



SAFETY DATA SHEET

SYMBIO 10-0-0+4Mg+Microbes

SDS COMPLETED 9TH DECEMBER 2019
UPDATED: 21ST JANUARY 2020

VERSION 01
REVISION NUMBER: 1

1. Identification of the Substance and the Company

1.1. Product identifier

Product name Symbio Mycogro 10-0-0+4Mg+Mycorrhizae, soil bacteria and fungi
Product number

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

Identified uses Fertiliser

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

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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

Classification according to Directive EC 1272/2008 Classification, Labelling and Packaging.
This mixture is not classified as dangerous to humans or the environment.

2.2. Label elements

There are no statutory labelling requirements under regulation 1272/2008 and regulation 453/2012.

2.3. Classification of the substance or mixture Classification

Mixture not classed as PBT or vPvB. The bacteria and fungi in this mixture are considered to belong to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as "a biological agent unlikely to cause human disease". It should NOT be assumed; however, that this organism will be innocuous in all situations or that infections can never occur. The mixture should therefore not be used by, or in the presence of immunocompromised persons.

3. Composition/Information on Ingredients

3.2. Mixtures

There are no components at concentrations classified as hazardous according to Directive EC 1272/2008 Classification, Labelling and Packaging.



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4. First Aid Measures

4.1. Description of first aid measures

Eye contact – Immediately rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.

Skin contact – Wash exposed areas of skin with soap and water following use. Wash all contaminated clothing before re-use.

Ingestion – wash out mouth with water and seek medical advice.

Inhalation – remove to fresh air.

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

Eye Contact: Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation.

Skin Contact: Repeated and/or prolonged contact may cause irritation.

Ingestion: Based on components, product is considered to present little hazard by oral exposure.

Inhalation: Unlikely to cause harmful effects under normal handling and use.

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

None

Additional medical guidance is available to doctors from the National Poisons Information Service.

5. Fire-Fighting Measures

Non flammable

5.1. Extinguishing media

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable. As such extinguishing media appropriate for surrounding materials should be chosen.

5.2. Special hazards arising from the substance or mixture

Possible irritant fumes arising from product decomposition.

5.3. Advice for firefighters

Contain spread of extinguishing fluids. Wear self-contained breathing apparatus in confined spaces.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective gloves and eye protection. Wash hands and exposed skin after handling.

6.2. Environmental precautions

Do not allow to enter drains or sewers.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel product or use other means and place in container for reuse (preferred) or disposal.

7. Handling and Storage

7.1. Precautions for safe handling

Ensure good ventilation at workplace. Ensure good hygiene practices are observed. Do not eat, drink or smoke when handling this product. Do not breathe dust. Avoid contact with skin and eyes. Ensure workplace exposure limits are observed. Do not block stack pallets.



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7.2. Conditions for safe storage, including any incompatibilities

Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs and in a separate stack from herbicides.

7.3. Specific end use(s)

Fertiliser

8. Exposure controls/ Personal protection

8.1. Control parameters Occupational exposure limits

Occupational Exposure Limits

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust). Nuisance dust: Inhalable dust 10 mg/m³, Respirable dust 4 mg/m³

Sand (Silica Dust respirable), Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	0.1	mg/m ³
Dolomite, Long-term Exposure Limit (LTEL)		
Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m ³ inhalable dust
Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m ³ respirable dust

Calmag Magnesium Oxide, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m ³ inhalable dust
Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m ³ respirable dust

Ammonium Sulphate, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA)	10	mg/m ³
Urea, Long-term Exposure Limit (LTEL)		
Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m ³ inhalable dust
Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m ³ respirable dust

8.2. Exposure controls

Protective equipment



Gloves: wear protective gloves.

Eye/face protection: wear eye protection.

Engineering controls: all handling should only take place in well-ventilated areas.

Clothing: wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures: wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Respiratory protection: no specific recommendations

9. Physical and Chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Beige to dark brown granules
Odour	Mild
pH	Slightly Acidic
Boiling point	n/a
Melting point	n/a
Flash point	n/a
Flammability	n/a
Autoflammability	n/a



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Explosivity	n/a
Oxidising properties	n/a
Vapour Pressure	n/a
Relative density	n/a
Solubility	n/a
Decomposition temperature	n/a

9.2. Other information

None

10. Stability and Reactivity

10.1. Reactivity

Stable under normal conditions of storage and use

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

None known.

10.6. Hazardous decomposition products

Decomposes at high temperatures producing toxic nitrogen and sulphur oxide fumes.

11. Toxicological information

11.1. Information on toxicological effects Acute toxicity - oral

Not classified as harmful by inhalation, ingestion or in contact with skin. Ingestion of large quantities may cause gastric disturbance.

Ecotoxicity

The product is not expected to be toxic to aquatic organisms

12. Ecological information

12.1. Toxicity

Not classified as hazardous. Provides nutrients essential to plant growth.

12.2. Persistence and degradability

The product is slowly degradable.

12.3. Bioaccumulative potential

Partition coefficient not known.

12.4. Mobility in soil

No data



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12.5. Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

No data

13. Disposal considerations

Disposal route should not permit contamination of groundwater.

13.1. Waste treatment methods

Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not a marine pollutant

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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, including amendments.

15.2. Chemical safety assessment

Not undertaken for this material



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16. Other information

Reason for revision

MSDS re-formatted in-line with regulation 453/2010 all sections affected.

Disclaimer

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