

**1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** SYMBIO CHITOGRO

**Product form:** Mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Main use category:** Professional use

**Identified uses:** Turf care, horticulture

**1.3. Details of the supplier of the safety data sheet**

**Company name:**

Origin Amenity Solutions Ltd

1-3 Freeman Court,

Jarman Way,

Orchard Road,

Royston,

Hertfordshire,

SG8 5HW

**Tel:** 0800 138 7222

**Email:** sales.symbio@originamenity.com

**1.4. Emergency telephone number**

Emergency phone No. 0800 138 7222 (09.00 – 17.00 GMT Monday – Friday)

National emergency telephone number 111

**2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Skin Sens. 1: H317

**Most important adverse effects:** May cause an allergic skin reaction.

**2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

**Hazard statements:** H317: May cause an allergic skin reaction.

**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark



**Precautionary statements:** P261: Avoid breathing mist/spray.

P280: Wear protective gloves/eye protection.

P302+352: IF ON SKIN: Wash with plenty of water

P333+313: If skin irritation or rash occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

**2.3. Other hazards**

**PBT/vPvB:** This product is not identified as a PBT/vPvB substance.

**3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

**POTASSIUM PROPIONATE**

EINECS	CAS	PBT / WEL	CLP Classification	Percent
206-323-5	327-62-8	NA	Acute Tox. 4: H302; Skin Sens. 1: H317	1-5%

**UREA**

200-315-5	57-13-6	NA	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-5%
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Refer to section 16 for full text of H-statements

**4: First aid measures**

**4.1. Description of first aid measures**

- Skin contact:** Remove all contaminated clothes and footwear immediately. Wash skin immediately with plenty of water. If skin irritation or rash occurs get medical attention.
- Eye contact:** Bathe the eye with running water for 15 minutes
- Ingestion:** Wash out mouth with water. Seek medical attention or contact a poison centre if you feel unwell
- Inhalation:** Remove person to fresh air and keep comfortable for breathing.

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

- Skin contact:** May cause an allergic skin reaction. There may be irritation and redness at the site of contact.

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

Treat symptomatically.

**5: Fire-fighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used  
Water spray, Dry powder, Foam, Carbon dioxide

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

In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

Do not attempt to take action without suitable protective clothing. Wear self-contained breathing apparatus, and complete protective clothing to prevent contact with skin and eyes.

**6: Accidental release measures**

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

**Emergency procedures:** Avoid contact with skin and eyes. Avoid breathing fumes, ventilate spillage area

**Personal precautions:** Do not attempt to take action without suitable protective clothing.

**6.2. Environmental precautions**

Avoid release to the environment. Do not discharge into drains or rivers. Contain the spillage using bunding.

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

Take up liquid spill into absorbent material. Dispose of materials or solid residue at an authorised site.

**6.4. Reference to other sections**

Refer to section 8 for personal protective clothing and section 13 for waste disposal

**7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid contact with skin and eyes. Avoid breathing vapours, ensure good ventilation.

**Hygiene measures:** Do not eat, drink or smoke when using the product. Always wash hands after handling the product. Wash contaminated clothing before use. Contaminated clothing should not be allowed out of the workplace.

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

Store in a cool, well ventilated area. Keep container tightly closed.

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

No additional information available

**8: Exposure controls/personal protection**

**8.1. Control parameters**

No additional information available

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Hand Protection:** Protective gloves.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

**Eye protection:** Safety glasses

**Skin protection:** Suitable protective clothing.

**9: Physical and chemical properties**

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

<b>State:</b>	Liquid
<b>Colour:</b>	Dark brown
<b>Odour:</b>	Vinegar
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	6
<b>Relative evaporation rate (butylacetate = 1):</b>	No data available
<b>Melting point:</b>	Not Applicable
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability:</b>	Not Applicable
<b>Vapour pressure:</b>	No data available

<b>Relative vapour density at 20°:</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility in water:</b>	No data available
<b>Partition coefficient: n-octanol/water (log Pow):</b>	No data available
<b>Viscosity kinematic:</b>	No data available
<b>Viscosity dynamic:</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive limits:</b>	No data available

**9.2. Other information**

No additional information available.

**10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

None under recommended storage and handling conditions

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

None under normal conditions of storage and use

**11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 6
Serious eye damage/irritation	: Not classified pH: 6
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

**12: Ecological information**

**12.1. Toxicity**

**General Ecology:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment

**Hazardous to the aquatic environment, short term (acute)** Not Classified

**Hazardous to the aquatic environment, long term (chronic)** Not Classified

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance

**12.6. Other adverse effects**

No additional information available

**13: Disposal considerations**

**13.1. Waste treatment methods**

Dispose of contents /container in accordance with licensed collectors sorting instructions and national regulations.

**14: Transport information**

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

**14.6 Special precautions for user**

Not regulated for transport

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**15: Regulatory information**

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

**Specific regulations:**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out

**16: Other information**

**Other information**

This safety data sheet has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.

The above information is based on present knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification of quality of the product. The user must satisfy himself that the product is entirely suitable for the purpose.

**Revisions:** This version supersedes all previous versions

Section 3 Composition – Updated ingredients

Minor editorial changes throughout

**Disclaimer**

The information in this SDS was obtained from sources which we believe to be reliable. Origin Amenity Solutions provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by properly trained and qualified personnel. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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**Legend to abbreviations used:**

<b>Abbreviations and acronyms:</b>	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC-No.	European Community number
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WEL	Work-place Exposure Limit

<b>Full text of H-statements:</b>	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.