

Safety data sheet

TerraWell®

Version 1.1

Effective date: 27-06-2023

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: TerraWell®.

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

Product use: Probiotic, beneficial for plants and soil. Includes Lactobacillus spp.

1.3 Details of the Supplier of the safety data sheet.

Company: Biodivercity Gmbh
Speerstrasse 26A
8942 Oberrieden
Switzerland

1.4 Emergency telephone number:

Not required.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.

Not classified.

2.2 Label Elements according to CLP No 1272/2008/GB CLP.

Not classified.

Additional information:

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2.3 Other hazards.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

The product is a mixture.

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3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification
7732-18-5 / -	Not relevant	Water	90	Not classified
- / -	Not relevant	Substances determined to be Non-Hazardous	10	Not classified

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:	If in contact with doctor show this safety data sheet.
Inhalation:	If inhaled, remove from contaminated area.
Skin contact:	If skin or hair contact occurs, flush skin with running water.
Eye contact:	If in eyes, hold eyelids apart and flush continuously with running water. If symptomatic contact the Poison Information Centre or a doctor.
Ingestion:	No effect if ingested in small amounts. Product considered nontoxic by ingestion. In case of persistent discomfort: Seek medical attention.

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

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.
Skin contact: Contact with skin may result in irritation.
Eye contact: May be an eye irritant.
Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: The product itself does not burn.
Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment, see section 8.
Avoid eye contact and repeated or prolonged skin contact.

6.2 Environmental precautions:

No special precautions necessary.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).

Large spills: use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for personal protection.
Avoid eye contact and repeated or prolonged skin contact.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container upright. Keep containers closed when not in use - check regularly for leaks.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters - Occupational exposure limits EH-40 (Great Britain):

Contains no substances with occupational exposure limits.

DNEL / PNEC:

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8.2 Exposure controls.

Appropriate technical measures:

Normal room ventilation.

General information / Hygiene measures:

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed.

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Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

Not necessary.

Hand protection:

Gloves are recommended.
Option: Nitrile gloves ≥60 min.

Eye protection:

Wear tightly safety goggles, if risk of contact. EN 166.

Body protection:

Normal work clothing.

Measures to avoid environmental exposure:

No special precautions are necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Liquid
Colour:	Brown
Odour:	Fungal
Melting point/freezing point:	Not relevant/no data
Boiling point:	100°
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	3.7
Viscosity:	Not relevant/no data
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	1.05
Relative vapour density:	1 (air=1)
Particle characteristics:	Not relevant/no data

9.2 Other information:

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Elevated temperatures and sources of ignition.

10.5 Incompatible materials:

Oxidising agents.

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10.6 Hazardous decomposition products:

Oxides of carbon and nitrogen, smoke and other toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity:	Not classified. Product ATE: Oral: >2000 mg/kg Dermal: >2000 mg/kg Inhalation: >20 mg/L
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity – repeated exposure:	Not classified.
Aspiration hazard:	Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Additional information:

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.
Skin contact: Contact with skin may result in irritation.
Eye contact: May be an eye irritant.
Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified harmful to the environment.

12.2 Persistence and degradability:

The product is readily biodegradable.

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12.3 Bioaccumulative potential:

No potential known.

12.4 Mobility in soil:

Soluble in water.

12.5 Result of PBT and vPvB assessment:

The product does not meet the criteria for PBT or vPvB.

12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant.	Not relevant.
14.2 UN proper shipping name	Not relevant.	Not relevant.
14.3 Transport hazard class(es)	Not relevant.	Not relevant.
14.4 Packing group	Not relevant.	Not relevant.
14.5 Environmental hazards – MP EMS:	No Not relevant.	No Not relevant.
Other informations	LQ: Not relevant. Tunnel: Not relevant.	LQ: Not relevant. Tunnel: Not relevant.

14.6 Special precautions for user:

Not relevant.

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14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Sources:

Current ADR regulations 2023. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information:

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15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

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Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:

SRS

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