



SAFETY DATA SHEET
SYMBIO PHYTOGRO

SDS COMPLETED 8TH JUNE 2015

VERSION 01
REVISION NUMBER: N/A

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

1.1. Product identifier

Product name: Symbio PhytoGro

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

Use of substance / mixture: Golf Course Wetting Agent/Fertiliser and plant growth stimulant

1.3. Details of the supplier of the safety data sheet

Company name: Eco Solutions (C&R) Ltd T/a Symbio

Unit 8

Coopers Place

Combe Lane

Wormley

Surrey

GU8 5SZ

Tel: +44 (0) 1428 685762

Fax: +44 (0)1428 685702

Email: info@symbio.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 1428 685762

2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R36

Classification under CLP: Eye Dam. 1: H318; Resp. Sens. 1: H334

Most important adverse effects: Irritating to eyes.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion
GHS08: Health hazard



Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P285: In case of inadequate ventilation wear respiratory protection.
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R36: Irritating to eyes.

2.3. Other hazards

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

3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

TRIPOTASSIUM CITRATE

EINECS	CAS	CHIP Classification	CHIP Classification	Percent
-	866-84-2		Eye Irrit. 2: H319	30-50%

CAPRYLYL/CARPYL GLUCOSIDE

500-220-1	68515-73-1	Xi: R41	Eye Dam. 1 H318 Eye Irrit. 2: H319	1-10%
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MONOPROPYLENE GLYCOL (MPG)

-	57-55-6	-	Resp. Sens. 1 H334; STOT SE 3:H335	1-10%
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LACTIC ACID

200-018-0	50-21-5	Xi: R38, Xi; R41	Eye Dam. 1 H318 Skin Irrit. 2: H315	1-10%
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Non- classified ingredients:

DEMIN WATER

EINECS	CAS	CHIP Classification	CHIP Classification	Percent
-	7732-18-5			30-50%

CAPRYLIC ACID

204-677-5	124-07-02	C: R34	Skin Corr. 1B: H314	<1%
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CITRIC ACID ANHYDROUS POWDER

201-069-1	77-92-9	-	-	<1%
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MALIC ACID

-	6915-15-7	Xn: R22; Xi: R37/38; Xi: R41	Acute Tox.4 H302; Skin Irrit. 2: H315; Eye Dam. 1 H318; STOT SE 3:H335	<1%
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BIOFLAVONOID POWDER

-	61788-55-4	Xi: R36/R37/38	STOT SE 3:H335 Eye irrit. 2 H319; Skin Irrit. 2: H315	<1%
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4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.
Inhalation: No Symptoms
Delayed / immediate effects: No data available

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

Immediate / special treatment:

5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Carbon dioxide Alcohol resistant foam Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container

6.4. Reference to other sections

7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.



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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from direct sunlight
Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Hand protection: Rubber gloves.
Eye protection: Safety glasses.
Skin protection: PVC apron covering the tops of the boots.

9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Dark Brown
Odour: Sweet-smelling
Relative density: 1.17-1.27
Solubility in water: Miscible
pH: Approx. 7.0-8.0

9.2. Other information

Other information: No data available.

10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Not applicable

10.3. Possibility of hazardous reactions

Hazardous reactions: Not applicable

10.4. Conditions to avoid

Conditions to avoid: Direct Sunlight; Heat.

10.5. Incompatible materials

10.6. Hazardous decomposition products

11: Toxicological information



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11.1. Information on toxicological effects

Relevant effects for mixture

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

11.2 Symptoms / routes of exposure

- Skin contact:** There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.
Inhalation: No Symptoms
Delayed / immediate effects: No data available

12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility: non -volatile

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations: Not applicable
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14: Transport information

Transport class: This product does not require a classification for transport.

15: Regulatory information

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

Specific regulations: Classification (Regulation (EC) No 1272/2008). Not hazardous or mixture according to regulation (EC) No 1272/2008



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15.2. Chemical Safety Assessment

16: Other information

Other information

Other information This safety data sheet is prepared in accordance with commission regulation (EU) No 453/2010

Phrases used in s.2 and s.3: H302 – Harmful if swallowed.
H314 – Causes severe skin burns and eye damage.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 – May cause respiratory irritation.
R22 - Harmful if swallowed.
R34 - Causes burns.
R36 - Irritating to eyes.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.

Disclaimer

The information in this SDS was obtained from sources which we believe to be reliable. Symbio 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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