Safety Data Sheet
STOVIGLIE

Safety Data Sheet dated 1/3/2024, version 1

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

1.1. Product identifier

Mixture identification

Trade name: STOVIGLIE

UFI: MPJ0-60V3-U003-X4G7

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

Recommended use:

Detergent for manual dishwashing.

Professional use (SU22) - Washing and cleaning products (PC35)

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.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

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

P280 Wear protective gloves and eye/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

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.

Special Provisions:

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

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May produce an allergic reaction.

Product contents:

anionic surfactants	5 - 15 %
amphoteric surfactants	< 5 %

The product also contains: Perfumes
Preservatives: METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, 2-BROMO-2-NITROPROPANE-1,3-DIOL
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Not Applicable, the product is a mixture.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
>= 1% - < 3% ALKYL ETHER SULFATE C12-14, SODIUM SALT
REACH No.: 01-2119488639-16, CAS: 68891-38-3, EC: 500-234-8


3.2/2 Skin Irrit. 2 H315


3.3/1 Eye Dam. 1 H318

4.1/C3 Aquatic Chronic 3 H412

Specific Concentration Limits:
5% <= C < 10%: Eye Irrit. 2 H319
C >= 10%: Eye Dam. 1 H318

>= 1% - < 3% Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts
CAS: 161074-79-9, EC: 931-956-5


3.3/1 Eye Dam. 1 H318

4.1/C3 Aquatic Chronic 3 H412


3.2/2 Skin Irrit. 2 H315

Specific Concentration Limits:
C >= 10%: Eye Dam. 1 H318
5% <= C < 10%: Eye Irrit. 2 H319

>= 1% - < 3% BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS
REACH No.: 01-2119489428-22, CAS: 68411-30-3, EC: 270-115-0


3.1/4/Oral Acute Tox. 4 H302

4.1/C3 Aquatic Chronic 3 H412


3.2/2 Skin Irrit. 2 H315


3.3/1 Eye Dam. 1 H318

< 0.0015% METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE
Index number: 613-167-00-5, CAS: 55965-84-9


3.1/2/Inhal Acute Tox. 2 H330


3.1/2/Dermal Acute Tox. 2 H310


3.1/3/Oral Acute Tox. 3 H301


3.2/1C Skin Corr. 1C H314


3.3/1 Eye Dam. 1 H318


3.4.2/1A Skin Sens. 1A H317


4.1/A1 Aquatic Acute 1 H400 M=100.


4.1/C1 Aquatic Chronic 1 H410 M=100.

EUH071

Specific Concentration Limits:
C >= 0,6%: Eye Dam. 1 H318
C >= 0,6%: Skin Corr. 1C H314
0,06% <= C < 0.6%: Skin Irrit. 2 H315
0,06% <= C < 0.6%: Eye Irrit. 2 H319
C >= 0,0015%: Skin Sens. 1A H317

Acute Toxicity Estimate:
ATE - Oral 100 mg/kg bw
ATE - Dermal 50 mg/kg bw
ATE - Inhalation (Dust/mist) 0,31 mg/l

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

Acute effects:
Skin and eye irritation for contact
Irritation interior system if swallowed.

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:
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 mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (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

For non emergency personnel:
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
For emergency responders:
Wear personal protection equipment.

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.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and well ventilated place.
Store away from sunlight.
Do not store in open or unlabeled containers.
Store away from heat sources.
Keep away from food, drink and feed.
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.
None in particular.
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. elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.
No occupational exposure limit available

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.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

Worker Industry: 2750 mg/kg - Consumer: 1650 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 175 mg/m3 - Consumer: 52 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 15 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Industry: 0.079 mg/cm2 - Consumer: 0.132 mg/cm2 - Exposure: Human Dermal - Frequency: Long Term, local effects

Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts - CAS: 161074-79-9

Worker Professional: 2750 mg/kg - Consumer: 1650 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: In riferimento a peso corporeo e giorno
Worker Professional: 175 mg/m3 - Consumer: 52 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 0.132 mg/cm2 - Exposure: Human Dermal - Frequency: Long Term, local effects
Consumer: 15 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: In riferimento a peso corporeo e giorno
Consumer: 0.079 mg/cm2 - Exposure: Human Oral - Frequency: Long Term, systemic effects

BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS - CAS: 68411-30-3

Worker Professional: 85 mg/kg - Consumer: 42.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 6 mg/m3 - Consumer: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.425 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 6 mg/m3 - Consumer: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local 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.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

Target: Marine water - Value: 0.024 mg/l
Target: Microorganisms in sewage treatments - Value: 10000 mg/l
Target: Marine water sediments - Value: 0.09168 mg/kg
Target: Soil (agricultural) - Value: 7.5 mg/kg
Target: Freshwater sediments - Value: 0.9168 mg/kg
Target: Fresh Water - Value: 0.24 mg/l

Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts - CAS: 161074-79-9

Target: Marine water - Value: 0.024 mg/l
Target: Fresh Water - Value: 0.24 mg/l
Target: Freshwater sediments - Value: 0.916 mg/kg
Target: Marine water sediments - Value: 0.092 mg/kg

BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS - CAS: 68411-30-3

Target: Marine water - Value: 0.0268 mg/l
Target: Fresh Water - Value: 0.268 mg/l
Target: Marine water sediments - Value: 8.1 mg/kg
Target: Freshwater sediments - Value: 8.1 mg/kg
Target: Microorganisms in sewage treatments - Value: 3.43 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. (ex. 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 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:

The product is not dangerous for the environment - see section 2.1.

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

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:
Physical state:	Liquid	Visual	--
Colour:	Green	Visual	--
Odour:	Citrus	Olfactory	--
Odour threshold:	Evident	Olfactory	--
Melting point/freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	>= 100 °C	--	Estimated value on chemical / physical properties of components
Flammability:	Non-flammable	--	Estimated parameter on chemical / physical properties of components.
Lower and upper explosion limit:	Not Relevant	--	Parameter not relevant for the type of product
Flash point:	> 60 ° C	--	Estimated value on chemical / physical properties of components
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
pH:	6,0 +/- 0,5	Instrumental control	--
Kinematic viscosity:	500 +/- 200 cP	Instrumental control	--
Solubility in water:	Total	--	Internal tests
Solubility in oil:	Partial	--	Internal tests
Partition coefficient n-octanol/water (log value):	< 1000	--	Value estimated based on the solubility of the mixture.
Vapour pressure:	Not Relevant	--	Parameter not relevant for the type of product
Density and/or relative density:	1.025 g/ml	Instrumental control	--
Relative vapour density:	Not Relevant	--	Parameter not relevant for the type of product
Particle characteristics:			
Particle size:	Not Relevant	--	Parameter not relevant for the type of product

9.2. Other information

No other relevant information

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.
Do not use in combination with other products.

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.
In normal conditions no dangerous reactions of the mixture

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2
Avoid direct sunlight and exposure to heat sources.

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.
Do not use in combination with other products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

STOVIGLIE

a) acute toxicity

Not classified
Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified
Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

Not classified
Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified
Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified
Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified
Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified
Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified
Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

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

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

a) acute toxicity:

Test: LD50 - Route: Oral > 2870 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin > 2000 mg/kg - Source: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin Positive - Source: OECD 404

c) serious eye damage/irritation:

Test: Eye Corrosive Positive - Source: OECD 405

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization Negative - Source: OECD 406

e) germ cell mutagenicity:

Test: Mutagenesis Negative - Source: Ames Test

Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts - CAS: 161074-79-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit 4

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization Negative

e) germ cell mutagenicity:

Test: Genotoxicity - Species: Salmonella Typhimurium Negative

BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS - CAS: 68411-30-3

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 1080 mg/kg

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) acute toxicity

ATE - Oral 100 mg/kg bw

ATE - Dermal 50 mg/kg bw

ATE - Inhalation (Dust/mist) 0,31 mg/l

Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.31 mg/l - Duration: 4h

Test: ATE - Route: Skin - Species: Rat = 50 mg/kg

Test: ATE - Route: Oral - Species: Rat = 100 mg/kg

b) skin corrosion/irritation:

Test: Skin Corrosive Positive

c) serious eye damage/irritation:

Test: Eye Corrosive Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization Positive

e) germ cell mutagenicity:

Negative

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
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.

STOVIGLIE

Not classified for environmental hazards
Based on available data, the classification criteria are not met

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 7.1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 7.4 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 27.7 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.14 mg/l - Duration h: 672
Endpoint: NOEC - Species: Daphnia = 0.27 mg/l - Duration h: 504
Endpoint: NOEC - Species: Algae = 0.95 mg/l - Duration h: 72

Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts - CAS: 161074-79-9

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1 mg/l
Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 1 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
Endpoint: EC20 - Species: Fish = 1.2 mg/l
Endpoint: NOEC - Species: Daphnia = 0.27 mg/l - Duration h: 504
Endpoint: NOEC - Species: Algae = 0.95 mg/l - Duration h: 72

c) Bacteria toxicity:
Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: > 10000 mg/l - Notes: Pseudomonas putida

BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS - CAS: 68411-30-3

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1.67 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 2.9 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.91 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.23 mg/l - Duration h: 1728
Endpoint: NOEC - Species: Daphnia = 0.5 mg/l - Duration h: 168
Endpoint: NOEC - Species: Algae = 0.5 mg/l - Duration h: 96

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.58 mg/l - Duration h: 96 - Notes: Danio Rerio
Endpoint: EC50 - Species: Daphnia = 1.02 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae = 0.379 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: EC10 - Species: Algae = 0.188 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.5 mg/l - Duration h: 816 - Notes: Danio Rerio
Endpoint: NOEC - Species: Algae = 0.032 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

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.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

Biodegradability: Persistence

Alcohols, C12-13-ramified and linear, ethoxylated, sulphated, sodium salts - CAS: 161074-79-9
Biodegradability: Readily biodegradable
BENZENESULFONIC ACID, C10-13-ALKYL DERIVATIVES,SODIUM SALTS - CAS: 68411-30-3
Biodegradability: Readily biodegradable

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.
Not applicable

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. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%

12.7. 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 or ID number
Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No

14.6. Special precautions for user
Not applicable

14.7. Maritime transport in bulk according to IMO instruments
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) n. 2020/878
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)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 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 :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

None

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.
A Chemical Safety Assessment has been carried out for the mixture.
No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
H302 Harmful if swallowed.

H330 Fatal if inhaled.
H310 Fatal in contact with skin.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	Code	Description
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	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.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.
NOEC:	No Observed Effect Concentration
NOAEL(R)/NOAEC:	No Observed Adverse Effect Level(Repeated)/Concentration
OECD:	Organisation for Economic Co-operation and Development
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

ANNEX I

PROFESSIONAL PRODUCT – LAUNDRY or AUTOMATIC DISHWASH DETERGENT

Title of exposure scenario	
Detergent for general cleaning: Manual or machine process.	
Use description	
Sector Use	SU22 – Professional use
Product Category	PC35 – Washing and cleaning products (including solvent based products)
Description of activities/process considered on exposure scenario.	
Use the recommended dose according to water hardness and degree of soiling, following the instructions on the label or technical data sheet.	
Frequency and duration	
Use phase	1 or more times a day. Duration depends on washing program.
Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.	
Physical appearence and concentration	
Liquid or powder. To dilute.	
In section 2 of the SDS of product and on the label the classification of mixture is provided.	
Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.	
Use conditions	
Room temperature /for recommended washing temperature see label or tecnica sheet.	
Protezione	
See section 8 of the SDS of product to more information on PPE.	Training of worker to use and maintenance of PPE is supposed.
Don’t eat or drink, don’t smoke.	Avoid contact with damaged skin.
No open flame.	Do not use in combination with other products
Wash hand after use.	
In case of accidental release: dilute with water and dry.	
Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS.	
Environmental measures	
See section 6 of the SDS in case of accidental release	
See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.	
See section 13 of the SDS for disposal considerations.	

Note:
SDS: Safety Data Sheet
PPE: Personal Protection Equipment