

SDS COMPLETED 2ND SEPTEMBER 2015
UPDATED: 21ST JANUARY 2020

VERSION 01
REVISION NUMBER: 1

1. Identification of the Substance and the Company

1.1. Product identifier

Product name Symbio Organic 5-3-8 with mycorrhizal fungi and soil microbes

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

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

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.

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 develop or persist.

Skin contact – Wash exposed areas of skin with soap and water following use.

Ingestion – Wash out mouth with water and seek medical advice if symptoms develop or persist.

Inhalation – Remove to fresh air. Seek medical attention if symptoms develop or persist.

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

No further relevant information available.

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

Symptomatic treatment.

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

Danger of explosion when rising in clouds: prevent formation of clouds of dust.
Burning may produce: nitrogen oxides and carbon monoxide.

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

Prevent formation of clouds of dust. 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.

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

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust) The OEL (Occupational Exposure Limit) for respirable crystalline silica dust is 0.1mg/m³ in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³
NPK 5-3-8 Organic Mini-Gran + Microbes Page 3 of 5
Desired No Effect Level (DNEL)
Worker

SDS COMPLETED 2ND SEPTEMBER 2015
UPDATED: 21ST JANUARY 2020

VERSION 01
REVISION NUMBER: 1

Acute systemic effects dermal:	580	mg/kg/day
Acute systemic effects inhalative:	292	mg/m ³
Systemic long-term effects dermal:	580	mg/kg/day
Systemic long-term effects inhalative:	292	mg/m ³

8.2. 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.
Gloves: to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance.
Clothing: Coveralls/apron to BS EN465/466/4679.

9. Physical and Chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Brownish granules
Odour	Organic
pH	n/a
Boiling point	n/a
Melting point	n/a
Flash point	n/a
Flammability	Heating may cause fire
Autoflammability	n/a
Explosivity	Danger or explosion when rising in clouds
Oxidising properties	n/a
Vapour Pressure	n/a
Relative density	n/a
Solubility	Suspension only
Decomposition temperature	200 - 250°C

9.2. Other information

No

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

Avoid contact with moisture, water, heat and combustible substances.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Ammonia.

11. Toxicological information

SDS COMPLETED 2ND SEPTEMBER 2015
UPDATED: 21ST JANUARY 2020

VERSION 01
REVISION NUMBER: 1

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

12. Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

No data

12.4. Mobility in soil

No data

12.5. Results of PBT and vPvB assessment

Not classified

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

ADR, IMDG, IATA Not applicable

14.1. UN number

ADR, IMDG, IATA Not applicable

14.2. UN proper shipping name

ADR, IMDG, IATA Not applicable

14.3. Transport hazard class(es)

ADR, IMDG, IATA Not applicable

14.4. Packing group

ADR, IMDG, IATA 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.

Origin Amenity Solutions makes no warranties or guarantees either express or implied with respect to the information contained herein. The conditions or methods of handling, storage, use or disposal of the product are beyond our control, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product