



SAFETY DATA SHEET
SYMBIO GRANULAR CHALK

SDS COMPLETED 20TH NOVEMBER 2015

VERSION 01
REVISION NUMBER: N/A

1. Identification of the Substance and the Company

1.1. Product identifier

Granular Chalk, Calcium Carbonate

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

Fertiliser.

1.3 Details of the supplier of the safety data sheet

Company name:

Eco Solutions (C&R) Ltd T/a Symbio
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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 No. :

Emergency telephone +44 (0) 1428 685762

2. Hazards Identification

2.1. Classification of the substance or mixture Classification

The products contain no substances classified as being hazardous to health according to EC directive 1999/45/EC.
This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/Information on Ingredients

3.1 Chemical composition

Granular chalk/Limestone: Calcium Carbonate CaCO₃ > 98%. Product is obtained from natural minerals; purity level may vary according to their origins. The material may contain trace quantities of other minerals, metal salts, halides.

3.1.1 Limestone Composition

Substance	Calcium Carbonate CaCO ₃
Trivial Name	Granular chalk, Limestone
CAS Number	1317-65-3
EINECS Number	215-279-6

3.2 Hazardous components

The products contain no components classified as dangerous according to EC directive 1999/45/EC.



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4. First Aid Measures

4.1. Description of first aid measures

Inhalation Remove from exposure into fresh air. Dust in throat and nasal passages should clear spontaneously. In case of serious exposure seek medical advice.

Eye contact Do not rub eyes. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with clean water. In case of irritation seek medical advice.

Skin contact Wash skin with plenty of soap and water.

Ingestion Wash out mouth with clean water. In case of discomfort, seek medical advice.

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

Not available

4.3 Indication of immediate medical attention and special treatment needed:

Not available.

5. Fire-Fighting Measures

5.1. Extinguishing media

Carbon dioxide, dry powder, foam, or water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Above 825°C Carbon dioxide (CO₂) evolution.

5.3 Advice for Fire-fighters

No need for specialist protective equipment for fire fighters.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment as described under Heading 8 and follow the advice for safe handling and use given under Heading 7. Emergency procedures are not required.

6.2 Environment protection measures

No special precautions required but avoid whenever possible washing Limestone powders down sewage and drainage systems or into water bodies (e.g. streams).

6.3 Methods for cleaning up

Recover the spillage in a dry state if possible. Try to minimise airborne dispersion. Sweep and shovel material into suitable containers for disposal before disposal as described under Heading 13.

7. Handling and Storage

7.1. Precautions for safe handling

Normal precautions for the handling of chemicals should be observed.

7.2 Storage

Store in a dry, well ventilated area. Keep containers tightly closed. Do not store near acids. Bagged product should be stacked in a stable manner.



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8. Exposure controls/ Personal protection

8.1. Control parameters Occupational exposure limits

Workplace exposure Limits (WEL). 8hr Time Weighted Average (TWA) values:

Dust, total inhalable	10mg/m ³
Dust respirable	4mg/m ³

8.2 Exposure controls

8.2.1 Occupational exposure controls

- (a) Respiratory protection: Dust masks should be used when handling powder or granular material. Suitable respiratory protection should be worn to ensure that personal exposure is less than the WEL.
- (b) Hand protection: The use of gloves is recommended for handling aggregates, granules and powders.
- (c) Eye protection: Protection is recommended. Wear approved glasses or safety goggles according to EN 166 to prevent contact with eyes.
- (d) Skin protection: Long-sleeved protective clothing is recommended when working with powders and granules.

9. Physical and Chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Powder/granules/chippings
Colour	Grey white/white
Odour	None
pH (saturated solution)	8.5 – 9.5
Boiling Range/Point	Not applicable
Melting Point	1339°C
Decomposition Temperature	above 825°C
Flash Point (PMCC)	Not applicable
Auto-flammability	Not auto-flammable
Flammability	Non-flammable
Explosive Properties	Stable under normal conditions
Vapour Pressure	Negligible vapour pressure at ambient conditions
Relative Density	2.6 – 2.8 g/cm ³
Solubility in Water	0.014 g/l (20 °C), 0.018 g/l (75 °C)

10. Stability and Reactivity

10.1. Reactivity

No specific recommendations.

10.2 Materials to avoid

Acids. Reacts to form Carbon dioxide (CO₂).

10.3 Hazardous Decomposition Products

Carbon Dioxide (CO₂) – oxygen displacement



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11. Toxicological information

Acute Toxicity LD50/oral/rat = >5000mg/kg.
Not classified as harmful if swallowed
Local Effects Mild irritation of eyes
Chronic Toxicity carcinogenic mutagenic No known effects

12. Ecological information

12.1. Toxicity

Limestone is a natural soil mineral of the earth and in a dissolved state, the substance is a natural and indispensable component of natural waters. Therefore, unfavourable effects to the environment may be excluded. Concentrated suspensions of limestone in natural waters may have an unfavourable effect on water organisms (disturbance of the microflora and fauna in the sediment and the subsequent existence of higher water organisms).

12.2 Mobility

Limestone is not volatile but might become airborne during handling operations.

12.3 Persistence and degradability

Calcium carbonate cannot biodegrade.

12.4 Bioaccumulative potential/Results of PBT assessment/Other adverse effects

No data currently available.

13. Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with all applicable local and national regulations.

13.2 Packaging

Dispose of in accordance with all applicable local and national regulations.

14. Transport information

Classification	Not classified as hazardous for Transport
Road (ADR)	Not restricted
Rail (RID)	Not restricted
Sea (IMDG)	Not restricted
Air (ICAO/IATA)	Not restricted

15. Regulatory information

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

Health and Safety at Work etc Act 1974
HSE Guidance Note EH40 (Workplace Exposure Limits)
COSHH regulations 2002
Environmental protection act 1990
Manual Handling Operations Regulations



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15.2 Chemical Safety Assessment

Not conducted for this product

16. Other information

16.1 Reference listings

TSCA Listing TSCA Inventory listed under CAS No. 1317-65-3 (Limestone)
FDA List Number Calcium carbonate/Limestone is GRAS
DSL/NDSL Listing Limestone is exempt from the PDSL (naturally occurring substance)
AICS Listing ACOIN edition 92 listed under CAS No. 1317-65-3 (Limestone)
MITI Number 1-122-122

16.2 Abbreviations

IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ADR/RID: Agreement on the transport of dangerous goods by road/Regulations on the international transport of dangerous goods by rail
LD50 Lethal Dose where 50% of the test animals dies.

Disclaimer

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