

Safety Data Sheet

according to 1907/2006/EC, Article 31

Issue Date: 01.02.2021

Version-no.: 1.00

Revised on: 01.02.2021

Trade Name: Rhamnolipids SPJ202**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** Rhamnolipids SPJ202**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture:** Bio Surfactant**Uses advised against:** No further relevant information available.**1.3 Details of the supplier of the safety data sheet**

Supplier:	BIOTENSIDON s.r.o.	BIOTENSIDON S.A.
	Zeyerova 1353	68 Park Ross Ave / Hluhluwe
	337 01 Rokycany / Czech	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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Substance name	Product identifier	%
Microbial anionic surfactants, Polysaccharides (Rhamnolipids)	(CAS-Nr.) 147858-26-2 (EG-Nr.) (Index-Nr.)	<= 22%
Water	(CAS-Nr.) internal (EG-Nr.) (Index-Nr.)	<=80%

Additional remarks:

- Full text of R-, H- and EUH-phrases: see section 16 Identification of the Mixture.
- The product contains no substances known to be hazardous to health in concentrations which need to be considered.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: Not applicable
After inhalation: Not applicable
After skin contact: Generally, the product does not irritate the skin.
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.

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**Further information:** Not applicable

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SECTION 6: Accidental release measure

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

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Hand protection:

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

Glove material

The selection of the suitable gloves does not only depend on the material, but also on further quality features, which may vary from manufacture to manufacture. 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:** Yellow to light brown
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value at 20 °C:** ~7.0 +/- 0.5
- **Change in condition:**
 - Melting point/freezing point:** Not determined
 - Initial boiling point/boiling range:** 101°C at 760 mmHg
- **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:** 1.01 - 1.04 g/cm³
- **Relative density:** Not determined
- **Vapor density:** Not determined
- **Evaporation rate:** Not determined
- **Solubility in/miscibility with water:** Fully miscible
- **Partition coefficient: n-octanol/water:** Not determined

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- **Viscosity:**

Dynamic:

0.966 mPa s @ 20°C

Kinematic at 20°C:

Not determined

9.2 Other information

Volatility (saturation concentration):

no volatility bei 28° and 35°c

Surface tension:

25 - 30 mN/m

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.

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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

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 considerations

13.1 Waste 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.

European waste list	
20 01 30	detergents other than those mentioned in 20 01 29
15 01 02	packaging made of plastic

Uncleaned packaging's

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

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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 good 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

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, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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