

SECTION1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product code : BioPHURA Liquido ammorbidente
Trades code : 3SLXXAX012800

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

Fabric softener

Sectors of use:

Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Biochimica S.p.A.
Via Roma, 49
40069 Zola Predosa (BO)
tel. +39 051 755269
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email: info@biochimicaspa.it
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Indirizzo persona responsabile della SDS: sds@chimicahts.it

Produced by
Biochimica S.p.A.
Via Roma, 49
40069 Zola Predosa (BO)

1.4. Emergency telephone number

Biochimica Spa tel. +39 051755269 (Monday-Friday from 8.30 to 12.30 and from 13.30 to 17.30)

SECTION2. Hazards identification**2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:
None

Hazard Class and Category Code(s):
Nonhazardous

Hazard statement Code(s):
Nonhazardous

2.2. Label elements

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

 Pictogram, Signal Word Code(s):
 None

 Hazard statement Code(s):
 Nonhazardous

 Supplemental Hazard statement Code(s):
 not applicable

 Precautionary statements:
 General

 P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.

 Contains (Reg.EC 648/2004):
 5% < 15% cationic surfactants, < 5% perfumes, Lactic acid

2.3. Other hazards

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients
3.1 Substances

Irrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	> 5 <= 8%	Skin Irrit. 2, H315	N.A.	N.A.	931-203-0	01-2119463 889-16-0004
A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	> 0,1 <= 1%	Aquatic Acute 1, H400; Aquatic Chronic 1, H410		34902-57-3	422-320-3	01-0000016 883-62-0000

SECTION4. First aid measures
4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):
Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):
Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:
Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If you experience harmful symptoms, contact a physician immediately.

SECTION5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:
Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:
Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke
Wear gloves and protective clothing

6.1.2 For emergency responders:
Wear gloves and protective clothing
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities. Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material. Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
At work do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Private households (= general public = consumers):
Store in cool and dry places.

Public domain (administration, education, entertainment, services, craftsmen):
Handle with care.
Store in ventilated place away from heat sources,
Keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No data available on the mixture.

- Substance: Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized DNEL

Systemic effects Long term Workers inhalation = 44 (mg/m³)

Systemic effects Long term Consumers inhalation = 13 (mg/m³)

Systemic effects Long term Consumers dermal = 187,5 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 7,5 (mg/kg bw/day)

Systemic effects Short term Workers dermal = 312,5 (mg/kg bw/day)

PNEC

Sweet water = 0,002 (mg/l)

sediment Sweet water = 0,58 (mg/kg/sediment)

sediment Sea water = 0,058 (mg/kg/sediment)

intermittent emissions = 0,019 (mg/l)

STP = 2,96 (mg/l)
ground = 0,115 (mg/kg ground)

- Substance: A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one

PNEC

Sweet water = 0,0027 (mg/l)
sediment Sweet water = 21 (mg/kg/sediment)
Sea water = 0,00027 (mg/l)
sediment Sea water = 4,2 (mg/kg/sediment)
STP = 10 (mg/l)
ground = 5,44 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Public domain (administration, education, entertainment, services, craftsmen):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Individual protection measures:

(a) Eye / face protection

Not needed for normal use.

(b) Skin protection

(i) Hand protection

Not needed for normal use.

(ii) Other

Wear normal work clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	white liquid	
Odour	flowers	

Physical and chemical properties	Value	Determination method
Odour threshold	This property is not suitable for safety and product classification	
pH	2.1-2.5	
Melting point/freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	This property is not suitable for safety and product classification	
Flash point	nonflammable	
Evaporation rate	This property is not suitable for safety and product classification	
Flammability (solid, gas)	This property is not suitable for safety and product classification	
Upper/lower flammability or explosive limits	This property is not suitable for safety and product classification	
Vapour pressure	This property is not suitable for safety and product classification	
Vapour density	This property is not suitable for safety and product classification	
Relative density	1.002	
Solubility	in water	
Water solubility	complete	
Partition coefficient: n-octanol/water	This property is not suitable for safety and product classification	
Auto-ignition temperature	This property is not suitable for safety and product classification	
Decomposition temperature	This property is not suitable for safety and product classification	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

None in particular

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information
11.1. Information on toxicological effects

No toxicological tests have been performed on the mixture.

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
 Oral, LD50 : 5000 mg / kg (rat)
 Dermal, LD50 : > 2000 mg / kg (rat)

A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one:
 LD50 (rat) Oral (mg/kg body weight) = 2000
 LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

SECTION 12. Ecological information
12.1. Toxicity

The product has not been tested for environmental impact in the event of accidental release in the environment.

Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
 fish, LC50 : 1,91 mg/l
 Daphnia, EC50 : 2,23 mg/l
 Algae, IC50 : 2,14 mg/l

A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one:
 LC50, 96 h, *Oncorhynchus mykiss*: > 0.803 mg/l
 NOEC, 33 d, *Pimephales promelas*: 0.027 mg/l
 EC50, 48 h, *Daphnia magna*: > 0.17 mg/l
 NOEC, 21 d, *Daphnia magna*: 0.068 mg/l
 EC50, 72 h, *Desmodesmus subspicatus*: 0.4 mg/l

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available for the mixture.

Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
Readily biodegradable

A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one:
Readily biodegradable.

12.3. Bioaccumulative potential

No data available for the mixture.

Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
No data available

A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one:
BCF: 1832

12.4. Mobility in soil

No data available for the mixture.

Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
Do not dispose of the product in groundwater, waterways or sewage system.

A mixture of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one:
Log Koc: 4.65

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

The surfactant (s) contain (s) in this formulation comply (ies) with the criteria set out in Regulation (EC) biodegradability/648/2004 on detergents. All supporting data shall be kept at the disposal of the competent authorities of the Member States and will be provided, at their explicit request or at the request of a manufacturer of the formulation, the above authority.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information**14.1. UN number**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

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

It is not intended to carry bulk

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Reg. 648/2004/EC (detergents)
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) no 1272/2008 (CLP)
Regulation (EC) no 790/2009, 2012/18/EU
Directive (cd. Seveso III)

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information**16.1. Other information**

Description of the hazard statements exposed to point 3
H315 = Causes skin irritation.
H225 = Highly flammable liquid and vapour.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:

Regulation 2008/1272/EC

Regulation 2015/830/EC

Link ECHA (source of information on chemical substances produced or imported in Europe)

<https://echa.europa.eu/information-on-chemicals>

MSDS provided by the customer and on the same raw material

*** This Board cancels and replaces any previous edition.