



SAFETY DATA SHEET

Stella Maris®

1. IDENTIFICATION

Trade Name: Stella Maris®
Common Name: Extract from algae (*Ascophyllum nodosum*)
Uses: Nutritional supplement for plants
Recommended use: Apply 1 to 4 liters per acre every 7 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
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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

No.	Ingredients Name	CAS-NO	Conc. (weight %)	Classification
1	Extract from algae (<i>Ascophyllum nodosum</i>)	84775-78-0	99.71%	IK
2	Methyl 4-hydroxybenzoate, sodium salt	5026-62-0	0.23%	Xi
3	Propyl 4-hydroxybenzoate, sodium salt	35285-69 -9	0.06%	Xi

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, Carc = 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

Appearance	Black Liquid	Air Reactive	n/a
Odor	Marine-like	Percent Volatile (by Volume)	n/a
Solubility	100% Water Soluble	Density	1.16 g/cm ³
Melting Point/Range	Not Determined	Solubility in Water	100% at 20°C
Expl. Limit LEL-UEL. %-%	n/a	Saturation Conc.	Not Determined
Vapor Pressure	Not Determined	Rel. Density Sat. Air (Air=1)	Not Determined
Decomposition Temp.	Not Determined	Boiling Point/Range	Not Determined
pH Value	7.4-8.2	pH Concentrate	7.4-8.2
Flash Point	n/a	Viscosity	<100 cP
Molecular Weight	Not Determined	Smelling Limits lo-hi	Not Determined
Ignition Temp.	550°C	Rel. Evap. Velocity	Not Determined
Rel. Vapor Density (air=1)	Not Determined	Water Reactive	n/a

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: February 2016

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.