

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 07.03.2022

Version number 3.0 (replaces version 2.0)

Revision: 07.03.2022

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

- **1.1 Product identifier**
- **Trade name:** BIOTHEN harmony Spülmittel Verbena
- **UFI:** 77G8-CSMJ-N10R-HDFM
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:**
Cleaning material/ Detergent
Hand dish washing agent
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
GLOBAL COSMED GROUP S.A.
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Tel. +48 (76) 870 30 31; Fax +48 (76) 870 32 63

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Osterbekstraße 90 a
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- **1.4 Emergency telephone number:**
+48 76 870 30 31 (Mo. to Fr. 8:00 - 16:00) or 112
+49 40 64 60 429 - 0 (Mo. to Fr. 8:00 - 17:00) or 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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Hazard pictograms


GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16	SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts) Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $5\% \leq C < 10\%$	$\geq 10 - < 15\%$
CAS: 61789-40-0 EINECS: 263-058-8 Reg.nr.: 01-2119488533-30	COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts) Eye Dam. 1, H318; Aquatic Chronic 3, H412	$\geq 3 - < 5\%$

Regulation (EC) No 648/2004 on detergents / Labelling for contents

anionic surfactants	$\geq 5 - < 15\%$
amphoteric surfactants	$< 5\%$
preservation agents (SODIUM BENZOATE), perfumes	

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Rinse with warm water.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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 agents:**
Use fire extinguishing methods suitable to surrounding conditions.
Water spray
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid skin and eye contact.
Slipping hazard due to leaking product.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
No special measures required.
Keep away from frost and heat.
- **Information about 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:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store and transport uprightly.
- **Storage class:** 12

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7.3 Specific end use(s)

The product is a cleaning product for household use. Observe the warnings and instructions on the packaging.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs
68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

Oral	DNEL - long-term, oral, systemic effect	15 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	2,750 mg/kg (worker)
		1,650 mg/kg (consumer)
	DNEL - long-term, dermal, local effect	132 µg/cm ² (worker)
		79 µg/cm ² (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	175 mg/m ³ (worker)

PNECs
68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

PNEC water (fresh water)	240 µg/l
PNEC water (marine water)	24 µg/l
PNEC water (intermittent)	71 µg/l
PNEC sediment (fresh water)	0.9168 mg/kg
PNEC sediment (marine water)	0.09168 mg/kg
PNEC (soil)	7.5 mg/kg

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further relevant information available.

Individual protection measures, such as personal protective equipment

Respiratory protection: Not required.

Hand protection



Protective gloves

Due to missing tests, it is not possible to give exact information about the glove material for the product.

Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

Material of gloves

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

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

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application.

· **Penetration time of glove material**

Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

· **Eye/face protection**



Tightly sealed goggles

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Environmental exposure controls**

Do not allow product to reach ground water, water course or sewage system.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Colourless

· **Odour:**

Pleasant

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Aqueous preparation. No flashpoint up to 100 °C.

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C**

4.5-6

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic at 20 °C:**

<5,000 mPas

· **Solubility**

· **water:**

Fully miscible.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure at 20 °C:**

23 hPa (7732-18-5 water)

· **Density and/or relative density**

· **Density at 20 °C:**

1.032-1.042 g/cm³

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

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- **9.2 Other information**
- **Appearance:**
- **Form:** Liquid
- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent content:**
- **Organic solvents:** 3.4 %
- **Water:** 76.2 %
- **Change in condition**
- **Evaporation rate** Not determined.
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Product is stable.
- **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** Keep away from frost and heat.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:
68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

Oral LD50 >5,000 mg/kg (rat) (Acute Oral Toxicity)

Dermal LD50 >2,000 mg/kg (rat) (Acute Dermal Toxicity)

61789-40-0 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts)

Oral LD50 >2,000 mg/kg (rat)

 · **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

 · **Serious eye damage/irritation** Causes serious eye irritation.

 · **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

 · **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.

68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

NOAEL >300 mg/kg bw/d (rat) (OECD TG 416)

 · **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.

68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

NOAEL >225 mg/kg/d (rat) (OECD TG 408)

 · **Aspiration hazard** Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards
· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity
· Aquatic toxicity:
68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

Toxicity (fish): LC50 >10-100 mg/l, 96 h (Leuciscus idus)

Toxicity chronic (fish): NOEC >1-10 mg/l, 28 d (Leuciscus idus)

Toxicity (Daphnia): EC50 >10-100 mg/l, 48 h (Daphnia magna)

Toxicity (Algae): EC50 >10-100 mg/l, 72 h (Scenedesmus subspicatus)

· 12.2 Persistence and degradability

No information for the product available. The contained surfactants are readily biodegradable.

68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

Readily biodegradable >90 % (28 d)

61789-40-0 COCAMIDOPROPYL BETAINE (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts)

Readily biodegradable >80 % (28 d) (Geschlossener Flaschentest, Verordnung (EG) Nr. 440/2008)

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· 12.3 Bioaccumulative potential

68891-38-3 SODIUM LAURETH SULFATE (Alcohols C12-14 ethoxylated, sulfates, sodium salts)

Log Pow 0.3 (Potential: low)

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Empty the container thoroughly.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· **Waste disposal key:**

20 01 29

15 01 10

· **Uncleaned packaging:**

· **Recommendation:**

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

Not applicable.

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· **14.6 Special precautions for user** *Not applicable.*

· **14.7 Maritime transport in bulk according to IMO instruments** *Not applicable.*

· **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**

· **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

· **REGULATION (EC) No 1907/2006 ANNEX XVII** *Conditions of restriction: 3*

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Information about limitation of use:** *Employment restrictions concerning juveniles must be observed.*

· **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present knowledge. In particular, the information derive the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. The information does not constitute any guarantee of product quality and/or quality features.

· **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

· **Training hints**

When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.

When transporting the product: information and instruction in ADR.

· **Classification according to Regulation (EC) No 1272/2008**

The skin and/or eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9 (3) and Article 9 (4) of Regulation (EC) No 1272/2008.

· **Department issuing SDS:** *Regulatory Affairs*

· **Contact:**

reg@globalcosmed.eu

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· **Date of previous version:** 02.08.2021· **Version number of previous version:** 2.0· **Abbreviations and acronyms:**

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

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

IBC: Intermediate Bulk Container

IMO: International Maritime Organisation

ECHA: European Chemicals Agency

IVIS: In Vitro Irritancy Score

CLP regulation: "Classification, Labelling and Packaging" regulation, regulation (EC) Nr. 1272/2008

REACH (regulation): "Registration, Evaluation, Authorisation and Restriction of Chemicals" regulation, regulation (EC) Nr. 1907/2006

CE: Conformité Européenne (European Conformity)

Reg.nr.: Registration number

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective concentration, 50 percent

WEL: Workplace Exposure Limits

NOAEL (NOAEC): No observed adverse effect level (concentration)

NOEL (NOEC): No observed effect level (concentration)

NLP: No-Longer-Polymer

OECD: Organisation for Economic Co-operation and Development

TG: Test Guideline

BCOP: Bovine Corneal Opacity and Permeability

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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

· *** Data compared to the previous version altered.**