



BioAtlantis

Nature Working Naturally™

MATERIAL SAFETY DATA SHEET

BioAtlantis Super Fifty®

1. Company & Product Identification

Company Identifier:

Manufacturer: BioAtlantis Ltd.
Address: Kerry Technology Park, Tralee, Co. Kerry, Ireland.
Contact Details: Tel: +353 (0) 667 118 477, Fax: +353 (0) 667 119 802, E-mail: info@bioatlantis.com
Emergency Phone No.: Tel: +353 (0) 667 118 477
Emergency Contact Name: Bryan Corridan
Emergency Contact Times: Monday - Friday, 9am – 5pm (GMT)

Product Identifier:

Product Name: Super Fifty®
Product Code: A002
Description: *Ascophyllum nodosum*, extract.
EC number: 283-907-6
CAS number: 84775-78-0
Intended Use: Plant strengthener/organic fertilizer/foliar spray for use in agriculture and horticulture.

2. Hazard Identification

Classification: Non-hazardous
Signal word: No signal word
Precautionary statements: If skin irritation occurs: Get medical advice/attention
Avoid breathing spray
Use personal protective equipment as required
Keep out of the reach of children
Other hazards: This product will stain skin upon prolonged exposure

3. Composition/Information on Ingredients

Substance Name: *Ascophyllum nodosum*, extract
Substance Description: 50% w/v soluble seaweed extract from *Ascophyllum nodosum* brown algae
Note: Confidential business information has been omitted
EC number: 283-907-6
CAS number: 84775-78-0

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4. First-Aid Measures

General:	Non-hazardous material. If irritation occurs, seek medical advice.
Inhalation:	Remove the exposed individual from the area into fresh air is recommended.
Skin:	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if irritation occurs.
Eyes:	In case of contact, irrigate with clean water for >15 minutes. Seek medical attention if irritation or redness persists.
Ingestion:	If swallowed, drink plenty of water or milk. Seek medical advice. Do not induce vomiting.
First Aid Responders:	Wear rubber or nitrile gloves to prevent staining of skin.

5. Fire-Fighting Measures

General:	Non-flammable and non-explosive.
Protective action:	In the event of a fire, keep containers cool with water spray.
Unusual fire/explosion hazards:	Unknown.
Special protective equipment:	Fire fighters should wear personal protective equipment to prevent contamination of skin, eyes and personal clothing.
Caution:	Slippery in liquid form or when mixed with water

6. Accidental Release Measures

Safety Precautions:	Use personal protective equipment to prevent contamination of skin, eyes and clothing.
Small spills:	May be washed to drain.
Large spills:	Contain spill with sand, sawdust, absorbent clay or similar material. Sweep up and transfer material into labelled containers for transfer to a safe place for disposal. Flush the area with plenty of water when all the spillage has been removed. This product will stain concrete.
Drainage:	Prevent the spillage from entering watercourses, sewers or drains if possible. Inform the authorities if gross contamination of water is threatened or occurs.

7. Handling and Storage

Precautions for safe handling:

- Eating, drinking and smoking in work areas is prohibited.
- Use personal protective equipment to prevent contamination of skin, eyes and personal clothing.
- Avoid breathing mist/spray.
- If irritation occurs: Get medical advice/attention.
- Keep out of reach of children.
- Avoid excessive handling which may cause staining of skin.
- Wash your hands after use.

Precautions for safe storage:

- Keep in original container, tightly closed.
- Store in a suitable cool, dry location, out of direct sunlight, away from direct sources of heat.
- Protect from frost.
- Keep away from food, drink and animal feeding stuffs.

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8. Exposure Controls/Personal Protection

Engineering Controls:	Advisable to spray product in a well-ventilated area. Do not intentionally breath spray.
Respiratory Protection:	No respirator is required.
Hand Protection:	Wear rubber or nitrile gloves to prevent staining of skin.
Skin Protection:	Wear a water impermeable bodysuit to prevent staining of skin.
Eye Protection:	Wear chemical goggles. Eyewash facilities should be available.

9. Physical and Chemical Properties

Appearance:	Black/brown liquid
Odour:	Marine
Odour Threshold:	Not determined
pH:	8.5 – 10.5
Melting Point/Freezing Point:	Not determined
Initial Boiling Point/Boiling Range:	Data lacking
Flash Point:	N/A
Evaporation Rate:	Not determined
Flammability:	Non flammable
Upper/lower flammability or exposure limits:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Relative Density:	1.22 – 1.25
Solubility:	≥99% water soluble
Partition Coefficient: n-octanol/water:	Not determined
Auto-ignition Temperature:	550°C
Decomposition Temperature:	Not determined
Viscosity:	<300 Centipoises

10. Stability and Reactivity

General: Stable under recommend storage conditions. It can be stored for 2 years in unopened containers.
Incompatible Materials: Do not mix with highly acidic chemicals. Oxidants and acids may cause degradation.
Conditions to Avoid: Avoid direct sunlight, protect against excessive heat and freezing.
Hazardous Decomposition Products: N/A

11. Toxicological Information

Acute oral toxicity:	Ingestion of large amounts may induce nausea.
Skin corrosion/irritation:	No sensitisation effects have been observed
Serious eye damage/irritation:	Data lacking
Respiratory of skin sensitisation:	Data lacking
Germ cell mutagenicity:	Data lacking
Carcinogenicity:	Data lacking
Reproductive toxicity:	Data lacking
STOT – single exposure:	Data lacking
STOT – repeated exposure:	Data lacking
Aspiration hazard:	No sensitisation effects have been observed

12. Ecological Information

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Ecotoxicity:	High concentrations may cause scorching in plants. Non-toxic to vertebrates, invertebrates or marine algae.
Persistence and Degradability:	Components are readily biodegradable.
Bioaccumulative Potential:	Biodegradable. Product presents minimal environmental impact.
Spillages:	Prevent the spillage from entering watercourses, sewers or drains if possible. Inform the authorities if gross contamination of water is threatened or occurs.

13. Disposal Considerations

Product Disposal:	Consult the local authorities for advice on disposal of unwanted or waste product.
Packaging Disposal:	Dispose of containers as local regulations allow.
Personal Protection:	Person carrying out disposal should wear PVC gloves.
Caution:	Do not contaminate surface waters or ditches with product or used containers.

14. Transport Information

General:	Non-hazardous material. No special precautions required.
Road Transport:	Non hazardous.
UN Number:	No UN Number.
Proper Shipping Name:	BioAtlantis Liquid Seaweed Extract Concentrate.
IMDG Class:	Not applicable.
CPL Packing Group:	Not applicable.

15. Regulatory Information

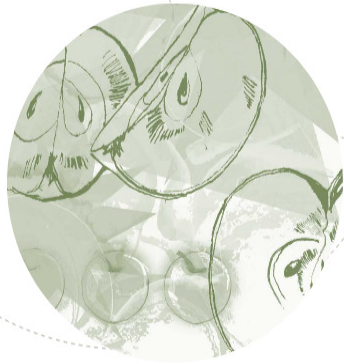
Composition:	<i>Ascophyllum nodosum</i> , extract.
H-Statements:	None.
P-Statements:	P102: Keep out of reach of children. P261: Avoid breathing spray. P281: Use personal protective equipment as required. P332/313: If skin irritation occurs: Get medical advice/attention.
R-Phrases:	None.
S-Phrases:	S2: Keep out of the reach of children. S23: Do not breathe spray. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16. Other information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

End of Material Safety Data Sheet

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OMRI Listed®

The following product is OMRI Listed. It may be used in certified organic production or food processing and handling according to the USDA National Organic Program regulations.

Product

BioAtlantis SuperFifty 0-0-8 Super Concentrated Extract of Ascophyllum Nodosum

Company

BioAtlantis Ltd
John T. O'Sullivan
Clash Industrial Estate
Tralee County Kerry V92 RWV5 IRELAND

Status

Allowed

Category

NOP: Seaweed and Seaweed
Products

Issue date

12-Apr-2019

Product number

bal-12174

Class

Crop Fertilizers and Soil
Amendments

Expiration date

01-Jun-2021

Restrictions

Not applicable.

Executive Director/CEO

Product review is conducted according to the policies in the current *OMRI Policy Manual*® and based on the standards in the current *OMRI Standards Manual*®. To verify the current status of this or any OMRI Listed product, view the most current version of the *OMRI Products List*® at OMRI.org. OMRI listing is not equivalent to organic certification and is not a product endorsement. It cannot be construed as such. Final decisions on the acceptability of a product for use in a certified organic system are the responsibility of a USDA accredited certification agent. It is the operator's responsibility to properly use the product, including following any restrictions.



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