

SAFETY DATA SHEET

SYMBIO 10-0-0+10%MgO+Microbes

SDS COMPLETED 9TH DECEMBER 2019

VERSION 01

UPDATE: 21ST FEBRUARY 2020

REVISION NUMBER: N/A

1. Identification of the Substance and the Company

1.1. Product identifier

Product name Symbio Mycogro 10-0-0+10%MgO+Mycorrhizae, soil bacteria and fungi
 Product number
 REACH registration notes This Mixture is exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH) All raw materials used in the mixture are REACH registered where necessary.

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:
 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 No. :

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

Physical hazards Not Classified
 Health hazards Not Classified
 Environmental hazards Not Classified

2.2. Label elements

Health hazards Not Classified

2.3. Classification of the substance or mixture Classification

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/Information on Ingredients

3.2. Mixtures

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. First Aid Measures

4.1. Description of first aid measures

Inhalation Get medical attention if symptoms are severe or persist.
 Ingestion Get medical attention if symptoms are severe or persist.
 Skin contact Get medical attention if symptoms are severe or persist after washing.
 Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to

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do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

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

Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	No specific symptoms known. The product is considered to be a low hazard under normal conditions of use.

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

Notes for the doctor	Treat symptomatically.
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5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
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5.3. Advice for firefighters

Protective actions during firefighting:	Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.
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6.2. Environmental precautions

Environmental precautions	The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Take care as floors and other surfaces may become slippery. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Collect and dispose of spillage as indicated in Section 13.
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6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Usage precautions Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.
 Advice on general occupational hygiene Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a dry place. Keep container in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10).

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure controls/ Personal protection

8.1. Control parameters Occupational exposure limits

Ammonium Sulphate

Long-term exposure limit (8-hour TWA): LTEL 10Mg/m³

Gypsum

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Dolomite

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Calmag Magnesium Oxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust as Mg

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ fume and respirable dust as Mg

WEL = Workplace Exposure Limit

Urea (CAS: 57-13-6)

- DNEL Consumer - Oral; Long term systemic effects: 42 mg/kg/day
- Consumer - Oral; Short term systemic effects: 42 mg/kg/day
- Consumer - Dermal; Long term systemic effects: 580 mg/kg/day
- Consumer - Dermal; Short term systemic effects: 580 mg/kg/day
- Industry/Professional - Dermal; Long term systemic effects: 580 mg/kg/day
- Industry/Professional - Dermal; Short term systemic effects: 580 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 125 mg/m³
- Consumer - Inhalation; Short term systemic effects: 125 mg/m³
- Industry/Professional - Inhalation; Short term local effects: 292 mg/m³
- Industry/Professional - Inhalation; Short term systemic effects: 292 mg/m³

- PNEC - Fresh water; 0.47 mg/l
- Marine water; 0.047 mg/l

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls All handling should only take place in well-ventilated areas.

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves.

Other skin and body protection

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	Granules.
Colour	Beige to Dark brown or Black.
Odour	Mild.
Odour threshold	Not determined.
pH	Slightly Acidic
Melting point	Not relevant.
Initial boiling point and range	Not relevant.
Flash point	Not relevant.
Evaporation rate	Not relevant.
Flammability (solid, gas)	The product is not flammable.
Vapour pressure	Not relevant.
Vapour density	Not relevant.
Relative density	Not relevant.
Solubility(ies)	Not known.
Partition coefficient	Not known.
Auto-ignition temperature	Not relevant.
Decomposition Temperature	Not relevant.
Viscosity	Not relevant.
Explosive properties	Not relevant.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information No information required.

10. Stability and Reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability Stable when stored in a dry place.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

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10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

None known.

11. Toxicological information

11.1. Information on toxicological effects Acute toxicity - oral

Notes (oral LD50) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD50) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC50) No specific test data are available.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory sensitisation

No specific test data are available.

Skin sensitisation

Not determined.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

No specific test data are available.

Reproductive toxicity

Reproductive toxicity – fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

General information No specific health hazards known.

12. Ecological information

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is slowly degradable.

12.3. Bioaccumulative potential

Partition coefficient Not known.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

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

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12.6. Other adverse effects

Not relevant.

13. Disposal considerations

13.1. Waste treatment methods

General information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Only store in correctly labelled containers. Dispose of contents/container in accordance with national regulations. No specific disposal method required. Do not empty into drains.

14. Transport information

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

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant	No.
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14.6. Special precautions for user

Not applicable.

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

EU legislation
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information



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