



**SAFETY DATA SHEET**  
**SYMBIO LIQUID ENDO MYCORRHIZAE**

SDS COMPLETED 8<sup>TH</sup> JUNE 2015

VERSION 01  
REVISION NUMBER: N/A

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Name:**

Symbio Liquid Endo Mycorrhizae

**1.2 Relevant identified uses and uses advised against:**

A preparation to boost the growth of plants. Not for oral consumption or direct contact with food or beverages

**1.3 Details of Supplier of 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

**1.4. Emergency telephone number**

**Emergency telephone numbers** +44 (0)1428 685762

**2. Hazards Identification**

**2.1 Classification of the mixture:**

According to Regulation (EC) No 1272/2008: not classed as hazardous

**2.2 Label elements:**

None

Signal Word: none

Hazard Statement(s):

None

Precautionary statement(s) (prevention):

P235 – Keep cool.

P410 – Protect from sunlight.

P261 – Avoid breathing spray.

Precautionary statement(s) (response):

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water.

Precautionary statement(s) (disposal):

P501: Dispose of contents/container in accordance with local regulations



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**2.3 Other hazards**

The mixture does not fulfil the criteria for PBT or vPvB substance

The 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**

A liquid solution of Endo Mycorrhizal fungal spores/propagules on an expended clay carrier

**4. First Aid Measures**

**4.1 Description of first aid measures:**

Following aspiration/inhalation:

Move affected to person to fresh air, keep person quiet and warm, in case of respiratory failure administer artificial respiration and seek medical attention.

Following skin contact:

Wash affected areas with plenty of water.

Following eye contact:

Remove contact lenses, if present and easy to do. Rinse eyes with water for at least 15 minutes while holding eyelids apart.

After ingestion:

Rinse mouth with water, drink plenty of water. Do not induce vomiting.

**4.2 Most important symptoms and effects,**

Both acute and delayed: Sensitive individuals may experience breathing difficulties

**4.3 Indication of any immediate medical attention and special treatment needed:**

Follow advice in 4.1

**5. Fire Fighting Measures**

**5.1 Extinguishing media:**

Suitable extinguishing media: any extinguishing media may be used but should be appropriate to the cause of the fire and surrounding area. Unsuitable extinguishing media: not applicable

**5.2 Special hazards arising from the mixture:**

None

**5.3 Advice for fire fighters:**

Firefighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**



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**6.1.1 non emergency personnel**

Avoid contact with eyes and skin and dust formation, do not ingest liquid. Wear suitable protective clothing (overalls) and gloves.

**6.1.2 emergency personnel**

see 6.1.1

**6.2 Environmental Precautions:**

No special precautions

**6.3 Methods and material for containment and cleaning up:**

**6.3.1 containment:**

no special precautions

**6.3.2 clean-up:**

Rinse the contaminated area with plenty of water

**6.3.3 other information relating to spills and releases:**

not applicable

**6.4 Reference to other sections:**

Personal protective means are given in section 8. Disposal advice is given in section 13.

**7. Handling and Storage**

**7.1 Precautions for safe handling:**

Read the label before use. Avoid ingestion, do not inhale spray. Wash hands after working with product. Do not smoke, eat or drink when handling product. Employees should wear protective work clothing, shoes and gloves.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in original containers in a cool dry place. Prolonged storage should be in a fridge or deep freeze. Protect from light, raised temperatures and humidity.

**7.3 Specific End Use:**

The mixture is designed to be diluted with water prior to use. See label for specific instructions

**8. Exposure Controls**

**8.1 Control Parameters:**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls:**

**8.2.1 Appropriate Engineering Controls:**

Work in a well ventilated area. Avoid eating drinking and smoking. Wash hands after use.



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**8.2.2 Individual Protection Measures, such as personal protective equipment:**

- a) Eye/face protection. Safety glasses
- b) Skin protection
  - Hand protection – rubber gloves if repeated exposure expected
  - Other – protective clothing (overalls), and shoes
- c) Respiratory protection – dust mask
- d) Thermal hazards – not applicable

**8.2.3 Environmental exposure controls**

Not applicable

**9. Physical and Chemical Properties**

**9.1 on basic physical and chemical properties**

- a) Appearance: Brown Liquid
- b) Odour: none
- c) Odour threshold: not known
- d) pH: 5-5.7
- e) melting point/freezing point: not applicable
- f) boiling point: 100°C
- g) flash point: not applicable
- h) evaporation rate: As for water
- i) flammability: not applicable
- j) explosive limits: not applicable
- k) vapour pressure: same as water
- l) vapour density: same as water
- m) specific gravity: 1.02 – 1.05 g/cm<sup>3</sup>
- n) solubility in water: soluble
- o) partition coefficient: not applicable
- p) auto ignition temperature: not applicable
- q) decomposition temperature: not applicable
- r) viscosity: not applicable
- s) explosive properties: not applicable
- t) oxidising properties: not applicable

**9.2 Other Information:**

Explosive properties: not classified as explosive  
Storage temperature: 0-30°C

**10. Stability and Reactivity**

**10.1 Reactivity:**

Beware of following conditions: avoid mixing with chemicals Beware of following materials: none

**10.2 Chemical stability:**

Stable



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**10.3 Possibility of hazardous reactions:**

None

**10.4 Conditions to avoid:**

Do not expose the mixture to sunlight and raised temperature

**10.5 Incompatible Materials:**

Avoid contact with strong acids, alkalis and oxidising agents.

**10.6 Hazardous decomposition products May release oxides of carbon during fire.**

**11. Toxicological Information**

**11.1 Information on toxicological effects Mixture:**

- a) Acute toxicity – non toxic
- b) Irritation – not an irritant
- c) Corrosivity – non corrosive
- d) Sensitisation – may cause sensitisation in certain susceptible individuals.
- e) Repeated dose toxicity – non toxic
- f) Carcinogenicity – non carcinogenic
- g) Mutagenicity – non mutagenic
- h) Toxicity for reproduction – non toxic

Information on likely routes of exposure:

Inhalation: may cause mechanical irritation to lungs

Skin: not absorbed through skin

Eyes: spray may cause eye irritation (mechanical)

Ingestion: unlikely to be harmful if swallowed

Symptoms related to related to the physical, chemical and toxicological characteristics:

If inhaled, may cause shortness of breath.

Delayed and immediate effects and chronic effects from short and long term exposure.

If inhaled, may cause shortness of breath

Interactive Effects:

None

Absence of data:

If information is not listed in section 11 it is due to non availability of data or not appropriate.

Other Information

Not applicable

**12. Ecological Information**

**12.1 Toxicity:**

Not determined

**12.2 Persistence and degradability**

Biodegradable.

**12.3 Bioaccumulative potential**

Not expected to accumulate





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**15. Regulatory Information**

**15.1 Safety, health and environmental regulations/legislation specific for the mixture**

The preparation is exempt from REACH requirements as the preparation contains biological material and is not a substance.

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, amending repealing Directives 67/548/EEC and 199/45/EC and amending Regulation (EC) No 1907/2006 with amendments.

**15.2 Chemical Safety Assessment**

No data available

**16. Other Information**

This safety data sheet has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.

**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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