



SAFETY DATA SHEET

SYMBIO COMPOST TEA CLEANER

SDS COMPLETED 8TH JUNE 2015

VERSION 01
REVISION NUMBER: N/A

1. Company Identification and Product Information

1.1. Substance identifier

Symbio Compost Tea Cleaner

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

Application Hydrogen Peroxide Synergised with Silver. Disinfestation and Disinfection. Cleaning. Industrial

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 telephone number

Emergency telephone number +44 (0) 1428 685762

2. Hazard Identification

2.1 Classification of the substance

Classification under CHIP: Xn: R20/22; C: R34; Xi: R37

Classification under CLP: Ox. Liq. 2: H272; Skin Corr. 1B H314

Most Important Adverse Human Effects: Harmful by inhalation and if swallowed. Causes burns. Irritating to respiratory system.

Label Elements

Label elements under CLP:

Hazard Statements:

H272: May intensify fire; Oxidiser

H314: Causes severe skin burns and eye damage.

Signal Words:

Danger

Hazard pictograms:

GHS03: Flame over circle

GHS05: Corrosion



2.2 Label elements

Precautionary Statements:

Label Elements under CHIP:

P210: Keep away from heat/sparks/open flames/hot surfaces. No Smoking.

P220: Keep away from combustible materials.

P280: Wear protective gloves/ protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+361+338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to remove. Continue rinsing.

P363: Wash contaminated clothing before reuse.

Hazard symbols:

Corrosive



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Risk Phrases:
R20/22: Harmful by inhalation and if swallowed.
R34: Causes burns.
R37: Irritating to respiratory system.

2.3 Other hazards (which do not results in the classification)

Safety Phrases:

Other Hazards:
S26: In case of contact with eyes, rinse immediately with plenty of water and seek Medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/ face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible).

PBT: This substance is not identified as a PBT substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients and those declared according to Regulation (EC) No. 648/2004

Chemical/trade name	Quantity %	EINECS	CAS No.	CHIP Classification	CLP Classification
Hydrogen Peroxide Solution	40-50%	231-765-0	7722-84-1	--:R5; O: R8; Xn: R20/22; C: R35	Skin Corr. 1A: H314 Ox.Liq. 1: H271; Acute Tox. 4:H332; Acute Tox. 4:H302;

4. FIRST AID MEASURES

4.1 Description of the first aid measures

Eye Contact: Immediately flush eyes with plenty of running water and seek medical attention if irritation develops.

Skin Contact: Immediately wash affected area thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

Inhalation: Remove the exposed person to fresh air in case of accidental inhalation of vapours. Seek medical attention if symptoms occur or any discomfort persists.

Ingestion: Do not induce vomiting. Drink fluids to dilute and rinse mouth thoroughly. Seek prompt Medical attention. Seek medical attention if irritation or any other symptoms persist.

4.2 Most important symptoms and effects (acute and delayed)

Eye Contact: There may be severe pain. Corneal burns may occur. May cause permanent damage.

Skin Contact: Severe burns may occur.

Ingestion: Severe burns to digestive tract.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises, situated next to each Point of Use.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media Water, foam, dry chemical or carbon dioxide extinguishers may be used.

5.2 Special hazards arising from the substance

Exposure Hazards Not combustible but is a strong oxidiser. May react violently with oxidisable substances



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5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin & eyes,
Extinguishing Media not to be used: None

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Refer to section 8 of MSDS for personal protection details.
Mark out contaminated area with signs and prevent access to unauthorised personnel.
Provide adequate ventilation.
Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not allow large amounts of concentrated product to enter the drains. Prevent further spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Methods for Cleaning Up: Small spillages can be washed to the drain. For larger spillages, absorb with inert material and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid contact with skin and eyes.

7.2. Condition for safe storage including any incompatibilities.

Storage conditions Store in a cool, well ventilated area. Keep away from heat, sources of ignition and direct sunlight. Ensure eye-wash stations and drench showers are provided in the storage and working areas.

Suitable Packaging Must only be kept in original packaging.

Precautions The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations. Adopt best Manual Handling practice when handling, carrying and dispensing.

Technical Measures The use of gloves and goggles is recommended as a minimum control measure to reduce exposure to the preparation.

7.3. Specific end use(s)

None.

8. Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients Hydrogen Peroxide Solution

Workplace exposure limits

State	8 Hour TWA	15 min. STEL	8 Hour TWA	15 min. STEL
UK	1.4 mg/m ³	2.8mg/m ³	-	-

8.2. Exposure controls

Professional exposure control If workplace exposure limit exceeds 1.4ml/Cubic mtr use approved respiratory protection.

Personal Protective Equipment: The provision of personal protective equipment and the need to provide engineering control measures should be decided upon by the user as part of a formal Exposure Risk Assessment. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.



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Respiratory Protection: No special ventilation is usually necessary. However if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits the use of an half mask to a minimum standard of EN405 FFA1P1 is recommended.

Hand Protection: Avoid skin contact - protective gloves to a Standard EN374 should be provided.

Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.

Eye Protection: Care should be used to prevent eye exposure and eye protection should be used when handling the preparation. Wear basket shaped glasses or eye protectors with protective screen. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.

Skin Protection: Wear flame retarding protective clothing. Wear rubber boots. Avoid skin contact. In case of prolonged/frequent direct handling of the material it is recommended to wear protective clothing as classified by Standard NF EN 13034 (type 6).

Engineering Measures: None

Specific Control Parameters: None

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Description:	Liquid
Colour:	Colourless
Odour:	Odourless
pH:	approx.. 1.2
Solubility - Water solubility:	Miscible in all proportions
Relative Density:	1.14

10. Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability Stable under normal conditions

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions:

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid:

10.5. Incompatible materials

Incompatible materials:	Direct sunlight. Heat. Sources of ignition.
Materials to avoid:	Bases. Metals. Reducing agents
Hazardous decomposition products:	
Haz. Decomp products:	Oxygen

11. Toxicological information

11.1. Information on toxicological effects

Toxicological Information

Effect	Route	Basis
Acute Toxicity (harmful)	INH ING	Hazardous: calculated
Irritation	INH	Hazardous: calculated



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Corrosivity	OPT INH DRM	Hazardous: calculated
Symptoms / Routes of exposure:		
Skin contact	Severe burns may occur	
Eye contact	There may be severe pain. Corneal burns may occur. May cause permanent damage.	
Ingestion	Severe burns to digestive tract	
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.	
Delayed / immediate effects	Immediate effects can be expected after short-term exposure.	

12. Ecological information

12.1. Toxicity

Ecotoxicity: The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

Low bio-accumulation potential

12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6. Other adverse effects

The low pH will have an adverse effect on the aquatic environment. There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations Transfer to a suitable container and arrange for collection by specialised disposal company
Disposal of packaging Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

14.1 UN Number

UN3098

14.2 Shipping name

OXIDIZING LIQUID, CORROSIVE, N.O.S (contains Hydrogen Peroxide)

14.3 Transport class

5.1 (8)

14.4 Packing group

II



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14.5 Environmentally hazardous

No

14.6 Marine pollutant

No

14.7 Special precautions

No special precautions.

14.8 Tunnel code

E

14.9 Transport category

2

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations / legislation specific for the substance or mixture
Specific regulations This product needs to be included in any Safety Report provided under III.C of Annex II of Council Directive 98/82/EC

16. Other information

Other information

Local Regulations: Any relevant local regulations should be observed.

Explanation of phrases that appear in Section 2 & 3:

- H271 May cause fire or explosion: strong oxidiser.
- H272 May intensify fire: oxidiser.
- H302 Harmful if swallowed
- H314 Causes severe skin burns and eye damage
- H332 Harmful if inhaled
- R5 Heating may cause an explosion
- R8 Contact with combustible material may cause fire
- R20/22 Harmful by inhalation and if swallowed
- R23/24/25 Toxic by Inhalation, in contact with skin and if swallowed.
- R34 Causes Burns
- R35 Causes severe burns
- R37 Irritating to the respiratory system
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R43 May cause sensitization by skin contact
- R50 Very toxic to aquatic organisms
- R53 May cause long-term adverse effects in the aquatic environment

Concentration Limits: This preparation has been diluted for the specific application and according to the manufacturer's instruction. The end product will require no hazard labelling, risk phrases nor safety phrases.

REACH: The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH Regulation 1907/2006/EC

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



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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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