLOGICAL INFORMATION**ACUTE ORAL TOXICITY**

Non-toxic orally. Ingestion of significant amounts may cause nausea and discomfort.

ACUTE OCULAR TOXICITY

Non-irritating to the ocular tissue of non-irrigated eyes.

ACUTE DERMAL TOXICITY

Not toxic dermally. No treatment-related effects were observed.

ACUTE DERMAL IRRITATION

No irritation or corrosive effects were observed.

INHALATION TOXICITY

Not hazardous by inhalation.

SKIN SENSITIZATION

Very slight erythema observed with no other signs of irritation.

CARCINOGENICITY

Not listed by IARC, NTP, or OSHA as a carcinogen.

12. ECOLOGICAL INFORMATION**BREAKDOWN**

Biodegradable. Product presents minimal environmental impact.

ECOTOXICITY

Plant nutritional supplement and growth stimulant, high concentrations may cause burn of plants. Non toxic to marine algae, vertebrates or invertebrates.

GROUNDWATER CONSIDERATIONS

Not harmful if accidentally discharged into groundwater. Use manufacturer recommended rates of crop application. Do not allow large quantities of the product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Not classified as hazardous waste. Product must be disposed of according to federal, state or local procedures regarding fertilizing materials.

14. TRANSPORT INFORMATION

Non-hazardous material according to transport regulations. No special precautions are necessary.

15. REGULATORY INFORMATION**COMPOSITION**

Extract from algae (*Ascophyllum nodosum*)

R-PHRASES

The product does not require labeling. Marking according to hazardous product regulations is not required.

REFERENCES

The SDS is prepared on basis of information given by the manufacturer.

16. OTHER INFORMATION

ISSUED: September 2021

VENDOR NOTES

Every endeavor has been made to ensure that the information contained in this SDS leaflet is reliable, but Acadian Seaplants Limited (ASL) cannot accept liability for any loss, injury or damage, which may result from its use or misuse. Data given in this SDS is solely for the guidance in safe handling and use of the product by customers; they do not form part of any specification. Customers are encouraged to conduct their own tests following discussion with ASL's technical department. The above information is based on experience, but it is always advisable for customers to satisfy themselves by consultation with ASL's technical department and small-scale testing, if necessary, that product that they have selected is suitable for their purpose under their conditions of use.