



**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

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

## 5. Fire-Fighting Measures

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

## 6. Accidental Release Measures

<b>Safety Precautions:</b>	Use personal protective equipment to prevent contamination of skin, eyes and clothing.
<b>Small spills:</b>	May be washed to drain.
<b>Large spills:</b>	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.
<b>Drainage:</b>	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

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

## 9. Physical and Chemical Properties

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

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

## 12. Ecological Information

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<b>Ecotoxicity:</b>	High concentrations may cause scorching in plants. Non-toxic to vertebrates, invertebrates or marine algae.
<b>Persistence and Degradability:</b>	Components are readily biodegradable.
<b>Bioaccumulative Potential:</b>	Biodegradable. Product presents minimal environmental impact.
<b>Spillages:</b>	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

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

### 14. Transport Information

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

### 15. Regulatory Information

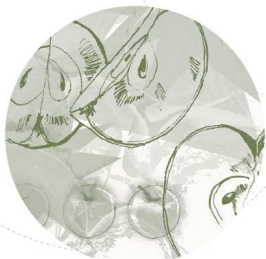
<b>Composition:</b>	<i>Ascophyllum nodosum</i> , extract.
<b>H-Statements:</b>	None.
<b>P-Statements:</b>	P102: Keep out of reach of children. P261: Avoid breathing spray. P281: Use personal protective equipment as required. P332/313: If skin irritation occurs: Get medical advice/attention.
<b>R-Phrases:</b>	None.
<b>S-Phrases:</b>	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 Rule.

## Product

BioAtlantis Super Fifty® 0-0-6

## Company

BioAtlantis Ltd  
Mr John T. O'Sullivan  
Tom Crean Business Centre  
Kerry Technology Park  
Tralee, County Kerry - IRELAND

## Status

Allowed

## Category

NOP: Seaweed and Seaweed Products

## Issue Date

04-Dec-08

## Product number

bal-1344

## Class

Crop Fertilizers and Soil Amendments

## Expiration Date

01-Mar-2015

## Restrictions

Not Applicable.

Executive Director

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 [www.omri.org](http://www.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.



Organic Materials Review Institute  
P.O. Box 11558, Eugene, OR 97440-3758, USA  
541.343.7600 • fax 541.343.8971 • [info@omri.org](mailto:info@omri.org) • [www.omri.org](http://www.omri.org)

# ORGANIC TRUST LIMITED

## CERTIFIED PRODUCTS SCHEME



***This is to certify that the Organic Trust Symbol  
under the Certified Products Scheme  
has been awarded to***

Licence issued for the manufacture of dry seaweed and extracted seaweed bioactives as follows:  
Alga 50 (T/A Super Fifty); Alga 40 (T/A Forte); Alga 45, Alga 30 (T/A Simplex); Alga 34, AlgaGel; Alga 50 Low  
pH; XT 45; GS 35; Ocean Sprint; Ascogold (T/A Ecolicitor); Alga 95; Activio; AlgaCore; Nematec; Seamax;  
Ocean Green Fortify; Ocean Green Nematec; Biosprint Alga 30; Seafior 50; Resistance; Frontiere; GutCare;  
NeoShield; LactoShield;

**The OT Certified Products Scheme covers approved products acceptable  
for use in organic systems - such products lie outside the  
legislative scope of (EC) regulations 834/2007 and 889/2008 as amended  
Certification for above product(s) has been granted to**

**BioAtlantis Ltd**  
(Bryan Corridan)

**at**

Tom Crean Business Centre, Kerry Technology Park, Tralee, Co. Kerry  
North Cork Co-Op, Strand Street, Kanturk, Co. Cork

**Symbol No. CP310**

**Valid From: 01/01/2014**

**Signed:**

A handwritten signature in black ink, appearing to read "Bryan Corridan", is written over a horizontal line.

**Valid Until: 31/12/2014**

***National Co-ordinator of the Organic Trust Ltd,  
Vernon House, 2 Vernon Avenue, Clontarf, Dublin 3.  
Telephone/Fax: 01 8530271. Email: [organic@iol.ie](mailto:organic@iol.ie)  
Web: [www.organictrust.ie](http://www.organictrust.ie)***

***The Organic Trust Limited is an  
EU Approved Organic Certification Body.***