



**SAFETY DATA SHEET
SYMBIO LIQUID CALCIUM**

SDS COMPLETED 1ST JULY 2015

VERSION 01

REVISION NUMBER: N/A

1. Identification of the preparation and company

1.1 Product identifier

Symbio Liquid Calcium

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

Use as a horticultural/amenity fertiliser

1.3 Details of the supplier of the Safety Data Sheets:

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 phone number

Emergency telephone numbers

+44 (0)1428 685762

2. hazards identification

2.1 Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging

Eye Irrit.. 2, H319 Causes serious eye irritation.

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

This mixture is not classified as dangerous to humans or the environment

2.2 Label Elements

Symbio Calcium

(contains: Calcium chloride EC 233-140-8)



Signal word: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary phrases:

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 not classified as PBT or vPvB



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3. COMPOSITION OF INGREDIENTS

Product code: SYML002 L019A

3.2 Mixtures

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s)	R-phrase(s)	Concentrations [%]
Calcium chloride	10043-52-4/ 233-140-8	Index number: 017-013-00-2	According to 1272/2008: GHS07  According to 67/548/EEC:  Xi - IRRITANT	According to 1272/2008: Eye Irrit.. 2 - H319 According to 67/548/EEC: R36	10.0 – 19.9

4. First Aid Measures

4.1 Any special measures:

Information not available

4.2 Inhalation:

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop.

4.3 Skin & eye exposure:

Rinse immediately with plenty of water. Remove any contaminated clothing and wash before re-use. Seek medical advice if symptoms persist or develop.

Eyes: Immediately rinse with clean water for at least 10 minutes. Seek medical advice if symptoms persist or develop.

4.4 Ingestion:

Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical advice if symptoms persist or develop.

5. Fire Fighting Measures

5.1 Suitable extinguishing media:

Not flammable

5.2 Unsuitable extinguishing media:

As appropriate for surrounding fire

5.3 Special hazards, combustion or by products:

Combustion gases may cause irritation.



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5.4 Protective clothing for fire fighting:

Suitable protective clothing and breathing apparatus.

6. Accidental release measures

6.1 Personal precautions:

Prevent contact with skin or eyes

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

Ensure adequate ventilation

Use personal protective equipment,

- Gloves
- Eye protection
- Suitable respirator if dust is generated during handling

6.2 Environmental precautions:

Do not wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil & vegetation) contact local agency and/or police immediately. Do not burn.

6.3 Clean & disposal methods:

Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

6.4 Reference to other sections

See also section 8

7. Handling and Storage

7.1 Practical precautions & engineering controls for safe handling:

Avoid contact with skin and eyes. Wash Hands thoroughly after handling
Do not eat, drink or smoke when using this product

7.2 Conditions and quantity limits for safe storage:

Store in a cool, dry atmosphere in original, labelled containers.

Do not store in metal or alloy packaging. Store frost free conditions ideally above 7°C.

Refer to manufacturer for maximum safe stacking height. Store away from combustible materials.

7.3 Specific end use(s)

No Information available

8. Exposure controls / personal protection

8.1 Exposure limit values:

None set for ingredients

8.2 Occupational exposure controls:

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

Primary Hazard considered as handling of concentrate.



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Gloves: to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance.
Clothing: Coveralls/apron to BS EN465/466/467

9. Physical and chemical properties

Appearance:	liquid
Odour:	not specified
pH:	4.5 – 5.5
Boiling point/range:	not specified
Flash Point/Flammability:	not classified as flammable
Explosive properties:	not classified as explosive
Oxidising properties:	not specified
Vapour pressure:	not specified
Specific gravity:	1.20 – 1.26
Solubility:	not specified
Partition coefficient:	not specified
Viscosity:	not specified
Vapour density:	not specified
Evaporation rate:	not specified

10. Stability and reactivity

10.1 Reactivity

Unknown

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Information not available

10.4 Conditions to avoid

Extremes of temperature

10.5 Incompatible materials

Metals, combustible materials

10.6 Hazardous decomposition products

Possible Irritant fumes including nitrogen oxides

11. Toxicological information

The Preparation has not been assessed for toxicological effects.

Toxicological information on hazardous ingredients:

Calcium chloride

Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

LD50 Oral - rat - 2,301 mg/kg

(OECD Test Guideline 401)

Primary irritant effect:

· on the skin: No irritant effect. (rabbit)

Serious eye damage/eye irritation



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Eyes - rabbit

Result: Moderate eye irritation
(OECD Test Guideline 405)

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

rat

Unscheduled DNA synthesis

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Not Classified as harmful to the environment.

12.1 Ecotoxicity:

No specific data available

12.2 Mobility:

No specific data available

12.3 Persistence & degradability:

No specific data available

12.4 Bioaccumulative potential:

No specific data available

13. Disposal considerations

13.1 Disposal of used preparation:

Dispose in accordance with local regulations via specialised waste contractor.

13.2 Disposal of packaging:

Use specialist waste contractor in accordance with local regulations. Do not remove labels from containers.

14. Transport information

14.1 UN number:

Product is unclassified for transport



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14.2 UN proper shipping name:

Product is unclassified for transport

14.3 Transport hazard:

Product is unclassified for transport

14.4 Packing group:

Product is unclassified for transport

14.5 Environmental hazards:

Product is unclassified for transport

14.6 Special precautions for user:

Product is unclassified 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.

15. Regulatory information

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

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2 Chemical Safety Assessment

CSA not undertaken for this substance

16. Other information

Hazard Information assigned to individual ingredients, but not carried to final classification:

R36: Irritating to eyes

SDS information:

This safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

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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