

## SB pHyloMag 2.0.0 + 12% Mg + 2% Fulvic – Safety Data Sheet

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

#### 1.1 Product identifier

**Trade name:** SB pHyloMag 2.0.0 + 12% Mg + 2% Fulvic (473.3)

**1.2 Relevant identified uses of the substance or mixture and uses advised against Product Use:** Fertiliser

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

Soil Biology Ltd  
Unit 30 Branbridges Industrial Estate  
East Peckham  
TN12 5HF  
United Kingdom  
Tel: 01892 883759  
info@soilbiology.uk

**1.4 Emergency telephone number:** 01892 883759 (08:30-17:30)

Call 111

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification according to 1272/2008 CLP

Eye Irrit. 2 - H319

#### Label elements 1272/2008

**CLP:** Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H319 Causes serious eye irritation

#### Precautionary statements:

Prevention:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

P305+351+338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTRE or doctor/physician.

P337+P313 IF eye irritation exists, seek medical attention

**Storage:** The fertilizer must be stored in tanks of fiberglass, other synthetics, treated steel or other material that will not corrode. The tanks must be collected and brought back into the system or neutralized with lime.

**Disposal:** P501 Dispose of contents/container to an approved waste disposal plant.

**2.2 Other hazards:** This mixture does not meet the criteria for PBT or vPvB according to Regulation.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1/2 Substance/Mixture**

CAS/EC-nr.	REACH-nr	Name	Content %	Classification CLP
57-13-6	01-2119463277-33-XXXX	Urea	4-10%	This product has no classification under CLP.
7786-30-3		Magnesium Chloride	50-70%	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.
CAS No. 479-66-3		Fulvic acid	5%	This product has no classification under CLP.
77-92-9	01-2119457026-42	Citric Acid	Less than 1%	Eye Irrit. 2 - H319

**3.3 Additional information:**

See full text of H-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

**SECTION 4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General information:**

**Inhalation:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Skin contact:** Flush contaminated skin with water and soap. Medical attention if any discomfort continues.

**Eye contact:** Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical attention immediately.

**Ingestion:** Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

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

**Eyes:** May cause irritation, redness, tears.

**Skin:** May cause irritation, redness.

**Inhalation:**

**Ingestion:** May cause discomfort.

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

**SECTION 5. FIRE FIGHTING MEASURES**

**5.1 Extinguishing media:** Use appropriate media for adjacent fire.

**5.2 Special hazards arising from the substance or mixture:** Fire may produce toxic fumes, avoid inhalation.

**5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapours/mists.

**6.2 Environmental precautions:** Prevent entry to sewers and public waters.

**6.3 Methods and material for containment and cleaning up:** Absorb spilt product with sand or other inert material and flush remnant away with water.

**Reference to other sections:**

For guidance on selection of personal protective equipment see Chapter 8 of this safety data sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet.

**SECTION 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with eyes and skin. Do not eat, drink or smoke when handling the product. Wash hands after finishing working with the product.

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

Keep container tightly closed in a cool, well-ventilated place. Keep away from heat sources. Keep only in original packaging. Protect from frost. Keep away from food and feedstuffs.

Minimum storage temperature 0°C

Suitable materials for storage are polyester, polyethylene and polypropylene

Avoid contact with metals because of possible corrosion

Protect from humidity and water

Protect from heat and direct sunlight

**7.3 Specific end use(s):** See section 1.2

**SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational exposure limits EH40/2007:**

CAS-no:	Name:	Limits 8 h:	Limits 15 min.:	Ref:
-	-	-	-	-

**DNEL / PNEC -**

## 8.2 Exposure controls

**Appropriate technical measures:** Ensure adequate ventilation of the working area.

**General information:** We recommend to wear eye protection and gloves at all times.



### Personal protective equipment:

**Hand protection:** Wear protective (butyl) rubber gloves. Use a high fat protective cream after cleaning skin.

**Eye protection:** Safety glasses with side shields. Ensure eye bath is to hand.

**Skin protection:** Wear protective clothing.

**Hygienic measures:** When using do not eat, drink or smoke.

**Environmental measures:** Prevent the material from entering rivers, water courses and sewers.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Colour:	Odour:	pH 20C	Viscosity:
Liquid	Brownish	-	Around pH 2	-
Flash Point:	Boiling Point:	Vapour Pressure:	Density g/cm <sup>3</sup> :	Melting Point:
-	-	-	1.25-1.35	-
Ignition Temperature:	Auto-ignition Temperature:	Explosive limits vol% :	Solubility in water 20C:	
-	-	-	-	

9.2 Other information: -

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** None under normal conditions of use.

**10.2 Chemical stability:** Stable under normal conditions.

**10.3 Possibility of hazardous reactions:** None under normal conditions

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** Avoid oxidizing agents. In contact with metals corrosion can occur.

**10.6 Hazardous decomposition products:** Fire may produce toxic fumes, avoid inhalation.

SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

Magnesium chloride was not classified according to Council Directive 67/548/EEC or Council Regulation 1272/2008/EC

**Acute toxicity:** -

**Skin Corrosion/irritation** May causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye damage.

**Respiratory or skin sensitisation:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** Not classified.

**Specific target organ toxicity – repeated exposure:** Not classified.

**Aspiration hazard:** Harmful if swallowed. **Additional information:** -

SECTION 12. ECOLOGICAL INFORMATION

**12 Toxicity:** - Magnesium chloride is an inorganic naturally occurring product that will not accumulate quickly in the environment under normal conditions of use. Significantly higher chloride concentrations in the soil and groundwater can harm plants and other vegetation.

**12.1 Persistence and degradability:** No data available.

**12.2 Bio accumulative potential:** No data available.

**12.3 Mobility in soil:** Magnesium chloride easily dissolves in water. Dependent on the pH and the ions available in natural surface water it can be involved in precipitation reactions (for example as magnesium sulphate).

**12.4 Result of PBT and vPvB assessment:** This mixture does not meet the criteria for PBT or vPvB according to regulation.

**12.5 Other adverse effects:**

SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:** Dispose of substance in suitable containers in accordance with local, regional, national or international regulation. Do not dispose of in waterways or together with household waste.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

	ADR/RID	IMDG/IMO
<b>14.1 UN number</b>		
<b>14.2 UN proper shipping name</b>		
<b>14.3 Transport hazard class(es)</b>		
<b>14.4 Packing group</b>		
<b>14.5 Environmental hazards – MP</b>		

Other information		
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**14.6 Special precautions for user:** -

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

SECTION 15. REGULATORY INFORMATION
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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Not classified as dangerous according to Council Directive 67/548/EEC  
 Not classified as dangerous according to Council Directive 1272/2008/EC  
 Substance exempted form Regulation 1907/2006 (REACH): Annex V, paragraph 10.  
 Other relevant legislation: 1999/45/EC, 2001/58/EC, 2006/58/EC (30 ATP), 2006/8/EC  
 Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009.  
 Control of Substances Hazardous to Health Regulations 2002 (as amended).  
 Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997.  
 Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended).  
 Personal Protective Equipment Regulations 2002.  
 Personal Protective Equipment at Work Regulations 1992.  
 Hazardous Waste (England and Wales) Regulations 2005(as amended).  
 EC regulation 1907/2006 (REACH) Directive 2000/532/EC

**Other regulatory information authorisations and/or restrictions on use**

**Additional information:** -

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION
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**Full text of H-phrases as mentioned in section 3:**

H319 Causes serious eye irritation.

**Additional information:**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

\* The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

V.1 01 March 2022