



**SAFETY DATA SHEET**  
**SYMBIO ORGANIC 5.3.8**

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
UPDATED: 21<sup>ST</sup> 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:**

Eco Solutions (C&R) Ltd T/a Symbio  
Unit 8  
Coopers Place  
Combe Lane  
Wormley  
Surrey  
GU8 5SZ

**Tel:** +44 (0) 1428 685762

**Fax:** +44 (0)1428 685702

**Email:** [info@symbio.co.uk](mailto: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. 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.



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**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/m<sup>3</sup> in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>  
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Desired No Effect Level (DNEL)



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Worker

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

**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**



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**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.



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**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. Symbio 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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