

Safety Data Sheet ANTIBAC FOAM

Safety Data Sheet dated 19/9/2016, version 3

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

1.1. Product identifier

Mixture identification

Trade name: ANTIBAC FOAM

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

Recommended use:

Handwash disinfectant soap.

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it


1.4. Emergency telephone number


+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Eye Irrit. 2, Causes serious eye irritation.

 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

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

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

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Product contents:

amphoteric surfactants

5 - 15 %

The product also contains: Disinfectants

Allergens:

Preservatives:

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable, the product is a mixture.

Not applicable

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 3% - < 5% COCAMIDOPROPYL BETAINE

REACH No.: 01-2119489410-39, CAS: 147170-44-3, EC: 931-333-8


 3.3/1 Eye Dam. 1 H318


4.1/C3 Aquatic Chronic 3 H412

>= 1% - < 3% C12-14 ALKYLDIMETHYLAMINES, N-OXIDES


REACH No.: 01-2119490061-47, CAS: 308062-28-4, EC: 931-292-6

 3.1/4/Oral Acute Tox. 4 H302

 3.2/2 Skin Irrit. 2 H315

 3.3/1 Eye Dam. 1 H318

 4.1/A1 Aquatic Acute 1 H400 M=1.


 4.1/C2 Aquatic Chronic 2 H411 M=1.


>= 0.5% - < 1% ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

REACH No.: 01-2119965180-41, CAS: 68391-01-5, EC: 269-919-4

 3.2/1B Skin Corr. 1B H314


 3.1/4/Oral Acute Tox. 4 H302


 4.1/C1 Aquatic Chronic 1 H410


 4.1/A1 Aquatic Acute 1 H400

>= 0.25% - < 0.5% CHLORHEXIDINE DIGLUCONATE

REACH No.: 01-2119946568-22, CAS: 18472-51-0, EC: 242-354-0

 3.3/1 Eye Dam. 1 H318

 4.1/A1 Aquatic Acute 1 H400

 4.1/C1 Aquatic Chronic 1 H410

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The product does not contain ingredients classified as explosive according to Regulation 1272/2008/EC (CLP).

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water. To converge the product in containment tanks.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Store away from sunlight.
 - Store in a cool and well ventilated place.
 - Do not store in open or unlabeled containers.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - See section 10.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Until the revision date of this document, no experimental data are available for the mixture.
 - Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture.
Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

Worker Industry: 12.5 mg/kg - Consumer: 7.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/d

Worker Industry: 44 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 7.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/d

C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

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Worker Industry: 11 mg/kg - Consumer: 5.5 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects

Worker Industry: 15.5 mg/m³ - Consumer: 3.8 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 0.44 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects

Worker Industry: 0.27 % - Consumer: 0.27 % - Exposure: Human Dermal - Frequency:
Long Term, local effects - Notes: in mixture (by weight)

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Worker Industry: 5.7 mg/kg - Consumer: 3.4 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects

Worker Industry: 3.96 mg/m³ - Consumer: 4.64 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 3.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects

PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture.

Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

Target: Marine water - Value: 0.00135 mg/l

Target: Fresh Water - Value: 0.0135 mg/l

Target: Marine water sediments - Value: 0.1 mg/kg

Target: Soil (agricultural) - Value: 0.8 mg/kg

Target: Microorganisms in sewage treatments - Value: 3000 mg/l

C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4

Target: Marine water - Value: 0.00335 mg/l

Target: Marine water sediments - Value: 0.524 mg/kg

Target: Soil (agricultural) - Value: 1.02 mg/kg

Target: Microorganisms in sewage treatments - Value: 24 mg/kg

Target: Food chain - Value: 11.1 mg/kg

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Target: Marine water - Value: 0.00009 mg/l

Target: Fresh Water - Value: 0.0009 mg/l

Target: Microorganisms in sewage treatments - Value: 0.4 mg/l

Target: Soil (agricultural) - Value: 7 mg/kg

Target: Marine water sediments - Value: 1.22 mg/kg

Target: Freshwater sediments - Value: 12.27 mg/kg

Target: Air - Value: 0.00016 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.(EN 166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or
viton (EN 14605 in case of splashes or EN 13982 in case of dust)

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or
rubber. (EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480
minutes).

Due to great diversity of types, observe the operating instructions of the manufacturer with
respect to substances listed in paragraph 3.2.

Respiratory protection:

Not needed for normal use.

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Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Clear liquid, colorless/yellow	Visual	--
Odour:	Technical	Olfactory	--
Odour threshold:	Evident	--	--
pH:	6,3 +/- 0,5	Instrumental control	--
Melting point / freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Initial boiling point and boiling range:	>= 100°C	--	Estimated value on chemical / physical properties of components
Flash point:	> 65 °C	--	Estimated value on chemical / physical properties of components
Evaporation rate:	Not Relevant	--	Parameter not relevant for the type of product
Solid/gas flammability:	Not Relevant	--	Parameter not relevant for the type of product
Upper/lower flammability or explosive limits:	Not Relevant	--	Parameter not relevant for the type of product
Vapour pressure:	Not Relevant	--	Parameter not relevant for the type of product
Vapour density:	Not Relevant	--	Parameter not relevant for the type of product
Relative density:	1.010 g/ml	Instrumental control	--
Solubility in water:	Total	--	internal tests
Solubility in oil:	Partial	--	internal tests
Partition coefficient (n-octanol/water):	< 1000	--	Value estimated based on the solubility of the mixture.
Auto-ignition temperature:	Not Relevant	--	Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant	--	Parameter not relevant for the type of product
Viscosity:	< 10 cP	--	Estimated indicative value. Not

			viscous mixture.
Explosive properties:	Not Relevant	--	Parameter not relevant for product composition.
Oxidizing properties:	Not Relevant	--	Parameter not relevant for product composition.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	Parameter not relevant for the type of product
Fat Solubility:	Not Relevant	--	Parameter not relevant for the type of product
Conductivity:	Not Relevant	--	Parameter not relevant for the type of product
Substance Groups relevant properties	Not Relevant	--	Parameter not relevant for the type of product

SECTION 10: Stability and reactivity

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

Until the revision date of this document, are not available experimental toxicological data on the mixture.

For the classification of the mixture see section 2.1.

Not applicable

Toxicological information of the main substances found in the mixture:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

a) acute toxicity:

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- Test: LD50 - Route: Oral - Species: Rat > 1960 mg/kg - Source: OECD 401 - Notes: bw
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/l - Source: OECD 402
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404 -
Notes: Sol 30%
- c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Yes - Source: OECD 405
- d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative - Source: OECD 406
- C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1064 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin or Resp. Sensitization Negative
Test: NOAEL - Route: Oral - Species: Rat = 88 mg/kg - Source: OECD 408
- ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 397.5 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 3412 mg/kg
- b) skin corrosion/irritation:
Test: Skin Corrosive Positive
- c) serious eye damage/irritation:
Test: Eye Corrosive Positive

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as Not Applicable:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. The environmental hazard of the product are reported in Section 2.1 if applicable. Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

a) Aquatic acute toxicity:

- Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Leuciscus idus
Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

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- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 1 mg/l - Notes: Oncorhynchus mykiss
Endpoint: NOEC - Species: Daphnia = 1 mg/l - Notes: Daphnia magna
- c) Bacteria toxicity:
Endpoint: EC0 - Species: Microorganisms / Effect on activated sludge: > 100 mg/l -
Notes: Pseudomonas putida
- C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.67 mg/l - Duration h: 96 - Notes: Pimelphales promelas
Endpoint: EC50 - Species: Daphnia = 3.1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.143 mg/l - Duration h: 72
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae = 0.067 mg/l
- ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 0.016 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 0.515 mg/l - Duration h: 96
Endpoint: NOEC - Species: Algae = 0.009 mg/l
Endpoint: EC50 - Species: Algae = 0.03 mg/l - Duration h: 72
- CHLORHEXIDINE DIGLUCONATE - CAS: 18472-51-0
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.08 mg/l
Endpoint: EC50 - Species: Algae = 0.081 mg/l
Endpoint: EC50 - Species: Daphnia = 0.087 mg/l - Notes: Daphnia magna

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

- COCAMIDOPROPYL BETAINE - CAS: 147170-44-3
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
- C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4
Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28 days - %: 90 - Notes: Not applicable
Biodegradability: Not applicable - Test: Dissolved organic carbon - Duration: Not applicable - %: 123 - Notes: mg/g
Biodegradability: Not applicable - Test: Biochemical oxygen demand - Duration: Not applicable - %: 360 - Notes: mg/g
- ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

- COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

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Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4
Bioaccumulation: Slightly bioaccumulative - Test: Log Pow - Partition coefficient Not applicable - Duration: Not applicable - Notes: < 4

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

COCAMIDOPROPYL BETAINE - CAS: 147170-44-3

Mobility in soil: Not mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.
See also section 6.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)

14.3. Transport hazard class(es)

ADR-Class: 9
ADR-Label 9
ADR - Hazard identification number: 90
IATA-Class/Division: 9
IATA-Label 9
IMDG-Class/Division: 9
IMDG-Label 9

14.4. Packing group

ADR-Packing Group: III

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IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant
14.6. Special precautions for user	
ADR-Subsidiary risks:	-
ADR-S.P.:	274 335 375 601
ADR-Tunnel Restriction Code:	E
IATA-Passenger Aircraft:	964
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158 A197
IATA-ERG:	9L
IMDG-S.P.:	274 335 969
IMDG-EmS:	F-A , S-F
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category A
IMDG-Storage notes:	-
IMDG-Segregation notes:	-
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable	

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) 2015/830
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
Product belongs to category: E2

15.2. Chemical safety assessment

No, for instructions on safe handling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

No

SECTION 16: Other information

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Full text of phrases referred to in Section 3:

- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H314 Causes severe skin burns and eye damage.
- H410 Very toxic to aquatic life with long lasting effects.
- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 5: Firefighting measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 10: Stability and reactivity
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information

The classification of the product is based on conventional calculation method.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EC0/10/20/50/100: Effective concentration, for 0/10/20/50/100 percent of test population.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).



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ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC0/10/20/50/100:	Lethal concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/100:	Lethal dose, for 0/10/20/50/100 percent of test population.
LTE:	Long-term exposure.
NOEC:	No Observed Effect Concentration
NOAEL(R)/N	No Observed Adverse Effect Level(Repeated)/Concentration
OAEC:	
OECD:	Organisation for Economic Co-operation and Development
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.