

Safety Data Sheet

according to 1907/2006/EC, Article 31

Issue Date: 01/02/2022

Version-no.: 1.00

Revised on: 01/02/2022

Trade Name: Biotensidon TimberMin

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Biotensidon TimberMin

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

Use of the substance/mixture: Ecological Wood preservative

Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Supplier: BIOTENSIDON sro / BIOTENSIDON S.A.
Zeyerova CZ – 33701 Rokycany / 68 Park Ross Ave / Hluhluwe
337 01 Rokycany / Czech Republic / KZN / 3960
Tel: +49 151 41 26 55 99
Tel: + 27 72 867 6525
Email: info@biotensidon.eu / l.price@biotensidon.world

1.4 Emergency telephone number: + 27 13 11 26 Poison Centre 24-hour Advice Line
+ 27 861 555 777 - Poison Information Help Line

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to the Regulation (EC) No. 1272/2008

The product is not classified according to the CLP regulation. Please take the information on the safety data sheet into account in any case. The preparation is not classified as dangerous according to Directive 1999/45/EC. The product is not subject to registration according to Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). The product is not subject to the Hazardous Substances Ordinance (GefStoffV) and the CLP(GHS).

2.2 Label elements:

Labelling according to the Regulation (EC) No. 1272/2008: Void

Hazard pictogram: Void

Signal word: Void

Hazard-determining components of labelling: Void

Hazard statements: Void

Additional information:

P102 Keep out of reach of children.
P233 Keep container tightly closed.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT: Not determined

vPvB: Not determined

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Section 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Chemical characterization:	Aqueous solution Silicates and silicate compounds (alkali metal compounds) Water glass Water Cellulose / glucose May contain natural colouring. (mineral dyes / elderberry juice)
Hazardous Ingredients:	ADR: no hazardous materials, no toxic ingredients. Solutions with a molar ratio and a concentration of < 40% are not classified as dangerous.
EC-no.: 263-058-8	Skin Irritation. 2, H315; Eye Irritation H317; Aquatic Chronic 3, H412
Index no.: 011-005-00-2	Eye Irritation. 2, H319

Additional remarks:

- See section 16 for the wording of the listed hazard statements.

Section 4: First aid measures

4.1 Description of first aid measures

General information:	Neutralize the high pH value with water.
After inhalation:	Not applicable
After skin contact:	Wash with soap and water, apply cream.
After contact with eyes:	Rinse eyes for several minutes under running water with the eyelid open. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion:	Rinse mouth and drink lots of water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing agents for safety reasons: Not applicable

5.2 Special hazards arising from the substance or mixture: Not applicable

5.3 Advice for firefighters: Not flammable

Special protective equipment: Not applicable

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Further information: Not applicable

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

Do not dispose into the sewage systems/surface water/groundwater undiluted. Rinse with plenty of water.

6.3 Methods and material for containment and cleaning up

Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protective equipment.
- See section 13 for instructions on disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Not applicable

Information on fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Do not store at temperatures below 12°C

Information for storing in one common facility: Not applicable

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Storage class: 10 - 13 (Further differentiation is renounced, because there is no legal restriction concerning storage in one common facility among the storage classes 10-13.)

Classification according to Industrial Safety Regulation (BetrSichV)

7.3 Specific end use(s)

No further relevant information available.

Section 8: Exposure controls / Personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with limit values that require monitoring at the workplace.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- Do not eat, drink, smoke or sneeze at the workplace.
- Keep away from food, drink and animal feeding stuffs.
- Adhere to the usual precautionary measures when dealing with chemicals.

Respiratory protection: Not applicable

Hand protection:

In case of prolonged skin contact, it is advisable to wear protective gloves or skin protection cream.

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The selection of the suitable gloves does not only depend on the material, but also on further quality features, which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and therefore has to be checked prior to the application.

Penetration time of glove material:

The exact penetration time is to be obtained from the glove manufacturer and must be adhered to.

Eye protection: Tightly sealed safety goggles**Body protection:** Not applicable**Section 9: Physical and Chemical properties****9.1 Information on basic physical and chemical properties****General information**

- Appearance:	
- Form:	Liquid
- Colour:	Transparent
- Odour:	Characteristic
- Odour threshold:	Not determined
- pH-value at 20 °C:	About 9 undiluted
- Change in condition:	
- Melting point/freezing point:	Not determined
- Initial boiling point/boiling range:	100 °C
- Flash Point:	Not determined
- Flammability (solid, gas):	Not applicable
- Ignition temperature:	Not determined
- Decomposition temperature:	Not determined
- Explosive properties:	The product is not an explosive substance.
- Explosive limits:	
- Lower:	Not applicable
- Upper:	Not applicable
- Oxidising properties:	No
- Vapor pressure:	Not determined
- Density at 20 °C:	1.25 g/cm ³
- Relative density:	Not determined
- Vapor density:	Not determined
- Evaporation rate:	Not determined
- Solubility in/miscibility with water:	Fully miscible
- Viscosity:	
- Dynamic:	881.5-881.7 mPa*S@20°C
- Kinematic at 20°C:	Not determined

9.2 Other information:

No further relevant information available.

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Section 10: Stability and Reactivity

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

No decomposition if used and stored according to specifications.

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

No hazardous decomposition products known.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:

Based on available data, the classification criteria are not met.

Primary irritant effect:

- Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

- Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

- Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- 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.

- STOT-single exposure:

Based on available data, the classification criteria are not met.

- STOT-repeated exposure:

Based on available data, the classification criteria are not met.

- Aspiration hazard:

Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Toxicity:

No further relevant information available.

12.2 Persistence and degradability:

Completely biodegradable OECD 301B 12.3

Bio accumulative potential:

No further relevant information available.

12.4 Mobility in soil:

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No further relevant information available.

12.5 Results of PBT and vPvB assessment:

Not determined

12.6 Other adverse effects:

No further relevant information available.

Section 13: Disposal (Recommendation)

13.1 Waste water treatment methods:

Recommendation:

Must be specially treated under adherence to official regulations.

Waste code:

The allocation of waste code/waste descriptions is to be carried out in accordance with the industry and process.

Recommendation:

Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Section 14: Transport Information

14.1 UN number:

ADR/RID/ADN, IMDG, IATA (Void)

14.2 UN proper shipping name:

ADR/RID/ADN, IMDG, IATA (Void)

14.3 Transport hazard class(es):

ADR/RID/ADN, IMDG, IATA-Class (Void)

14.4 Packing group:

ADR/RID/ADN, IMDG, IATA (Void)

14.5 Environmental hazards:

Not applicable

14.6 Special precautions for user:

Not applicable

14.7 Transport in bulk: according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Transport/Additional information: Not a hazardous goods, according to the above regulations.

UN Model Regulation: Void

Section 15: Regulatory information

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

Directive 2012/18/EU

- Hazardous substances as listed in Annex I: None of the ingredients is listed.
- Restrictive conditions according to Regulation (EC) No 1907/2006 Annex XVII: 3

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National regulations

- **Water hazard class:** WGK 1 (own classification)

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

Section 16: Other information

The information contained herein is based on the present state of our knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in bulk.

UN: United Nations (also UNO: United Nations Organization)

NOEC: No Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

ASTM: American Society for Testing and Materials

WAF: Water Accommodated Fraction

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic vPvB: very Persistent and very Bio accumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment – long-term hazardous to the aquatic environment – Category 3
