



# Angus Horticulture Ltd

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## Material Safety Data Sheet

### BioActive Molturf

#### **SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

##### 1.1 Product Identifier

Product Name BioActive Molturf

##### 1.2 Relevant identified uses of the Substance or Mixture and uses advised against

Identified Uses Plant tonic  
Uses identified against None identified

##### 1.3 Details of the Supplier of the Safety Data Sheet

Supplier Angus Horticulture Limited  
Polmood  
Guthrie  
FORFAR  
DD8 2TW  
+44 (0) 1241 829049  
+44 (0) 1241 829043  
[Sales@angus-horticulture.co.uk](mailto:Sales@angus-horticulture.co.uk)

##### 1.4 Emergency Contact Number

Emergency telephone +44 (0)1674 674253/674352

#### **SECTION 2 Hazards Identification**

##### 2.1 Classification of the substance or mixture

Physical Hazards Not classified.  
Health Hazards Not classified.  
Environmental Hazards Not classified.

##### 2.2 Label Elements

Hazard Pictograms Not relevant.  
Signal Word Not relevant.  
Hazard Statement(s) Not relevant.  
Precautionary Statement(s) Not relevant.

##### 2.3 Other Hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

#### **SECTION 3 Composition/Information on Ingredients**

##### 3.1 Mixtures

This product contains no ingredients that are classified according to Regulation (EU) No 1272/2008 (CLP).



## **SECTION 4 First Aid Measures**

### **4.1 Description of first aid measures**

Following Inhalation	Avoid inhalation of vapour, spray or mist. If inhaled, remove to fresh air. Get medical attention if symptoms are severe or persist.
Following Eye contact	Rinse cautiously with running water. Check for and remove any contact lenses if possible. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.
Following Skin contact	Remove all contaminated clothing and wash before reuse. Wash affected area thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Following Ingestion	Rinse mouth with water. If person is conscious, give plenty of water to drink. Consult a Doctor/medical service if person feels unwell.
Self-protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. Personal protective equipment for first aid responders is recommended. Wear protective gloves when assisting patient.

### **4.2 Most important symptoms and effects, both acute and delayed.**

Eye contact	Eye irritation should not occur when used as recommended.
Inhalation	Inhalation should not occur when used as recommended.
Skin contact	Skin irritation should not occur when used as recommended.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Notes for the Doctor	Treat symptomatically
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## **SECTION 5 Firefighting Measures**

### **5.1 Extinguishing media**

Suitable extinguishing media	Use a fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable.

### **5.2 Special hazards arising from the substance or mixture**

Hazardous combustion products	Irritating substances may be emitted upon thermal combustion so self-contained breathing apparatus will be required.
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### **5.3 Advice for firefighters**

Protective actions	Dilute toxic gases with water spray.
Special protective equipment	Use protective equipment appropriate for surrounding materials.

## **SECTION 6 Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Avoid inhalation of vapour, mist or spray and avoid contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
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### **6.2 Environmental precautions**

Prevent large quantities of product from having contact with vegetation or waterways. Keep animals away from large spillages.



### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up      Soak up product with absorbent material such as dry sand and earth and shovel absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Take care as floors and other surfaces may become slippery. Wash clothing and equipment after handling. Collect and dispose of spillage as indicated in Section 13.

### 6.4 Reference to other sections

Refer to section 8, Exposure controls/personal protection, and Section13, Disposal considerations, of SDS.

## **SECTION 7 Handling and Storage**

### 7.1 Precautions for safe handling

Protective measures      Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.

Measures to prevent fire      Keep away from open flames, hot surfaces and sources of ignition.

To protect the environment      Product has high BOD. Therefore discharge in to water courses should be prevented.

Hygiene measures      Handle in accordance with good industrial hygiene and safety procedures.  
Wash hands with soap and water before eating, drinking, or smoking and again when leaving work.

### 7.2 Condition for safe storage, including any incompatibilities

Technical measures      Ensure storage is in accordance with all applicable local, regional and national regulations. Storage construction should construction should be of non-combustible material.

Packaging materials      Store in original container.

Requirements for storage      Keep container tightly closed and sealed until ready for use. Store in a cool, well-ventilated area away from food and drink. Containers that have been opened must be resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Keep away from direct sunlight.

### 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8 Exposure Control/Personal Protection**

### 8.1 Control parameters

Occupational exposure limit values Not available.

### 8.2 Exposure Controls

Personal protective equipment      If insufficient ventilation, wear respiratory protection.  
Protective goggles, face shield or visor should be worn.  
Protective (heat resistant) gloves should be worn.



Appropriate engineering measures

Handling should only take place in adequately ventilated areas.  
Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.  
Keep away from foodstuffs, beverages and feed.  
Wear appropriate clothing to prevent repeated or prolonged skin contact.  
Immediately remove all contaminated clothing.

Environmental exposure controls

Do not empty in to drains, sewers, waterways or ground water system.



## **SECTION 9: Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	Dark brown liquid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial Boiling point/range °C	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid,gas)	No data available
Upper/Lower flammability or Explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	Does not meet the criteria for classification as oxidising.

## **SECTION 10 Stability and Reactivity**

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
Chemical Stability	Stable under recommended storage and handling conditions (See Section 7).
Possibility of Hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Keep away from heat sources.
Incompatible materials	Avoid contact with oxidising agents, strong acids and alkalis and metals.
Hazardous decomposition products	Burning can result in the release of sulphur oxides, CO <sub>2</sub> , water and N compounds.

## **SECTION 11 Toxicological Information**

### **11.1 Information on toxicological effects**

#### **Acute Toxicity**

Product: No specific test data are available.

#### **Irritation**

Product: Not classified. Irritation should not occur when used as recommended.

#### **Corrosivity**

Product: Not classified.

#### **Sensitisation**

Product: No specific test data are available. Sensitisation should not occur when used as recommended.

#### **Repeated Dose Toxicity**

Product: Not classified – lack of data.



Carcinogenicity

Product No specific test data are available. There is no evidence that this product can cause cancer.

Germ Cell Mutagenicity

Product There is no evidence that this product has mutagenic properties.

Reproductive Toxicity

Product Does not contain any substances known to be toxic to reproduction.

General Information

This product is considered to be a low hazard under normal condition of use.

**SECTION 12 – Ecological Information**

12.1 Toxicity

Product No data available.

12.2 Persistence and Degradability

Bio-degradation

Product No data available.

12.3 Bio-accumulative Potential

Bio-accumulation factor No data available.

12.4 Mobility in Soil

Absorption/Desorption

Product No data available.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

**Section 13 - Disposal Considerations**

13.1 Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Packaging disposal recommendations

Packaging should be disposed by landfill or incineration as appropriate, in accordance with relevant regulations. Do not remove the label from the packaging unless the packaging has been thoroughly cleaned.

Sewage disposal recommendations

Keep out of sewers and waterways.

Waste disposal recommendations

Place in an appropriate container and dispose of in a safe way.

**Section 14 – Transport Information**

General

The product is not covered by international regulations on the transport of dangerous good (IMDG, IATA, ADR/RID).

UN Number

Not applicable.

UN Proper Shipping Name

Not applicable.



Transport Hazard Class(es)	No transport warning sign required.
Packing Group	Not applicable.
Environmental Hazards	This product is not environmentally hazardous according to the criteria of the UN Model Regulations, nor is it a marine pollutant according to the IMDG Code.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

### **Section 15 – Regulatory Information**

#### **15.1 Safety, Health and Environmental Regulations/Legislation specific for the substance or mixture**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16<sup>th</sup> December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**15.2 Chemical Safety Assessment**                      No chemical safety assessment has been carried out.

### **Section 16 Other Information**

#### **DISCLAIMER**

The information in the safety document applies only to the specific product detailed in Section 1 and is not necessarily correct for use with other chemicals/products.

The product information in this data sheet is, to the best knowledge of Angus Horticulture Ltd, correct at the date of publication.

The manufacturer or Supplier does not accept liability for any loss or damage resulting from reliance on this information. Final determination of the suitability of any product is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, it cannot be guaranteed that these are the only hazards that exist.

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