SAFETY DATA SHEET

SYMBIO LIQUIID HUMIC BOOSTER

SDS COMPLETED 29TH JANUARY 2021 **VERSION 02**

1. Identification of the Substance and the Company

1.1. Product identifier

Product name	Symbio Humic Booster Liquid
Product number	
REACH registration notes	Exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH)

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

Identified uses	Fertiliser

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 No. :

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

Classification under CLP:	EUH208
Most important adverse effects:	Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6]. May produce an allergic reaction.

2.2. Label elements

Hazard statements	EUH208: Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6]. May produce an allergic reaction.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/Information on Ingredients

3.2. Mixtures

Hazardous ingredients:
A mixture of: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO 220-239-6]

EINECS	CAS	PBT/WEL	CLP Classification	Percent
	55965-84-9		Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%

Non-classified ingredients:

Potassium Formate Solution

EINECS	CAS	PBT/WEL	CLP Classification	Percent
				1-10%

Humic Acid, Potassium Salts

EINECS	CAS	PBT/WEL	CLP Classification	Percent
	68514-28-3			10-20%

Alkyl Polyglycoside

EINECS	CAS	PBT/WEL	CLP Classification	Percent
			Eye Dam. 1: H318	<1%

Bronopol (INN)

EINECS	CAS	PBT/WEL	CLP Classification	Percent
200-143-0	52-51-7		Acute Tox. 4: H312; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400	<1%

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. First Aid Measures

4.1. Description of first aid measures

Skin contact Wash immediately with plenty of soap and water.
Eye contact Rinse immediately with running water for 15 minutes.
Ingestion Wash out mouth with water
Inhalation Remove to fresh air. Get medical attention if symptoms persist.

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

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms.

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

Immediate / special treatment: Not applicable

5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Use water spray to cool containers

5.2. Special hazards arising from the substance or mixture

Specific hazards In combustion emits toxic fumes.

5.3 Advice for Fire-fighters

Wear self-contained breathing apparatus in confined spaces. Wear protective clothing to prevent contact with skin and eyes

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, boots, clothing or apron, as appropriate.
Turn leaking containers right-side up to prevent escape of liquid. Mark out contaminated area with signs and prevent access to unauthorized personnel

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Usage precautions: Read label before use.
Avoid contact with skin, eyes and clothing.
Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s): No data avialable

8. Exposure controls/ Personal protection

8.1. Control parameters Occupational exposure limits

Hazardous Ingredients

A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

State	8 Hour TWA	15 min STEL	8 Hour TWA	15 min STEL
UK	0.05mg/m^3	-	-	-

8.2. Exposure controls

Engineering measures: The floor of the storage room must be impermeable to prevent the escape of liquids.
Respiratory protection: Respiratory protection not required.
Hand protection: Protective gloves.
Eye protection: Safety glasses.
Skin protection: Protective clothing.

9. Physical and Chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Dark brown or Black.
Odour	Mild.

Odour threshold	Not determined.
pH	9 – 10
Melting point	Not relevant
Initial boiling point and range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Vapour pressure	Not relevant.
Vapour density	Not relevant.
Relative density	1.05@ 20°C.
Solubility(ies)	soluble in water
Partition coefficient	Not relevant.
Auto-ignition temperature	Not applicable
Decomposition Temperature	Not relevant.
Viscosity	Not applicable
Explosive properties	Not relevant.
Oxidizing properties	Does not meet the criteria for classification as oxidizing.

9.2. Other information

Other information No data available.

10. Stability and Reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of 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: Heat

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available

11. Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients

A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6]

ORL	MUS	LD50	60 mg/kg
ORL	RAT	LD50	53 mg/kg

Non-classified ingredients:

Humic acid, Potassium Salts

DERMAL	RAT	LD50	>2000 mg/kg
ORL	RAT	LD50	>2000 mg/kg

Bronopol

ORL	MUS	LD50	270 mg/kg
ORL	RAT	LD50	180 mg/kg
SKN	MUS	LD50	4750 mg/kg
SKN	RAT	LD50	1600 mg/kg

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms.

12. Ecological information

12.1. Toxicity

Hazardous ingredients:
Humic acid, potassium salts:
Daphnia magna 48H EC50 116 mg/kg
Ecotoxicology values: No data available

12.2. Persistence and degradability

Persistence and degradability Humic acid is slowly degradable, 2% decomposition within 28 days.

12.3. Bioaccumulative potential

No bioaccumulation potential

12.4. Mobility in soil

Readily absorbed into soil

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not relevant.

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. Regulatory information

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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) (as amended).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

Phrases used in s.2 and s.3:

EUH208: Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6]. May produce an allergic reaction.

H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

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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