



**SAFETY DATA SHEET  
SYMBIO CHELATED IRON**

SDS COMPLETED 1<sup>ST</sup> JULY 2015

VERSION 01  
REVISION NUMBER: N/A

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

**1.1 Product Identifier:**

Symbio Chelated Iron

**1.2 Relevant uses of the substance or mixture and uses advised against:**

Use as a horticultural/amenity 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

**1.4 Emergency phone number**

**Phone number:** +44 (0) 1428 685762

**2. Hazards Identification**

**2.1 Classification of the substance or mixture**

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging

**Not classified.**

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

**Not classified.**

**Primary Hazards**

None.

**2.2 Label Elements**

There are no statutory label elements.

**2.3 Other Hazards**

Mixture not classed as PBT or vPvB

**3. Composition/information on ingredients**

**3.2 Mixtures**

There are no components classified as harmful according to Directive EC 1272/2008 Classification, Labelling and Packaging or CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

**4. First Aid Measures**



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**4.1 Description of first aid measures**

**4.1.1 Inhalation**

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

**4.1.2 Skin & Eye exposure**

Skin: Drench immediately with water. Remove any contaminated clothing and launder before re-use. Obtain medical attention if symptoms arise or persist.

Eyes: Immediately rinse with clean water for 15 minutes. Obtain medical attention if symptoms arise or persist.

**4.1.3 Ingestion**

Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention if symptoms arise or persist.

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

Information not available.

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

Information not available.

**5. Fire-Fighting measures**

**5.1 Extinguishing media**

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should also be chosen as appropriate for surrounding materials.

**5.2 Special Hazards arising from the substance or mixture**

Possible irritant fumes arising from combustion

**5.3 Advice for fire-fighters**

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus

**6. Accidental release measures**

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

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Ensure adequate ventilation

Use personal protective equipment,

- Gloves
- Eye protection
- Suitable respirator if dust is generated during handling



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### 6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

### 6.3 Methods and material for containment and cleaning up

Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

### 6.4 Reference to other sections

See also section 8

## 7. Handling and storage

### 7.1 Precaution for safe handling

Avoid contact with skin and eyes. Wash Hands thoroughly after handling  
Do not eat, drink or smoke when using this product

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, metals, combustible materials and strong oxidising agents.

### 7.3 Specific end use(s)

No Information available

## 8. Exposure controls/personal protection

### 8.1 Control Parameters

None set.

### 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 EN465/466/467

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance;	Dark red solution
Odour;	No Information available
Odour threshold;	No Information available
pH;	8.5 ± 0.5 (1.0% w/v solution)
Melting point/freezing;	No Information available
Initial boiling point and boiling range;	No Information available
Flash point;	Mixture is not classified as flammable.
Evaporation rate;	No Information available
Flammability (solid, gas);	Mixture is not classed as flammable
Upper /lower flammability or explosive limits;	Mixture is not classed as explosive
Vapour Pressure;	No Information available



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<b>Vapour density;</b>	No Information available
<b>Relative density;</b>	1.30 ± 0.01 g/cm <sup>3</sup>
<b>Solubility (ies);</b>	No Information available
<b>Partition coefficient: n-octanol/water;</b>	<3
<b>Auto ignition temperature:</b>	No Information available
<b>Decomposition temperature:</b>	No Information available

**9.2 Other Information**

No other relevant information available

**10. Stability and reactivity**

**10.1 Reactivity**

Unknown

**10.2 Chemical Stability**

Stable under normal conditions of use and storage

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Extremes of temperature

**10.5 Incompatible materials**

None

**10.6 Hazardous decomposition products**

Possible Irritant fumes

**11. Toxicological Information**

**11.1 Information on toxicological effects**

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

**12. Ecological Information**

**12.1 Toxicity**

Mixture not classified as toxic to aquatic life.

**12.2 Persistence and degradability**

Information not available

**12.3 Bioaccumulative potential**

Information not available

**12.4 Mobility in soil**

Information not available



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**12.5 Results of PBT and vPvB**

Not classified

**12.6 Other adverse effects**

Information not available

**13. Disposal considerations**

**13.1 Waste Treatment Methods**

Use only licensed waste disposal companies for unwanted chemical. Do not re-use empty containers for any purpose.

**14. Transport Information**

**14.1 UN number:**

Product is unclassified for transport

**14.2 UN proper shipping name:**

Product is unclassified for transport

**14.3 Transport hazard**

Product is unclassified for transport

**14.4 Packing group:**

Product is unclassified for transport

**14.5 Environmental hazards:**

Product is unclassified for transport

**14.6 Special precautions for user:**

No information available

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Applicable for Maritime bulk transport only. Check with carrier.

**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. Regulation (EC)

**15.2 Chemical Safety Assessment**

CSA not undertaken for this substance



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**16. Other Information**

**SDS information:**

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, regulation 1272/2008 and Annex I of the REACH regulation 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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