

SDS COMPLETED 9TH DECEMBER 2019

UPDATED: 21ST FEBRUARY 2020

VERSION 01

REVISION NUMBER: N/A

1. Identification of the Substance and the Company

1.1. Product identifier

Product name Symbio Mycogro 11-0-11+6.6%MgO with Mycorrhizae and soil microbes
Product number

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

Identified uses Fertiliser containing beneficial mycorrhizae, fungi and bacteria

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

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. Other hazards

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

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 these organisms 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.

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

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Skin contact	persist or develop. 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.

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

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

Ammonium Sulphate, Long-term Exposure Limit (LTEL)
Long-term Exposure Limit (8 hour TWA)

10 mg/m³

Sand (Silica Dust respirable), Long-term Exposure Limit (LTEL)
Long-term Exposure Limit (8 hour TWA) WEL

0.1 mg/m³

Calmag Magnesium Oxide, Long-term Exposure Limit (LTEL)
Long-term Exposure Limit (8 hour TWA) WEL
Long-term Exposure Limit (8 hour TWA) WEL

10 mg/m³ inhalable dust
4 mg/m³ respirable dust

Urea, Long-term Exposure Limit (LTEL)
Long-term Exposure Limit (8 hour TWA) WEL
Long-term Exposure Limit (8 hour TWA) WEL

10 mg/m³ inhalable dust
4 mg/m³ respirable dust

Potassium Sulphate (SOP) (CAS 7778-80-5), Desired No Effect Level (DNEL)

Worker

Systemic long-term effects dermal:
Systemic long-term effects inhalative:

21.3 mg/kg/day
37.6 mg/m³

General Population

Systemic long-term effects oral:
Systemic long-term effects dermal:
Systemic long-term effects inhalative:

12.8 mg/kg/day
12.8 mg/kg/day
11.1 mg/m³

Potassium Sulphate (SOP) (CAS 7778-80-5), Predicted No Effect Concentration (PNEC)

Fresh water
Marine water
Intermittent release
STP

0.68 mg/L
0.068 mg/L
6.8 mg/L
10 mg/L

8.2. Exposure controls

Protective equipment



Gloves: wear protective gloves.

Eye/face protection: wear eye protection.

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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
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

Acute toxicity - oral

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

Acute toxicity - dermal

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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
 Irritation of eyes is assumed. In-vitro testing conducted on products with SSP Content <62%, 2015, Result: Reduced classification to Eye Irritant from Eye Damage.
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.
Eye contact
 The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

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

Not known.

12.4. Mobility in soil

No data.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Not relevant.

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

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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

16. Other information

Reason for revision

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

Disclaimer

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