

SAFETY DATA SHEET
SYMBIO COMPOST TEA STARTER PACK

SDS COMPLETED 15TH MARCH 2021

VERSION 02

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance/mixture and of the company/undertaking

Compost and starter ingredients for Compost Teas

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

Identified uses: Soil conditioner. Plant growth stimulant.

Uses advised against: None known

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 contact:

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 under CLP: This product has no classification under CLP.

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Pictogram None

Signal Word: None

Hazard Statement(s): None

2.3. Other hazards

Not a PBT or vPvB substance or mixture.

During compost manufacture, micro-organisms (fungal/mould and certain types of bacteria) are encouraged to grow to break down waste material, resulting in large numbers of these micro-organisms being present.

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

SAFETY DATA SHEET

SYMBIO COMPOST TEA STARTER PACK

SDS COMPLETED 15TH MARCH 2021

VERSION 02

these organisms 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

The compost tea pack contains packs of fungal-rich compost, together with packs of activating nutrients and plant extracts.

The compost contains a variety of living micro-organisms, including bacteria, fungi and protozoa.

The plant extracts are plant-based catalysts which promote the brewing process.

The activating nutrients contain molasses, mixed with humic acids and potassium salts.

| Name of component | CAS number | CLP classification | Content |
|------------------------------|------------|--------------------|---------|
| Humic acids, Potassium salts | 68514-28-3 | None | 60-70% |

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Rinse mouth with water

Skin contact: Wash thoroughly with mild soap and water

Eye contact: Flush the contaminated eye(s) thoroughly with water until the product is removed or until irritation has ceased.

4.2 Most important symptoms and effects, both acute and delayed

Nuisance dust

4.3 Indication of any immediate medical attention and special treatment needed

No further information

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use direct water jet if dust can be dispersed into the air. Dust dispersed by a water stream in the presence of an ignition source could explode.

5.2 Special hazards arising from the substance or mixture

Avoid dust formation

5.3 Advice for firefighters

Firefighters should be equipped with self-contained breathing apparatus appropriate to environmental conditions. Wear protective clothing to prevent contact with skin and eyes

Special firefighting procedures:

This material contains a high percentage of organic matter and will slowly burn. If ignited, the interior portion of the material may continue to burn when the surface fire appears to be extinguished

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, do not breathe dust
 Ensure adequate ventilation.
 Avoid contact with eyes and skin
 Wash hands thoroughly after handling.

6.2. Environmental precautions

Avoid water and soil contamination.

6.3. Methods and material for containment and cleaning up

Scoop up spillages and place in a container. Avoid creating dusts, preferably vacuum clean and collect in suitable labelled containers for waste. Wear appropriate protective equipment and clothing as a precaution.

6.4. Reference to other sections

Personal protective measures 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 dust formation, do not breathe dust. Wash hands after working with product. Do not smoke, eat or drink when handling product.

7.2. Conditions for safe storage, including any incompatibilities

Store in original packaging, in dry environment and protect it against climatic effects.

7.3. Specific end use(s)

Soil conditioner

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit.

8.2. Exposure controls for Bulk handling

| | |
|--------------------------------|--|
| General information | No special equipment is needed for occasional handling. |
| Engineering: | Provide sufficient ventilation, local exhaustion is recommended. |
| Respiratory protection: | Under dusty conditions wear respiratory protective equipment with a filter that complies with the requirements of EU or national legislation |
| Hands protection: | Protective rubber gloves |
| Eye protection: | Wear safety goggles if there is risk of dust contact with eyes |
| Skin protection: | Wear protective clothing |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Compost | |
| Appearance | Brown to greyish blend of natural organic and mineral substances |
| Physical state | Moist granules |
| Form | Solid |
| Colour | Brown/Black |
| Odour | Earthy/ Weak caramel |
| Odour threshold | NA |
| pH | 6.5 - 7 |
| Melting point/freezing point | NA |
| Initial boiling point and boiling | NA |
| Range | Not known |
| Flash point | Not known |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Non flammable |
| Vapour pressure | Not known |
| Vapour density | Not available |
| Relative density | Not known |
| Solubility(ies) | Not readily soluble |
| Partition coefficient | NA |
| Decomposition temperature | Not available |
| Viscosity | NA |
| Explosive properties | Not available |
| Oxidizing properties | Not available |

9.2. Other information

No relevant additional information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended use, transport and storage conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous Reactions

None known – store in a dry, well ventilated area

10.4. Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition. Carbon dioxide, potassium oxide can release in fire.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

| | |
|---|-----------------|
| Skin corrosion/irritation | Not classified |
| Eye damage/irritation | Not classified |
| Respiratory sensitisation | Not classified. |
| Skin sensitisation | Not classified |
| Germ cell mutagenicity | Not applicable |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not applicable |
| Specific target organ toxicity - single exposure | Not applicable |
| Specific target organ toxicity - repeated exposure | Not applicable |
| Aspiration hazard | Not applicable |
| Mixture versus substance Information | Not available. |
| Other information | Not available. |

11.2 Symptoms / routes of exposure

Respiratory sensitisation/ skin sensitisation: May cause slight irritation

Eye damage/eye irritation: May cause slight irritation

Skin corrosion/irritation: May cause slight irritation

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No adverse environmental effects are known

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT / vPvB substance

SAFETY DATA SHEET
SYMBIO COMPOST TEA STARTER PACK

SDS COMPLETED 15TH MARCH 2021

VERSION 02

12.6. Other adverse effects

Unknown

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Residual waste

Spread over land as a soil conditioner

Contaminated packaging

Dispose of bag in accordance with local and national guidelines

14. TRANSPORT INFORMATION

Not classified for transport

15. REGULATORY INFORMATION

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

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

Revision comments: This is a new version. This version supersedes previous versions

Disclaimer

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