

Safety Data Sheet

according to 1907/2006/EC, Article 31

Issue Date: 30/04/2023

Version-no.: 1.00

Revised on: 01/05/2023

Trade Name: Rhamolipids SPJ202 50%

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

1.1 Product identifier

Trade name: Rhamolipids SPJ202 50%

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

Main use category: Consumer use

Specific use(s): Pharmaceuticals, Cosmetics, Agriculture, Emulsifier, Decontamination

1.3 Details of the supplier of the safety data sheet

Supplier: Biotensidon s.r.o.
Zeyerova 1353
33701 Rokycany
Fon: +420720035167
Email: info@biotensidon.eu

1.4 Emergency telephone number

GERMANY	+49 30 19 24 0	Poison Center Berlin
AUSTRIA	+431 406 43 43	Vergiftungsinformationszentrale (Poisons Information Centre)
BELGIUM	+32 70 245 245	Centre Anti-Poisons c/o Hospital Central de la Base – Reine Astrid
CROATIA	+385 1 234 8342	Poisons Control Centre Institute of Medical Research & Occupational Health
DENMARK	+45 82 12 12 12 +45 35 31 55 55	Poison Information Centre Bispebjerg Hospital
GERMANY	+49 228 287 3211	Informationszentrale gegen Vergiftungen Zentrum für Kinderheilkunde der Rheinischen-Friedrich-Wilhelm- Universität Bonn
ROMANIA	+40 2121 06282 +40 2121 06183	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"
SWITZERLAND	+41 44 251 51 51	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008/EC

Mixture: CLP classification not requested

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification: the product is non-dangerous in accordance with Directive 1999/45/EC
not classified

2.2 Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Mixture: CLP classification not requested

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2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

S-phrases:	S2	Keep out of the reach of children
	S7	Keep container tightly closed
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3 Other hazards

Other hazards which do not result in classification: Results of PBT and vPvB assessment:
Non-classified PBT substance
Non-classified vPvB substance

SECTION 3: Composition/information on ingredients

3.1. Substances

not applicable

3.2 Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
microbial anionic surfactants, Polysaccharides (Rhamnolipids)	(CAS-Nr.) 147858-26-2 (EG-Nr.) (Index-Nr.)	<=52	Not classified
Substance name	Product identifier	%	Classification according to Reg. (EC) No. 1272/2008 [CLP]
water	(CAS-Nr.) internal (EG-Nr.) (Index-Nr.)	<=50	Not classified

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 taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Not applicable
Skin contact:	Not applicable
Eye contact:	Remove contact lenses Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes, consult a physician
Ingestion:	Do NOT induce vomiting rinse mouth, drink plenty of water consult a physician if necessary
Additional advice:	Never give anything by mouth to an unconscious person Show this safety data sheet to the doctor in attendance Treat symptomatically When symptoms persist or in all cases of doubt seek medical advice

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4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Health injuries are not known or expected under normal use
Skin contact: No sensitisation responses were observed
Eye contact: May be irritating
Ingestion: Health injuries are not known or expected under normal use

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing media which shall not be used for safety reasons: none known

5.2 Special hazards arising from the substance or mixture

Fire Hazard: Not combustible

Specific hazards: none known

5.3 Advice for firefighters

no special handling advice required

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid contact with eyes

Advice for emergency responders: no special handling advice required

6.2 Environmental precautions

Environmental precautions: none

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Prevent further leakage or spillage if safe to do so. Rinse with plenty of water

6.4 Reference to other sections

- see also section 8

- see also section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling: No special handling advice required. The product is not flammable nor combustible

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke

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7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.
Do not freeze.

Packaging material: Store in original container

7.3 Specific end use(s)

not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limit(s): not applicable

8.2 Exposure controls

Respiratory protection: not required

Hand protection: no special protective equipment required

Eye protection: no special protective equipment required

Skin and body protection: no special protective equipment required

Engineering measures: not required

Environmental exposure controls: not required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Colour: yellow to light brown

pH: pH ~7.0 +/- 0.5 (@20°C)

Melting point/range: no data available

Boiling point/boiling range: 101°C at 760 mmHg

Flash point: not applicable

Evaporation rate: ~100°C

Explosion limits the product is not flammable

Vapour pressure: no data available

Vapour density: no data available

Density: 1.01 - 1.04 g/cm³

Water solubility: completely miscible

Partition coefficient: n-octanol/water: no data available

Autoignition temperature: non flammable

Viscosity: 0.966 mPa s @ 20°C

Explosive properties: non-flammable - can be used for explosive inhibition

Oxidizing properties: not applicable-non flammable

9.2 Other information

Volatility (saturation concentration): no volatility bei 28° and 35°C

Surface tension: 25 - 30 mN/m

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SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity: see also section 10.5.

10.2 Chemical stability

Stability: stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: none under normal processing

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: not classified

cell-free culture medium JRV-L-V2	
LD50/oral/rat	> 5.100 mg/m ³
CL50/aerosol/rat	<10.000 mg/kg

Irritation: not classified
Ph-Wert ~ 7.0 (@20°C)

Corrosivity: not classified
Ph-Wert ~ 7.0 (@20°C)

Sensitisation: not classified

Repeated dose toxicity: not classified

Carcinogenicity: not classified

Mutagenicity: not classified

Reproductive toxicity: not classified

Further information:

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity effects: not hazardous

Component: **Rhamnolipide, Polysaccharides**

Vibrio Fischeri bacteria te	> 110mg/l
Cytotoxicity/fibroblast cell line L929	
the mouse	50mg/l (after 24-48 hrs.)

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12.2 Persistence and degradability

Completely biodegradable

12.3 Bioaccumulative potential

Bioaccumulation: no accumulation
Partition coefficient: n-octanol/water: no data available

12.4 Mobility in soil

Mobility: mobile in the soil
Surface tension: 25 - 30 mN/m

12.5 Results of PBT and vPvB assessment

PBT/vPvB: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:

See also section 7. Handling and storage,
Dispose of in accordance with local regulations, flush into sewer with plenty of water

Contaminated packaging:

empty containers should be taken to an approved waste handling site for recycling or disposal.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC):

Disposal must be made according to official regulations.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

No data available

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

15.1.1. EU-Regulations

Authorisations/Restrictions on use: no data available

15.1.2. National Regulations

WGK 1: 1 - self assessment

15.2 Chemical safety assessment

no data available

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SECTION 16: Other information

Sources of key data used to compile the datasheet:

<http://ecb.jrc.ec.europa.eu>

SDS 'BIOSURFACT' from supplier issued 30.09.2020

Abbreviations and acronyms:

ADNR	Accord Européen relatif au Transport International des Merchandise Dangereuses par voie de Navigation du Rhin
ADR	Accord Européen relatif au Transport International des Merchandise Dangereuses par Route
CLP	Classification, Labeling and Packing Regulation according to 1272/2008/EC
IATA	International Air Transport Association
IMDG	International Maritim Dangerous Goods Code
LEL	Lower Explosive Limit/Lower Explosion Limit
UEL	Upper Explosive Limit/Upper Explosion Limit
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
CSR	Chemical Safety Report
LD50	median lethal dose
STEL	Derived level of exposure without negative impact
TLV	Threshold limits
TWA	time weighted average
	persistent, bioaccumulating and toxic (PBT).
	very persistent and very bioaccumulating (vPvB)
WGK	Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act.)

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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