Safety Data Sheet
ANTIBAC GEL

Safety Data Sheet dated 8/9/2016, version 2

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

1.1. Product identifier

Mixture identification

Trade name: ANTIBAC GEL

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

Recommended use:

Hand disinfectant gel.

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)

Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

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:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

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

Product contents:

polycarboxylates < 5 %

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:

>= 70% - < 80% ETHANOL

REACH No.: 01-2119457610-43, Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6


2.6/2 Flam. Liq. 2 H225


3.3/2 Eye Irrit. 2 H319

>= 5% - < 7% 2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE

REACH No.: 01-2119486482-31-, CAS: 102-71-6, EC: 203-049-8

substance with a Community workplace exposure limit

>= 0.1% - < 0.25% TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL

REACH No.: 01-2119446672-36, Index number: 604-070-00-9, CAS: 3380-34-5, EC: 222-182-2


3.3/2 Eye Irrit. 2 H319


3.2/2 Skin Irrit. 2 H315


4.1/A1 Aquatic Acute 1 H400 M=100.


4.1/C1 Aquatic Chronic 1 H410 M=1.

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 opthalmologist 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 revison 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:

In case of fire, use a dry powder fire extinguisher to extinguish.

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.
Contamined 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.
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
See section 10.
Instructions as regards storage premises:
Cool and adequately ventilated.
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.
ETHANOL - CAS: 64-17-5
EU - LTE(8h): 1920 mg/m3, 1000 ppm - Notes: WEL
ACGIH - STE(15min): 1880 mg/m3, 1000 ppm - Notes: A3 - URT irr
2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE - CAS: 102-71-6
EU - LTE(8h): 5 mg/m3
ACGIH - LTE(8h): 5 mg/m3 - Notes: Eye and skin irr
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.
ETHANOL - CAS: 64-17-5
Worker Industry: 1900 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 950 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE - CAS: 102-71-6

Worker Industry: 6.3 mg/kg - Consumer: 3.1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/d

Worker Industry: 5 mg/kg - Consumer: 1.25 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 13 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/d

TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5

Worker Industry: 2.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 3 mg/m3 - Exposure: Human Inhalation - 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.

ETHANOL - CAS: 64-17-5

Target: Marine water - Value: 0.79 mg/l
Target: Fresh Water - Value: 0.96 mg/l
Target: Marine water sediments - Value: 2.9 mg/kg
Target: Soil (agricultural) - Value: 0.63 mg/kg
Target: Freshwater sediments - Value: 3.6 mg/kg

2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE - CAS: 102-71-6

Target: Microorganisms in sewage treatments - Value: 10 mg/l
Target: Marine water - Value: 0.032 mg/l
Target: Soil (agricultural) - Value: 0.151 mg/kg
Target: Marine water sediments - Value: 0.17 mg/l
Target: Freshwater sediments - Value: 1.7 mg/kg

TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5

Target: Marine water - Value: 0.000007 mg/l
Target: Microorganisms in sewage treatments - Value: 0.11 mg/l
Target: Marine water sediments - Value: 0.1 mg/kg
Target: Soil (agricultural) - Value: 0.196 mg/kg
Target: Freshwater sediments - Value: 1 mg/kg

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

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.

Thermal Hazards:

The product is flammable.

The product is not 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 gel, colorless	Visual	--
Odour:	Technical	Olfactory	--
Odour threshold:	Evident	Olfactory	--
pH:	6,5 +/- 0,5	Instrumental control	--
Melting point / freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Initial boiling point and boiling range:	Not applicable	--	Estimated value on chemical / physical properties of components
Flash point:	23 ° 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:	0.860 g/ml	Instrumental control	--
Solubility in water:	Completa	--	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:	12500 +/- 2500 cP	Instrumental control	--
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 scetion 7.2.

10.4. Conditions to avoid

Avoid direct sunlight and exposure to heat sources.
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.

ETHANOL - CAS: 64-17-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6200 mg/kg - Source: OECD401
Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/m3 - Source: OECD403
Test: LD50 - Route: Skin - Species: Rabbit = 20 g/kg

c) serious eye damage/irritation:
Test: Eye Irritant Positive - Source: OECD405
2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE - CAS: 102-71-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 7200 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative
d) respiratory or skin sensitisation:
Test: Skin or Resp. Sensitization Negative
e) germ cell mutagenicity:
Test: Mutagenesis Negative
f) carcinogenicity:
Test: Carcinogenicity Negative
TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER;
5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative
e) germ cell mutagenicity:
Test: Mutagenesis Negative - Source: Ames test
f) carcinogenicity:
Test: Carcinogenicity Negative
g) reproductive toxicity:
Test: Reproductive Toxicity Negative
h) STOT-single exposure:
Test: STOT Sing Negative
i) STOT-repeated exposure:
Test: Repeated exposure Positive - Notes: High conc - kidney

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.
ETHANOL - CAS: 64-17-5
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris
Endpoint: LC50 - Species: Fish = 13000 mg/l - Duration h: 96 - Notes: Salmo gairdneri
Endpoint: EC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna
2,2',2''-NITRILOTRIETHANOL; TRIETHANOLAMINE - CAS: 102-71-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 11800 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: EC50 - Species: Daphnia = 2038 mg/l - Duration h: 24 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae = 512 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus
TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.54 mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: EC50 - Species: Daphnia = 0.427 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae = 0.00161 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.0341 mg/l - Duration h: 2304 - Notes: Oncorhynchus mykiss
Endpoint: NOEC - Species: Daphnia = 0.04 mg/l - Duration h: 504 - Notes: Daphnia magna
c) Bacteria toxicity:
Endpoint: EC50 - Species: Microorganisms / Effect on activated sludge: = 11 mg/l - Duration h: 3
d) Terrestrial toxicity:
Endpoint: NOEC < 147 mg/kg - Duration h: 336 - Notes: Colinus virginianus

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.
ETHANOL - CAS: 64-17-5
Biodegradability: Readily biodegradable
TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5
Biodegradability: Not applicableTest: OECD 302B - Duration: 14 d - %: 99.4
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.
ETHANOL - CAS: 64-17-5

Bioaccumulation: Slightly bioaccumulative - Test: Kow - Partition coefficient -0.31 - TRICLOSAN; 2,4,4'-TRICHLORO-2'HYDROXY-DIPHENYL-ETHER; 5-CHLORO-2-(2,4-DICHLOROPHENOXY)PHENOL - CAS: 3380-34-5

Bioaccumulation: Bioaccumulative - Test: BCF - Bioconcentrantion factor 4157 - Duration: Not applicable - Notes: (35 (j))Brachydanio rerio

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.

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. Send to authorised disposal plants or for incineration under controlled conditions. 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:	1993
IATA-UN Number:	1993
IMDG-UN Number:	1993

14.2. UN proper shipping name

ADR-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (ethanol)
IATA-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (ethanol)
IMDG-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (ethanol)

14.3. Transport hazard class(es)

ADR-Class:	3
ADR-Label	3
ADR - Hazard identification number:	30
IATA-Class/Division:	3
IATA-Label:	3
IMDG-Class/Division:	3
IMDG-Label	3

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

ADR-Enviromental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant

14.6. Special precautions for user

ADR-Subsidiary risks:	-
ADR-S.P.:	274 601
ADR-Tunnel Restriction Code:	D/E
IATA-Passenger Aircraft:	355
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	-
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary risks:	-
IMDG-S.P.	223 274 955
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):

Not applicable

15.2. Chemical safety assessment

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

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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).
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.