

**SAFETY DATA SHEET**  
**MEDIA ACTIVATOR AND COMPOST STARTER**

SDS COMPLETED 8<sup>TH</sup> JUNE 2015  
REVIEWED 01 FEB 2022

VERSION 01  
REVISION NUMBER: 02

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

**1.1 Product Name:**

Symbio Media Activator and Compost Starter

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

A preparation to improve microbial activity in soil and growing media.  
Not for oral consumption or direct contact with food or beverages  
Avoid extreme heat and ignition sources

**1.3 Details of Supplier of 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

**1.1.1 Emergency phone number**

**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 mixture:**

Chemical characterisation: Mixture

Description: Mixture of substances

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

**2.2 Label elements:**

None required

Not a hazardous mixture according to Regulation (EC) No. 1272/2008

**2.3 Other hazards**

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

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.

Handling and/or processing this material may generate dust which can cause mechanical irritation of the eyes, skin, nose and throat.

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**3. Composition/Information on ingredients**

A mixture containing beneficial fungi and bacteria grown on wheat flour that is not genetically modified.

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.

Name	Product Identifier	Concentration (w/w%)
Wheat flour	CAS no: 130498-22-5	70%

**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, 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,**

Not expected to present a significant hazard under anticipated conditions of normal use

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

Follow advice in 4.1  
If you feel unwell, seek medical advice

**5. Fire Fighting Measures**

Product may form combustible dust concentrations in the air

**5.1 Extinguishing media:**

Suitable extinguishing media: Foam CO<sub>2</sub>, dry chemical, or water fog  
Unsuitable extinguishing media: Do not use direct hose stream if dust can be dispersed into air. Dust dispersed by water stream in the presence of an ignition source could explode.

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

Can form explosive dust mixtures  
Fire Hazard: Not flammable  
Explosion hazard: Product is not explosive  
Reactivity: Hazardous reactions will not occur under normal conditions

**5.3 Advice for fire fighters:**

Firefighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing. Use water fog for cooling exposed containers

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**6. Accidental Release Measures**

Avoid dust formation, do not breathe dust  
Keep ignition sources away – no smoking  
Wear suitable protective clothing (overalls), gloves and safety glasses.  
Avoid contact with eyes and skin  
Evacuate unnecessary personnel

**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:**

Avoid creating dust, preferably vacuum clean and collect in suitable labelled containers for waste.  
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. Ensure adequate ventilation. Avoid dust formation, do not breathe dust. 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 and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and high humidity. Keep/Store away from incompatible materials

**7.3 Specific End Use:**

The mixture is designed to be added to fertilisers or biostimulants prior to end use. See label for specific instructions

**8. Exposure Controls**

**8.1 Control Parameters:**

Ingredients with limit values that require monitoring

Name	Product Identifier	Limit value (UK) <sup>1</sup>
Wheat flour	CAS no: 130498-22-5	10mg/m <sup>3</sup> 8 hours TWA 30mg/m <sup>3</sup> 15-minute

<sup>1</sup>For equivalent limits in other countries, please consult the local regulatory authority

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**8.2 Exposure controls:**

Ensure adequate ventilation. Do not breathe dust. For operations where exposure limit may be exceeded, use process enclosures, local exhaust ventilation or other engineering controls to keep airborne dust levels low. Other suitable controls may include respiratory protective equipment. Emergency eye wash stations and safety showers should be available in the immediate vicinity. Take note of workplace exposure limits.

**8.2.1 Appropriate Engineering Controls:**

Work in a well-ventilated area. For operations where exposure limit may be exceeded, use process enclosures, local exhaust ventilation or other engineering controls to keep airborne dust levels low. Other suitable controls may include respiratory protective equipment. Avoid eating, drinking and smoking. Wash hands after use.

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

General protective and hygiene measures:

Do not breathe dust

No smoking

Avoid contact with eyes and skin

Do not eat or drink while working

Take note of work place exposure limits

- a) Eye/face protection. Safety glasses
- b) Skin protection
  - Hand protection – rubber gloves
  - 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 Basic physical and chemical properties**

- a) Appearance: Light brown powder
- b) Odour: wheat flour
- c) Odour threshold: not applicable
- d) pH: not applicable
- e) melting point/freezing point: not applicable
- f) boiling point: not applicable
- g) flash point: not applicable
- h) evaporation rate: not applicable
- i) flammability: not applicable
- j) explosive limits: not applicable
- k) vapour pressure: not applicable
- l) vapour density: not applicable
- m) relative density: not determined
- n) solubility in water: partly soluble

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- 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:**

No additional information

**10. Stability and Reactivity**

**10.1 Reactivity:**

Stable under recommended handling and storage conditions

**10.2 Chemical stability:**

Stable under recommended handling and storage conditions

**10.3 Possibility of hazardous reactions:**

None known

**10.4 Conditions to avoid:**

Do not expose the mixture to direct sunlight, extremely high or low temperatures, humid conditions; ignition sources or incompatible materials.

**10.5 Incompatible Materials:**

Avoid contact with strong acids, alkalis and oxidising agents. Avoid contact with moisture as product may become microbially active and deteriorate.

**10.6 Hazardous decomposition products**

Thermal decomposition generates: organic compounds; nitrogen oxides; hydrogen chloride.

**11. Toxicological Information**

**11.1 Information on toxicological effects Mixture:**

- a) Acute toxicity – not classified
- b) Irritation – Classification criteria not met
- c) Corrosivity – not classified
- d) Sensitisation – Classification criteria not met
- e) Repeated dose toxicity – not classified
- f) Carcinogenicity – not classified
- g) Mutagenicity – not classified
- h) Toxicity for reproduction – not classified

Information on likely routes of exposure:

Information on likely routes of exposure:

Inhalation: No known hazard

Skin: No known hazard

Eyes: No known hazard

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Ingestion: May be harmful if ingested in large quantities

**Additional toxicological information:**

This product contains wheat flour.

Inhalation of excessive dust may cause mechanical irritation of mucous membranes and respiratory tract.

Prolonged exposure may cause symptoms of respiratory sensitisation in susceptible persons.

Be aware if allergic to gluten.

The mycorrhizal 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.

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

**12. Ecological Information**

**12.1 Toxicity:**

Not determined

**12.2 Persistence and degradability**

The wheat germ substrate is biodegradable. The bacteria and fungi are naturally present in the environment.

**12.3 Bioaccumulative potential**

Not expected to accumulate

**12.4 Mobility in soil**

Not determined

**12.5 Result of PBT and vPvB assessment**

Wheat flour, fungi and bacteria are not classified as PBT or vPvB substances

**12.6 Other adverse effects:**

Not determined

**13. Disposal Considerations**

**13.1 Waste treatment methods Product:**

Use licensed waste disposal company Contaminated packaging:

Dispose of as unused product.

**14. Transport Information**

Not classified for transport

**15. Regulatory Information**



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

REACH – Exempted in accordance with Annex V.7  
Workplace Exposure Limits 2005 (EH40)

**15.2 Chemical Safety Assessment**

No data available

**16. Other Information**

**Revisions:** This version supersedes all previous versions  
New company logo

<b>Abbreviations and acronyms:</b>	
CAS-No.	Chemical Abstract Service number
WEL	Work Place Exposure Limit
TWA	Time Weighted Average
PBT	Persistent Bioaccumulative and Toxic
vPvB	Very Persistent and Very Bioaccumulative

**Disclaimer**

The information in this SDS was obtained from sources which we believe to be reliable. Origin Amenity Solutions 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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