SAFETY DATA SHEET
ACADIAN™ Organic Liquid Seaweed Concentrate
0.1 - 0.0 - 5.0

1. IDENTIFICATION

Trade Name: ACADIAN™ Organic Liquid Seaweed Concentrate
Common Name: Extract from algae (Ascophyllum nodosum)
Uses: Nutritional supplement for plants

Recommended use: Apply 32 to 128 ounces per acre every 14 to 30 days throughout the growing season, including post harvest for trees and vines.

Producer/Importer: Acadian Seaplants Limited
Address: 30 Brown Avenue
Postal Code & City: Dartmouth, Nova Scotia, Canada, B3B 1X8
Emergency Phone: +1 902 468 2840
Fax: +1 902 468 3474
Contact Person: David Hiltz
Issued by: Technical Department (Acadian Seaplants Limited)

2. HAZARD IDENTIFICATION

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

3. COMPOSITION OF PRODUCT

<table>
<thead>
<tr>
<th>No.</th>
<th>Ingredients Name</th>
<th>CAS-No</th>
<th>Cons. (weight %)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Extract from algae</td>
<td>n/a</td>
<td>100%</td>
<td>IK</td>
</tr>
</tbody>
</table>

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.

5. FIRE-FIGHTING MEASURES

FLASH POINT
Not applicable.

FLAMMABLE LIMITS
Not applicable.

PROPER FIREFIGHTING EQUIPMENT
Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARDS
Non-flammable. Non-explosive.

COMBUSTION PRODUCTS
Not hazardous

PRECAUTIONS
Slippery when mixed with water

6. ACCIDENTAL RELEASE MEASURES

SAFETY MEASUREMENTS TO PROTECT PERSONS
Gloves and eye protection should be worn when handling due to temporary staining.

PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP
Spills may be easily cleaned by removing as much product 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 dry, cool place and out of direct 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 CONTROL
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

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

REACTIVITY
Product is stable.

CHEMICAL STABILITY
Product is stable. Oxidants and acids may cause degradation.

CONDITIONS TO AVOID
Excessive moisture, heat or freezing.

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.

CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE
Not observed.

CARCINOGENIC EFFECTS
Not 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 leached into groundwater. Use manufacturer recommended rates of 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 fertilizers.

14. TRANSPORT INFORMATION
GENERAL
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: March 2017

VENDOR NOTES
Every endeavor has been made to ensure that the information contained in this SDS leaflet is reliable, but we 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. If any difficulties arise, we shall be glad to discuss them. Customers are encouraged to conduct their own tests following discussion with our technical department. The above information is based on experience, but it is always advisable for customers to satisfy themselves, by consultation with our technical department and small-scale testing if necessary, that product, which they have selected, is suitable for their purpose under their conditions of use.