

Soil Biology Ltd Material Safety Data Sheet NutriZorb

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

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

Trade/Product Name:	SB NutriZorb
Registration No:	Not registered
CAS No:	1306-06-5 1332-58-7 65997-17-3
Version no:	2 (Aug 2022)

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

Identified uses:	Turf and soil ameliorant in agriculture, horticulture and amenities
Uses advised against:	None identified

1.3 Details of the supplier of the safety data sheet:

Supplier:	Soil Biology Ltd
Address:	Unit 30 Branbridges Industrial Estate East Peckham TN12 5HF
Phone:	01892 883759

1.4 Emergency telephone contact:

HSE Incident Contact Centre:	0845 300 9923
General information:	01959 564690 Only during office hours 09:00 – 17:00 Monday to Friday

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification of substance/mixture according to Regulation (EC) 1272/2008	This product has no classification under CLP and is exempt under EU REACH regulation according to Annex V 7 of Regulation (EC) 1907 / 2006.
Physical hazards:	Not classified
Health hazards:	Not classified
Environmental hazards:	Not classified
Specific hazards:	Not classified
Main symptoms:	Not classified

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008

Hazard Pictograms:	Not applicable
Signal word:	None
Hazard statements:	Not applicable
Precautionary statements:	Non-hazardous
Prevention	P280 Personal protective equipment is recommended: suitable gloves, paper mask, goggles. Product to be handled and used with care to minimize generation of dust.
Response	P302+352 Wash with soap and water
Storage	Keep dry
Disposal	No specific requirements
Additional labelling	Not applicable

2.3. Other hazards

Other hazards:	No data available. Refer to Section 12
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/2 Substances and Mixtures

Chemical Name	CAS No	EINECS No	% content
Sideromelane	65997-17-3		confidential
Hydroxyapatite	1306-06-5		confidential
Halloysite	1332-58-7		confidential

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General	Remove victim from source of exposure. Get medical attention if any discomfort continues.
Inhalation	Remove victim to well ventilated area. Get medical attention if any discomfort continues.
Skin contact	Wash skin with soapy water. If irritation occurs, seek medical help
Eye contact	Remove contact lenses, flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure that you wash under the upper and lower eye lids. Seek medical attention if irritation persists
Ingestion	Rinse mouth with water. Do not induce vomiting. If vomiting occurs, keep victims head below hips to prevent aspiration. Get medical attention and show the label

4.2 Most important symptoms and effects, both acute and delayed

Eyes	May cause irritation
Skin	May cause irritation, redness
Inhalation	May cause irritation
Ingestion	May cause discomfort

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

This product is inflammable

Suitable extinguishing media: Not applicable

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Special protective equipment for firefighters: None

Special firefighting procedures: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Avoid contact with skin and eyes. Avoid breathing dust.

For emergency responders: Use PPE and respiratory protection
Evacuate personnel to safe areas
Ensure adequate ventilation
Minimise contact with skin and eyes and avoid breathing dust

6.2. Environmental precautions

None

6.3. Methods and material for containment and cleaning up

None

6.4. Reference to other sections

Refer to sections 2.2, 8 & 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Refer to Section 2.2 for personal protective equipment. Also, refer to Section 8

7.2. Conditions for safe storage, including any incompatibilities

Refer to section 2.2

Preferably, do not store with food, beverages, feed and water supplies

Keep in a dry and well ventilated area, out of reach of unauthorised persons, children and animals

7.3. Specific end use(s)

Refer to section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available for this product

8.2. Exposure controls

Appropriate engineering

Refer to Section 7. Ensure adequate ventilation of work area

Individual protection measures, such as personal protective equipment

Only use CE marked personal protective equipment

General information

Avoid smoking, consumption of foods or liquids in the work area. Recommend regular washing of hands, forearms and face

Eye/face protection

Wear safety glasses with side-shields (e.g. EN 166) & face mask

Skin protection

Work clothes, apron and protective boots recommended

Hand protection

Wear protective gloves when handling

Respiratory protection

Use face mask with appropriate filter

Hygiene measures

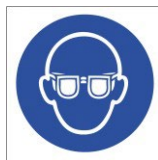
Handle in accordance with good industrial hygiene and safety practice
Have eye wash bottle with distilled water
Remove and wash contaminated clothing before reuse
Wash hands before breaks and immediately after handling

Environmental exposure

Do not flush into drain systems.

Exposure limits

No data available for this product



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Dry granules

Colour

Brown with orange and red tinges

Odour	None
pH	Between pH 5.5 and 7.0
Melting point/freezing point	☒ 1300 degrees Celsius
Initial boiling point & boiling	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Bulk density	1100 – 1300 kg per cubic metre
Solubility	Negligible solubility in water
Stability	The product is considered stable
Exposure limit	Not applicable
Partition coefficient	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None known under normal conditions

10.2. Chemical stability

Considered very stable under normal conditions

10.3. Possibility of hazardous reactions

None known under normal conditions

10.4. Conditions to avoid

Damp, wet and wind

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Eye damage/irritation	Based on available data, the classification criteria are not met
Respiratory sensitisation	Based on available data, the classification criteria are not met
Skin sensitisation	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Mixture versus substance Information	Based on available data, the classification criteria are not met
Other information	Based on available data, the classification criteria are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	Based on available data, the classification criteria are not met
12.2. Persistence and degradability	Based on available data, the classification criteria are not met
12.3. Bioaccumulative potential Bioconcentration factor (BCF)	Based on available data, the classification criteria are not met
12.4. Mobility in soil Mobility in general	Based on available data, the classification criteria are not met
12.5. Results of PBT and vPvB Assessment	Based on available data, the classification criteria are not met
12.6. Other adverse effects	Based on available data, the classification criteria are not met

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Residual waste	Not relevant
Contaminated packaging	Rinse with water the used containers three times and empty the water into the application tank. Disable the used packaging and dispose of content and/or empty containers in accordance with local, regional, national and/or international regulations
EU waste code	No data available

SECTION 14: TRANSPORT INFORMATION

Not classified as a dangerous good. Non-hazardous

	ADR (Road transport)	RID (rail transport)	ADN (Waterways transport)	IATA (Air transport)
14.1. UN number	Not classified as hazardous for transport within transport regulations.			
14.2. UN proper shipping				
14.3. Transport hazard class(es) Subsidiary class(es)				
14.4. Packing group				
14.5. Environmental hazards Tunnel restriction code Labels required				
14.6. Special precautions				

SECTION 15: REGULATORY INFORMATION

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

EU regulations	European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
Authorisations	European Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Other EU regulations	Commission Regulation (EU) No 453/2010 amending regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Other regulations	
National regulations	
Restrictions on use	No known restrictions

15.2. Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V 7

SECTION 16: OTHER INFORMATION

List of abbreviations	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.2 IMDG: International Maritime Dangerous Goods. PBT: Persistent, Bioaccumulative and Toxic. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STOT: Specific Target Organ Toxicity. vPvB: Very Persistent and very Bioaccumulative.
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Key References and sources of data

ESIS: European Chemical Substances Information System.
 ECHA: European Chemicals Agency: <http://echa.europa.eu/> Classification and Labelling Inventory Database: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Institute for Health and Consumer Protection (European Commission): <http://ihcp.jrc.ec.europa.eu/>
 Instituto Nacional de Seguridad e Higiene en el Trabajo: <http://www.insht.es>

Information on evaluation method leading to the classification of mixture

Data not available

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

Full text of H-phrases as mentioned in section 3

Training information

Refer to Section 3

This SDS contains revisions in the following section(s)

None

Disclaimer

This SDS summarises our best knowledge of the health and safety hazards information about the production and how to handle the product. The information contained in this SDS, as of the issue date, is believed to be true and correct. However, accuracy or completeness of this information, and any recommendations and suggestions, are made without warranty and guarantee. Since the conditions of use are beyond the control of Soil Biology Ltd, it is the responsibility of the distributor and user to determine the conditions of safe use of this product. Every effort has been made to ensure this product contains no sharp fragments or regenerative plant parts. However, Soil Biology cannot guarantee they will never be present.