

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

1.1. Product identifier

Product name Humic Booster Powder

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

Identified uses Agriculture/Amenity Turf

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 phone number

Emergency phone No. 0800 138 7222 (09.00 – 17.00 GMT Monday – Friday)

National emergency telephone number 111

2.1 Hazards identification

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

Other hazards: Not a PBT or vPvB substance or mixture.

Mixture may form dust in the air. Fine dust clouds may form explosive mixtures in the presence of ignition sources.

3. Composition/information on ingredients

3.2. Mixtures

Name of component	CAS number	CLP classification	Content
Humic acids, Potassium salts	68514-28-3	None	≥90%

4. First aid measures

Inhalation	Remove to fresh air and keep at rest. Get medical attention if any discomfort continues.
Skin contact	Rinse skin with running water. Remove contaminated clothing.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if symptoms persist.
Ingestion	Rinse mouth with water

Most important symptoms and effects:

Nuisance dust

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 fire fighters:

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

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. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

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 containers in a cool dry well-ventilated place. Avoid accumulation of dust

7.3. Specific end use(s)

8. Exposure Controls/personal protection

8.1. Control Parameters:

Ingredients with limits that require monitoring

Name	Limit value – 8 hours TWA (UK) ¹
Nuisance dust	10 mg/m ³ (inhalable dust)
	4 mg/m ³ (respirable dust)

¹For equivalent limits in other countries, please consult the local regulatory authority

8.2. Exposure controls

- 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

State (under 20°C):	Powder
Colour	Brown
Odour:	Mild
pH:	8-10 (3% water solution)
Boiling point / Distillation range:	Not applicable
Melting/freezing point:	Not applicable
Initial boiling point	Not applicable
Flash point	Not applicable
Evaporation point	Not applicable
Flammability:	Not applicable
Flammability limits	Not applicable
Explosion limits	Not known
Vapour Pressure	Not applicable
Relative density	Not applicable
Partition coefficient-octanol/water	100% water
Auto-ignition temperature:	Not known
Decomposition temperature:	>200°C
Viscosity	Not applicable
Odour threshold	Not applicable
Density	0.37 – 0.56 g/ml (bulk density)

10. Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended use, transport and storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Avoid formation of dust. Avoid generation of sparks.

10.5. Incompatible materials

Materials to avoid: Strong oxidants.

10.6. Hazardous decomposition products

Typical combustion by-products

11. Toxicological information

11.1. Information on toxicological effects

Humic acid, Potassium salt: CAS 68514-28-3

Organism	Test type	Value
RAT	LD50	>5000 mg/kg

11.2 Symptoms / routes of exposure

Respiratory sensitisation/ skin sensitisation: None known

Eye damage/eye irritation: May cause slight irritation

Skin corrosion/irritation: May cause slight irritation

12. Ecological Information Ecotoxicity

12.1. Toxicity

No data

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

Not expected

12.4. Mobility in soil

Soluble

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT / vPvB substance.

12.6. Other adverse effects

None known

13. Disposal considerations

Dispose of in accordance with local authority requirements

14. Transport information

Not classified for transport

15. Regulatory information

16. Other information Key literature references and sources for data

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

Disclaimer

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