

# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier:

**Biowetter**

### 1.2 Relevant uses of the substance or mixture and uses advised against:

**Supplied for use as an amateur use fertiliser**

### 1.3 Details of the supplier of the safety data sheet:

Plant Magic Plus Ltd  
Unit 12  
Liberty Industrial Park  
South Liberty Lane  
Bristol  
BS3 2SU

**Contact: The Safety Officer**  
Phone number: 0117 978 2499

**Email: [info@plantmagicplus.co.uk](mailto:info@plantmagicplus.co.uk)**

### 1.4 Emergency phone number

For urgent medical help or advice, contact the NHS by calling 111.

**Phone number: 0117 978 2499**

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFICATION in accordance with Regulation (EC) No 1272/2008:

**Eye Irritation 2; H319 Causes serious eye irritation.**

### 2.2 Label Elements

**Biowetter**

#### Hazard pictogram:

GHS07



#### Signal word:

Warning

#### Hazard statements:

H319 Causes serious eye irritation.

**Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

**2.3 Other Hazards**

Mixture does not meet criteria in REACh as PBT or vPvB

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3.COMPOSITION/INFORMATION ON INGREDIENTS

**Product Code:** *not specified*

**3.2 Mixtures**

**Hazardous components**

<b>Chemical Name</b>	<b>CAS-No. / EC-No.</b>	<b>Index No. /REACh no.</b>	<b>Classification in accordance with Regulation (EC) No 1272/2008</b>	<b>Concentrations [%]</b>
Saponins	8047-15-2/ 232-462-6	-	Eye Irrit. 2 H319 STOT SE3 H335	10.0 – 30.0

The full text for all phrases if not displayed in section 2 or 3 are displayed in Section 16

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FIRST AID MEASURES

**4.1 Description of first aid measures**

**4.1.1 Inhalation**

Remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

**4.1.2 Skin & Eye exposure**

Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eyes: Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention IMMEDIATELY.

**4.1.3 Ingestion**

Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical attention IMMEDIATELY.

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

**Potential acute health effects**

Causes serious eye irritation.

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

Information not available

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## 5. FIRE-FIGHTING MEASURES

### **5.1 Extinguishing media**

Extinguish with the following media: Foam, carbon dioxide or dry powder.

### **Unsuitable extinguishing media**

Water.

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

Possible irritant fumes arising from combustion

### **5.3 Advice for fire-fighters**

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus

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## 6. ACCIDENTAL RELEASE MEASURES

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

Prevent contact with skin and eyes. Wear protective goggles with side shields, protective gloves and clothing. Ensure adequate ventilation.

### **6.2 Environmental Precautions**

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) contact local water authority and inform the Environment Agency

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

Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

### **6.4 Reference to other sections**

See section 8 for personal protection

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## 7. HANDLING AND STORAGE

### **7.1 Precaution for safe handling**

Avoid contact with skin and eyes. Wash Hands thoroughly after handling  
Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry atmosphere in original labelled containers. Do not store in metal or alloy packaging. Store in frost free conditions, ideally above 7°C.

### **7.3 Specific end use(s)**

No specific information available

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## 8.EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1 Control Parameters**

No occupational exposure limits set for components.

### **8.2 Exposure controls**

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

**Engineering Measures:** Ensure adequate ventilation. Ensure eye wash stations are available.

**Respiratory Equipment:** No specific respiratory equipment needed.

**Hand Protection:** Gloves to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

polyvinylchloride (PVC) - 0.7 mm coating thickness

butyl rubber (butyl) - 0.7 mm coating thickness

fluoroelastomer (Viton)

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

**Eye Protection:** Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

**Skin Protection:** Body protection must be chosen based on level of activity and exposure., acid- resp. lye-proof apron, e.g. of rubber (f.e. according to EN 14605), protection boots, f.e. of rubber (e.g. according to EN 20346), acid-proof chemical protection suit (f.e. according to EN 14605)

**Hygiene Measures:** Wash hands thoroughly after handling. Do not eat, drink or smoke whilst using this product. Personal protective equipment should be decontaminated prior to reuse.

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## 9.PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance;** Liquid

**Odour;** Information not available

**Odour threshold;** Information not available

**pH;** ~3.9 (concentrated solution)

**Melting point/freezing;** Information not available

**Initial boiling point and boiling range;** Information not available

**Flash point;** Information not available

**Evaporation rate;** Information not available

**Flammability (solid, gas);** Information not available

**Upper /lower flammability or explosive limits;** Information not available

**Vapour Pressure;** Information not available

**Vapour density;** Information not available

**Relative density;** Information not available

**Solubility (ies);** Information not available

**Partition coefficient: n-octanol/water;** Information not available

**Auto ignition temperature:** Information not available

**Decomposition temperature:** Information not available

## **9.2 Other Information**

No other relevant information available

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## 10. STABILITY AND REACTIVITY

### **10.1 Reactivity**

Stable at normal ambient temperatures.

### **10.2 Chemical Stability**

Stable under normal conditions

### **10.3 Possibility of hazardous reactions**

Will not polymerise.

### **10.4 Conditions to avoid**

Avoid heat, flames and other sources of ignition.

### **10.5 Incompatible materials**

Strong oxidising agents. Strong acids. Strong alkalis.

### **10.6 Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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## 11. TOXICOLOGICAL INFORMATION

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

Mixture has not been assessed for toxicological effects. Hazards outlined in section 2 are based on individual component contents

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## 12. ECOLOGICAL INFORMATION

### **12.1 Toxicity**

Mixture not classified as harmful to the environment accordance with Regulation (EC) No 1272/2008.

### **12.2 Persistence and degradability**

The product is expected to be biodegradable.

### **12.3 Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **12.4 Mobility in soil**

The product is soluble in water.

### **12.5 Results of PBT and vPvB**

Not classified

### **12.6 Other adverse effects**

Information not available

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## 13. DISPOSAL CONSIDERATIONS

### **13.1 Waste Treatment Methods**

Use only licensed waste disposal companies. Do not re-use empty containers for any purpose. Do not remove labels from containers.

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## 14. Transport Information

**14.1 UN number:** Product not classified for transport

**14.2 UN proper shipping name:** Product not classified for transport

**14.3 Transport hazard:** Product not classified for transport

**14.4 Packing group:** Product not classified for transport

**14.5 Environmental hazards:** Product not classified for transport

**14.6 Special precautions for user:** Product not classified for transport

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**  
Applicable for Maritime bulk transport only. Check with carrier.

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## 15. REGULATORY INFORMATION

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

This mixture is classified and labelled in accordance with:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures;

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);

## 15.2 Chemical Safety Assessment

CSA not undertaken for this substance

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## 16. OTHER INFORMATION

### Full text of hazard statements not displayed in section 2 or 3:

H335 May cause respiratory irritation.

### List of abbreviations

Eye Irrit. 2	Eye Irritation Category 2
PBT	Persistent, bioaccumulative and toxic
STOT SE3	Specific Target Organ Toxicity, Single Exposure
vPvB	Very Persistent very Bioaccumulative

This Safety Data Sheet is compiled using data submitted for raw materials and practical experience.

This Safety Data Sheet is prepared in compliance with Regulation (EC) 1272/2008 and Annex II of the REACH regulation 453/2010.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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