

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

1.1. Product identifier

Product name: SYMBIO ROOT REPAIR

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

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

Relative vapour density at 20°:	No data available
Relative density:	No data available
Solubility in water:	No data available
Partition coefficient: n-octanol/water (log Pow):	No data available
Viscosity kinematic:	No data available
Viscosity dynamic:	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits:	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
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
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.

Origin Amenity Solutions makes no warranties or guarantees either express or implied with respect to the information contained herein. The conditions or methods of handling, storage, use or disposal of the product are beyond our control, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product

SAFETY DATA SHEET

ROOT REPAIR

SDS COMPLETED 14th OCTOBER 2020

VERSION 02

Legend to abbreviations used:

Abbreviations and acronyms:	
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

Full text of H-statements:	
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.