

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

CLEAMEN 147

Date of issue:

12. 02. 2021

Version: 1.0

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

1.1. Product identifier

Product Name

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UFI code

UFI: 3190-Y002-F004-8VC8

Product code

None

Mixture description

Water solution.

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

Identified uses

A product designed for machine and manual washing of waterproof floor coverings with a pleasant perfume. For professional use only.

Uses advised against

Not recommended for use on untreated wood.

It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

1.3. Details of the supplier of the safety data sheet

CORMEN s.r.o.

Průmyslová 1420

593 01 Bystřice nad Pernštejnem

Czech Republic

telephone: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: info@cormen.cz

1.4. Emergency telephone number

112 (General emergency phone).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

Classification according to 1272/2008/EC

Met. Corr. 1; H290

Eye Dam. 1; H318

Aquatic Chronic 3; H412

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Full text of classifications and H-phrases: see section 16.

The most important adverse physical, human health and environmental effects

May be corrosive to metals. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms



Signal word

Danger.

Substances of the mixture to be placed on the label

Contains Alcohols, C10-12, ethoxylated propoxylated, N,N-Dimethyldecylamine N-oxide, Sodium etasulfate, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

Hazard statements

- | | |
|------|--|
| H290 | May be corrosive to metals. |
| H318 | Causes serious eye damage. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|---|
| P234 | Keep only in original packaging. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/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. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P501 | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

Supplemental hazard information

EUH208 - Contains Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Composition according to regulation 648/2004/EC on detergents: ≥ 5 - < 15 % non-ionic surfactants, < 5 % anionic surfactants and perfumes.

2.3. Other hazards

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Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation., Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

3.2.1. Substances of a mixture classified as hazardous

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
Alcohols, C10-12, ethoxylated propoxylated		
CAS Number	68154-97-2	
EC Number	935-033-8	
Index Number	not given	
Registration Number	is not subject to registration, it is a polymer	
	≤ 5	Acute Tox. 4; H302 Eye Dam. 1; H318
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		
CAS Number	51981-21-6	
EC Number	257-573-7	
Index Number	not given	
Registration Number	01-2119493601-38-XXXX	
	< 2.5	Met. Corr. 1; H290
Met. Corr. 1; H290 only applies to aqueous solutions.		
N,N-Dimethyldecylamine N-oxide		
CAS Number	2605-79-0	
EC Number	220-020-5	
Index Number	not given	
Registration Number	01-2119959297-22-XXXX	
	< 2.5	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M=1
Sodium etasulfate		
CAS Number	126-92-1	
EC Number	204-812-8	
Index Number	not given	
Registration Number	01-2119971586-23-XXXX	
	< 1.5	Skin Irrit. 2; H315 Eye Dam. 1; H318
The substance has a bulk density ≥ 400 g/l.		
The substance has specific concentration limits:		
Eye Dam. 1; H318	C ≥ 20 %	
Eye Irrit. 2; H319	10 % ≤ C < 20 %	
Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		

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CAS Number	not given		Skin Irrit. 2; H315
EC Number	915-730-3		Skin Sens. 1B; H317
Index Number	not given	≤ 0.2	Aquatic Chronic 1; H410
Registration Number	01-2119489989-04-XXXX		M(Chronic) = 1

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

			Acute Tox. 3; H301
			Acute Tox. 2; H310
			Skin Corr. 1C; H314
			Eye Dam. 1; H318
CAS Number	55965-84-9		Skin Sens. 1A; H317
EC Number	not given	≤ 0.0012	Acute Tox. 2; H330
Index Number	613-167-00-5		Aquatic Acute 1; H400
Registration Number	not yet available		Aquatic Chronic 1; H410
			EUH071
			M=100
			M(Chronic)=100

The substance has specific concentration limits:

Skin Corr. 1C; H314	C ≥ 0.6 %
Eye Dam. 1; H318	C ≥ 0.6 %
Skin Irrit. 2; H315	0.06 % ≤ C < 0.6 %
Eye Irrit. 2; H319	0.06 % ≤ C < 0.6 %
Skin Sens. 1A; H317	C ≥ 0.0015 %

Full text of classifications and H-phrases: see section 16.

SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

4.1. Description of first aid measures

Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. If pain or redness persists, seek medical advice.

Ingestion

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

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Are not known.

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

Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Small fire:

Carbon dioxide CO₂, dry extinguishing agent, sand or earth, alcohol-resistant foam.

Extensive fire:

Fragmented water streams (water mist), alcohol-resistant foam.

Unsuitable extinguishing media

Solid streams of water may be ineffective.

5.2. Special hazards arising from the substance or mixture

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, nitrogen oxides, ammonia, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

6.3. Methods and material for containment and cleaning up

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapor and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

7.3. Specific end use(s)

Non-foaming, with excellent washing properties, for floors such as vinyl, PVC, granite, terrazzo, marble, sandstone, tiles, marmoleum, terracotta, etc. It can also be successfully used for washing vertical tiling surfaces with mops.

It can be used in all areas of cleaning such as shopping centers, office buildings, education, healthcare, social care institutions and industry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure limit value

Not determined.

8.1.2. Biological limit values

Not determined in EU.

8.1.3. DNEL and PNEC values

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate CAS: 51981-21-6

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	7.3 mg/m ³
Workers	Dermal	Systemic effect	Long term	15 000 mg/kg/day
General population	Inhalation	Systemic effect	Long term	1.8 mg/m ³
General population	Dermal	Systemic effect	Long term	7 500 mg/kg/day
General population	Oral	Systemic effect	Long term	1.5 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
9.45 mg/l	0.945 mg/l	0.953 mg/l	0.095 mg/l	41.2 mg/l

PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
not given	not given	no effect	0.5 mg/kg	67 mg/kg food

N,N-Dimethyldecylamin N-oxid CAS: 2605-79-0

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DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	6.2 mg/m ³
Workers	Dermal	Systemic effect	Long term	11 mg/kg/day
General population	Inhalation	Systemic effect	Long term	1.53 mg/m ³
General population	Dermal	Systemic effect	Long term	5.5 mg/kg/day
General population	Oral	Systemic effect	Long term	0.44 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.034 mg/l	0.003 mg/l	0.034 mg/l	0.003 mg/l	4.59 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
5.24 mg/kg	0.524 mg/kg	no effect	1.02 mg/kg	11.1 mg/kg food
Sodium etasulfate				CAS: 126-92-1
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	285 mg/m ³
Workers	Dermal	Systemic effect	Long term	4 060 mg/kg/day
General population	Inhalation	Systemic effect	Long term	85 mg/m ³
General population	Dermal	Systemic effect	Long term	2 440 mg/kg/day
General population	Oral	Systemic effect	Long term	24 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.136 mg/l	0.014 mg/l	4.83 mg/l	not given	1.35 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
1.5 mg/l	0.15 mg/kg	no effect	0.22 mg/kg	no effect
Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3				
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	30 mg/m ³
Workers	Dermal	Systemic effect	Long term	28.7 mg/kg/day
Workers	Dermal	Local effect	Long term	648 µg/cm ²

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General population	Inhalation	Systemic effect	Long term	9 mg/m ³
General population	Dermal	Systemic effect	Long term	17.2 mg/kg/day
General population	Dermal	Local effect	Long term	380 µg/cm ²
General population	Oral	Systemic effect	Long term	3 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
4.4 µg/l	0.44 µg/l	not given	not given	10 mg/l

PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
3.73 mg/kg	0.75 mg/kg	not effect	2.7 mg/kg	26.7 mg/kg food

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.

8.2.2. Individual protection measures, such as personal protective equipment

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

Eye/face protection

Wear safety glasses or face shield.

Skin protection - hand protection

Wear protective gloves.

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

Skin protection - other

Suitable protective working clothing and footwear.

Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator against organic vapour). In the event of an accident or a fire use self-contained breathing apparatus.

Thermal hazards

In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Mixture	
Physical state	Liquid.
Colour	Colourless.
Odour	Characteristic.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.
Lower explosion limit	Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.
Upper explosion limit	Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.
Flash point	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined, the mixture does not contain self-reactive substances or organic peroxides.
pH	9.8 (concentrate). 7.5 (1% solution).
Kinematic viscosity	Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %.
Solubility	Miscible.
Partition coefficient n-octanol/water (log value)	Does not apply to mixture.
Vapour pressure	Not determined.
Density and/or relative density	1.0546 g/cm ³ (23 °C).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	CAS: 51981-21-6
Physical state	Solid.
Colour	White to off-white.
Odour	Odourless.
Melting point/freezing point	> 280 °C (decomposition, OECD 102).

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Boiling point or initial boiling point and boiling range	Not determined, substance decomposes.
Flammability	Non-flammable solid. The substance is not classified as flammable (UN-N1 test), pyrophoric (UN-N2 and N4 test) or emit flammable gases under standard conditions (UN-N5 test).
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	460 °C (IEC 1241-2-1).
Decomposition temperature	280 °C (OECD 102).
pH	Not determined.
Kinematic viscosity	Does not apply to solid.
Solubility	65 wt. % (21 °C, pH = 7, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow < 0 (27 °C, pH = 7, OECD 117).
Vapour pressure	0.8 mbar (20 °C)
Density and/or relative density	$D_4^{20} = 1.466$ (OECD 109).
Relative vapour density	Does not apply to solid.
Particle characteristics	D10 = 6.9 µm (NEN-ISO 13320). D50 = 51.5 µm (NEN-ISO 13320). D90 = 164 µm (NEN-ISO 13320). Size < 100 µm, distribution 70.4 % (NEN-ISO 13320).
N,N-Dimethyldecylamin N-oxid	CAS: 2605-79-0
Physical state	Solid.
Colour	White.
Odour	Not determined.
Melting point/freezing point	133 -136 °C (literature).
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	The substance is not classified as flammable (EU method A.10).
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	Does not apply to solid.
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.

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<i>Kinematic viscosity</i>	Does not apply to solid.
<i>Solubility</i>	409.5 g/l.
<i>Partition coefficient n-octanol/water (log value)</i>	log Pow = 0.95 (calculation)
<i>Vapour pressure</i>	0 Pa (25 °C, calculation)
<i>Density and/or relative density</i>	$D_4^{23} = 0.716$ (EU method A.3).
<i>Relative vapour density</i>	Does not apply to solid.
<i>Particle characteristics</i>	Not determined.
Sodium etasulfate CAS: 126-92-1	
<i>Physical state</i>	Solid.
<i>Colour</i>	Not determined.
<i>Odour</i>	Not determined.
<i>Melting point/freezing point</i>	> 181 °C (decomposition, OECD 102).
<i>Boiling point or initial boiling point and boiling range</i>	Not determined, substance decomposes.
<i>Flammability</i>	The substance with bulk density ≥ 400 g/l is not classified as flammable.
<i>Lower explosion limit</i>	Does not apply to solid.
<i>Upper explosion limit</i>	Does not apply to solid.
<i>Flash point</i>	Does not apply to solid.
<i>Auto-ignition temperature</i>	Not determined, the heating temperature of the substance is higher than 400 °C (EU method A.16).
<i>Decomposition temperature</i>	181 °C (OECD 102).
<i>pH</i>	Not determined.
<i>Kinematic viscosity</i>	Does not apply to solid.
<i>Solubility</i>	> 500 g/l (20 °C, pH = 7.3, OECD 105).
<i>Partition coefficient n-octanol/water (log value)</i>	log Pow = -0.248 (25 °C, pH = 8.97 – 8.98, OECD 123).
<i>Vapour pressure</i>	≤ 1.2 Pa (20 °C, OECD 104)
<i>Density and/or relative density</i>	$D_4^{20} = 1.268$ (OECD 109).
<i>Relative vapour density</i>	Does not apply to solid.
<i>Particle characteristics</i>	Not determined.
Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3	
<i>Physical state</i>	Liquid.
<i>Colour</i>	Clear.
<i>Odour</i>	Fragrance like.
<i>Melting point/freezing point</i>	< -20 °C (OECD 102).

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Boiling point or initial boiling point and boiling range	290.4 °C (OECD 103).
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	134 °C (EU method A.9).
Auto-ignition temperature	260 °C (EU method A.15).
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.
Solubility	2.68 mg/l (20 °C, pH = 6.59 - 6.69, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow = 5.6 (30 °C, OECD 117).
Vapour pressure	0.233 Pa (23 °C, OECD 104).
Density and/or relative density	$D_4^{20} = 0.964$ (OECD 109).
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Mixture

Explosives

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

Data for the mixture are not available.

The mixture does not contain substances classified as flammable liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

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Flammable solids

It is not solid.

Self-reactive substances and mixtures

Data for the mixture are not available.

The mixture does not contain substances classified as self-reactive substances or explosives or organic peroxides or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Pyrophoric liquids

Data for the mixture are not available.

The mixture does not contain substances classified as pyrophoric liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the mixture are not available.

The mixture does not contain substances classified as self-heating or pyrophoric substances or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Substances and mixtures, which emit flammable gases in contact with water

Data for the mixture are not available.

The mixture does not contain substances classified as substances, which emit flammable gases in contact with water or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Oxidising liquids

Data for the mixture are not available.

The mixture does not contain substances classified as oxidising liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the mixture are not available.

The mixture does not contain substances classified as organic peroxides or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Corrosive to metals

Data for the mixture are not available.

The mixture is classified as corrosive to metal category 1, due to the content of the substance so classified.

Desensitised explosives

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or desensitised explosives, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

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Flammable gases
It is not gas.
Aerosols
It is not aerosol.
Oxidising gases
It is not gas.
Gases under pressure
It is not gas.
Flammable liquids
It is not liquid.
Flammable solids
The substance is not classified as flammable solid (UN-N1 test).
Self-reactive substances and mixtures
Data for the substance are not available. The substance does not contain chemical groups associated with explosive or self-reactive properties.
Pyrophoric liquids
It is not liquid.
Pyrophoric solids
The substance is not classified as pyrophoric solid (UN-N2 and N4 test).
Self-heating substances and mixtures
Data for the substance are not available. The substance is not classified as self-heating.
Substances and mixtures, which emit flammable gases in contact with water
The substance is not classified as substances, which emit flammable gases in contact with water (UN-N5 test). The substance is soluble in water and forms a stable mixture with it.
Oxidising liquids
It is not liquid.
Oxidizing solids
Data for the substance are not available. It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.
Organic peroxides
Data for the substance are not available. The substance does not contain a bivalent group -O-O- with at least one organic radical.
Corrosive to metals
Data for the substance are not available. Aqueous solutions are classified as corrosive to metal category 1.
Desensitised explosives

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Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

Explosives

Data for the substance are not available.

The substance contains chemical groups associated with explosive properties, but the calculated oxygen balance is less than -200.

Calculated oxygen balance = - 290.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

The substance is not classified as flammable solid (EU method A.10).

Self-reactive substances and mixtures

Data for the substance are not available.

The substance is not classified as self-reactive.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

Oxidising liquids

It is not liquid.

Oxidizing solids

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Data for the substance are not available.

It is an organic substance does not contain chemical groups associated with oxidising properties.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance is not classified as explosive or desensitised explosive.

Sodium etasulfate

CAS: 126-92-1

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

It is not solid.

The substance with bulk density ≥ 400 g/l is not classified as flammable solid. The substance with bulk density < 400 g/l is classified as flammable solid category 1 (EU method A.10).

Self-reactive substances and mixtures

Data for the substance are not available.

The substance is not classified as self-reactive.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Self-heating substances and mixtures

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Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is soluble in water and forms a stable mixture with it.

Oxidising liquids

It is not liquid.

Oxidizing solids

Data for the substance are not available.

It is an organic substance does not contain chemical groups associated with oxidising properties.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3 and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

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Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

The substance is miscible with water and forms a stable mixture with it.

Oxidising liquids

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

Oxidizing solids

It is not solid.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

9.2.2. Other safety characteristics

Mechanical sensitivity	Not determined, it is not an explosive substance.
Self-accelerating polymerisation temperature	Not determined, it is not a polymerising substance.
Formation of explosible dust/air mixtures	Not determined, it is not a dust.
Acid/alkaline reserve	Not determined, pH is in the range 4 - 10.
Evaporation rate	Not determined.
Miscibility	Not determined.
Conductivity	Not determined.
Corrosiveness	Not determined.
Gas group	Not determined, it is not gas.

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Redox potential	Not determined.
Radical formation potential	Not determined.
Photocatalytic properties	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Burning releases carbon oxides, nitrogen oxides, ammonia, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

SECTION 11: Toxicological information

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

Mixture

Acute toxicity

Oral Data for the mixture are not available.
The mixture is not classified by the additive formula.
ATE_{mixture} > 9 732 mg/kg.

Dermal Data for the mixture are not available.
ATE_{mixture} > 5 000 mg/kg (estimate, low concentration of substance classified as toxic dermal route of exposure).

Inhalation Data for the mixture are not available.
ATE_{mixture} > 20 mg/l (estimate, low concentration of substance classified as toxic inhalation route of exposure).

Skin corrosion/irritation

Data for the mixture are not available.
The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

Serious eye damage/irritation

Data for the mixture are not available.
The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

Respiratory or skin sensitisation

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Data for the mixture are not available.

The mixture is not classified as a skin sensitizing according to the general/specific concentration limits of substance(s).

EUH208 - Contains Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Germ cell mutagenicity

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Carcinogenicity

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Reproductive toxicity

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

STOT – single exposure

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

STOT – repeated exposure

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Aspiration hazard

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Other information

See section 2 and 4.

Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

Acute toxicity

Oral The substance is classified in category 4.
LD₅₀ = 950 mg/kg (rat, OECD 401).

Dermal Data for the substance are not available.

Inhalation Data for the substance are not available.

Skin corrosion/irritation

Data for the substance are not available.

Serious eye damage/irritation

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The substance classified as seriously damaging to the eyes (OECD 405).

Respiratory or skin sensitisation

Data for the substance are not available.

Germ cell mutagenicity

Data for the substance are not available.

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Data for the substance are not available.

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ > 2 000 mg/kg (rat, EU method B.1).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 2 000 mg/kg (rabbit, OECD 402).

Inhalation Based on available data, the classification criteria are not met.
LC₅₀ > 4.2 mg/l (aerosol, rat, 4 hrs, no death is observed).

Skin corrosion/irritation

Based on available data, the classification criteria are not met.
Overall irritation score = 0 (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.
Mean score of corneal opacity = 0, iritis = 0, conjunctival redness = 0.11 (fully reversible after 2 days), conjunctival oedema = 0 (rabbit, 72 hrs., OECD 405).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.
Not skin sensitising (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

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Reproductive toxicity

Based on available data, the classification criteria are not met.

NOAEL = 5 000 ppm (increased kidney weight and minimal to slight histopathological renal changes, rat, oral, generation P0, OECD 416).

NOAEL ≥ 15 000 ppm (rat, oral, generation F1, OECD 416).

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 300 mg/kg/day (haematology; clinical chemistry; urinalysis; organ weights, rat, oral, 90 d., OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

Acute toxicity

Oral

The substance is classified in category 4.

LD₅₀ > 300 - < 2 000 mg/kg (rat, female).

ATE = 500 mg/kg (for calculation by additive formula).

Dermal

Based on available data, the classification criteria are not met.

LD₅₀ > 2 000 mg/kg (rat).

Inhalation

Data for the substance are not available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Mean erythema score = 1 (fully reversible after 7 days) and oedema = 0 (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

The substance classified as seriously damaging to the eyes.

Mean irritation score = 16,3 (chicken, Hen's Egg Test - Chorioallantoic Membrane (HET-CAM) Test Method).

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Negative (OECD 471, EU method B.17, OECD 487).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Based on available data, the classification criteria are not met.

NOAEL = 40 mg/kg/day (rat, oral, generation P0, OECD 422).

NOAEL = 100 mg/kg/day (rat, oral, generation F1, OECD 422).

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STOT – single exposure	
Data for the substance are not available.	
STOT – repeated exposure	
Based on available data, the classification criteria are not met. NOAEL = 88 mg/kg/day (rat, oral, 90 days, OECD 408).	
Aspiration hazard	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm ² /s or less at 40 °C.	
Sodium etasulfate	CAS: 126-92-1
Acute toxicity	
Oral	Based on available data, the classification criteria are not met LD ₅₀ = 2 800 mg/kg (rat, OECD 401).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 2 000 mg/kg (read-across (sodium octylsulfate), rabbit, OECD 402).
Inhalation	Data for the substance are not available.
Skin corrosion/irritation	
The substance classified as skin irritant. Mean erythema score = 3 (not fully reversible after 14 days) and oedema = 2; 3,3; 3 (not fully reversible after 14 days) (rabbit, 72 hrs., OECD 404).	
Serious eye damage/irritation	
The substance classified as seriously damaging to the eyes. Mean score of corneal opacity = 1.33 (not fully reversible after 8 days), iritis = 1.0 (fully reversible after 8 days), conjunctival redness = 1.23 (not fully reversible after 8 days), conjunctival oedema = 0.89 (not fully reversible after 8 days) (rabbit, 72 h, OECD 405).	
Respiratory or skin sensitisation	
Based on available data, the classification criteria are not met. The substance is not classified as skin sensitising (mouse, OECD 429).	
Germ cell mutagenicity	
Based on available data, the classification criteria are not met. Negative (OECD 471, OECD 473, OECD 476).	
Carcinogenicity	
Based on available data, the classification criteria are not met. NOAL > 1 125mg/kg/day (rat, oral, OECD 453).	
Reproductive toxicity	
Data for the substance are not available.	
STOT – single exposure	
Data for the substance are not available.	
STOT – repeated exposure	

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Based on available data, the classification criteria are not met.

NOAEL = 488 mg/kg/day (rat, oral, 90 d., OECD 408).

LOAEL = 1 016 mg/kg/day (rat, oral, 90 d., OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3 and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

Acute toxicity

Oral Based on available data, the classification criteria are not met
LD₅₀ > 5 000 mg/kg (rat).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 5 000 mg/kg (rat).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

Classified as irritating to the skin - mean tissue viability is 55 % (OECD 439).

Serious eye damage/irritation

Based on available data, the classification criteria are not met.
No effect on the eye (Q)SAR method.

Respiratory or skin sensitisation

Skin sensitising category 1B (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

NOAEL = 120 mg/kg/day (hematology, clinical biochemistry, ratio of organ weight to body weight, histopathology: neoplastic, oral, rat, 90 d, OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

11.2. Information on other hazards

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Mixture do not contain substance(s) meets meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

SECTION 12: Ecological information

12.1. Toxicity

Mixture

Data for the mixture are not available.

Acute aquatic toxicity

The mixture is not classified as acute aquatic toxicity based on calculation according to the summation method.

category 1

$\Sigma < 2.62$

Chronic aquatic toxicity

The mixture classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.

Sum of concentration	EqNOEC _m	Classification	M-factor	
< 2.7 wt. %	0.026 mg/l	Aquatic Chronic 2; H411	not relevant	
category	1	2	3	4
Σ	0.12	< 3.9	< 39	not relevant

Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

The substance is not classified as hazardous for the aquatic environment.

Fish

Data for the substance are not available.

Crustaceans

EC₅₀, 48 hrs., Daphnia Magna: 12 mg/l (OECD 202).

Algae

Data for the substance are not available.

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

The substance is not classified as hazardous for the aquatic environment.

Fish

LC₅₀, 96 hrs., Oncorhynchus mykiss: > 95.26 mg/l (mortality, OECD 203).

NOEC, 9 d., Brachydanio rerio: 94.55 mg/l (number hatched, OECD 212).

Crustaceans

EC₅₀, 48 hrs., Daphnia Magna: > 95.26 mg/l (mobility, OECD 202).

NOEC, 21 d., Daphnia Magna: \geq 248.4 mg/l (reproduction, OECD 211).

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Algae	
EC ₅₀ , 72 hrs., <i>Desmodesmus subspicatus</i> : ≥ 94.99 mg/l (OECD 201).	
N,N-Dimethyldecylamin N-oxid	CAS: 2605-79-0
The substance is classified as Aquatic Acute 1; H400 (M = 1) and Aquatic Chronic 2; H411.	
Fish	
LC ₅₀ , 96 hrs., <i>Danio rerio</i> : 31.8 mg/l (mortality). NOEC, 15 d., <i>Pimephales promelas</i> : 0.495 mg/l (survival and mean length).	
Crustaceans	
EC ₅₀ , 48 hrs., <i>Daphnia Magna</i> : 2.9 mg/l (mobility). NOEC, 21 d., <i>Daphnia Magna</i> : 0.7 mg/l.	
Algae	
EC ₅₀ , 72 hrs, <i>Pseudokirchneriella subcapitata</i> : 0.205 mg/l (biomass). EC ₅₀ , 72 hrs, <i>Pseudokirchneriella subcapitata</i> : 0.266 mg/l (growth rate). NOEC, 72 hrs, <i>Pseudokirchneriella subcapitata</i> : 0.078 mg/l (growth rate).	
Sodium etasulfate	CAS: 126-92-1
The substance is not classified as hazardous for the aquatic environment.	
Fish	
LC ₅₀ , 96 hrs., <i>Danio rerio</i> : > 100 mg/l (read-across (sodium octylsulfate), mortality, OECD 203). NOEC, 42 d., <i>Pimephales promelas</i> : ≥ 1 357 mg/l (mortality).	
Crustaceans	
EC ₅₀ , 48 hrs., <i>Daphnia Magna</i> : 483 mg/l (mobility, EU method C.2). NOEC, 21 d., <i>Daphnia Magna</i> : 1.4 mg/l (reproduction, OECD 211).	
Algae	
EC ₅₀ , 72 hrs., <i>Desmodesmus subspicatus</i> : > 511 mg/l (growth rate, EU method C.3). EC ₅₀ , 72 hrs., <i>Desmodesmus subspicatus</i> : 511 mg/l (biomass, EU method C.3). EC ₁₀ , 72 hrs., <i>Desmodesmus subspicatus</i> : 199 mg/l (growth rate, EU method C.3). EC ₁₀ , 72 hrs., <i>Desmodesmus subspicatus</i> : 133 mg/l (biomass, EU method C.3). NOEC, 72 hrs, <i>Desmodesmus subspicatus</i> : 103 mg/l (biomass, EU method C.3).	
Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EC: 915-730-3	
The substance is classified as Aquatic Chronic 1; H410 (M=1).	
Fish	
LC ₅₀ , 96 hrs., <i>Lepomis macrochirus</i> : 1.3 mg/l (mortality). NOEC, 30 d., <i>Danio rerio</i> : 0.16 mg/l (length and weight). NOEC, 30 d., <i>Danio rerio</i> : 0.3 mg/l (survival after hatching). NOEC, 30 d., <i>Danio rerio</i> : 0.54 mg/l (egg survival, hatching time).	
Crustaceans	

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EC₅₀, 48 hrs., Daphnia Magna: 1.38 mg/l (mobility).
NOEC, 21 d., Daphnia Magna: 0.028 mg/l (reproduction).
NOEC, 21 d., Daphnia Magna: 0.096 mg/l (length).
NOEC, 21 d., Daphnia Magna: 0.448 mg/l (mortality).

Algae

EC₅₀, 72 hrs., Desmodesmus subspicatus: > 2.6 mg/l (growth rate).
EC₅₀, 72 hrs., Desmodesmus subspicatus: > 2.6 mg/l (biomass).
NOEC, 72 hrs., Desmodesmus subspicatus: ≥ 2.6 mg/l (growth rate).

12.2. Persistence and degradability

Mixture

Data for the mixture are not available.

The surfactants contained in this preparation in accordance with the biodegradability criteria according to Regulation (EC) No. 648/2004 on detergents.

Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

Readily biodegradable: 93 % after 28 days (removal of dissolved organic carbon, OECD 302).

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

Readily biodegradable: 76 % after 28 days (O₂ consumption, OECD 301 D).

N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

Readily biodegradable: 97 % after 28 days (removal of dissolved organic carbon, OECD 301 E).

Sodium etasulfate

CAS: 126-92-1

Readily biodegradable: 89.3 % after 28 days (CO₂ evolution, OECD 301 B).

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

EC: 915-730-3

Not readily biodegradable: 0% after 28 days (O₂ consumption, OECD 301 C).

12.3. Bioaccumulative potential

Mixture

Data for the mixture are not available.

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

log Pow < 0 (27 °C, pH = 7, OECD 117).

N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

log Pow = 0.95 (calculation).

Sodium etasulfate

CAS: 126-92-1

log Pow = -0.248 (25 °C, pH = 8.97 – 8.98, OECD 123).

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

EC: 915-730-3

BCF = 600 (Lepomis macrochirus, OECD 305).

log Pow = 5.6 (30 °C, OECD 117).

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12.4. Mobility in soil

Mixture

Data for the mixture are not available.

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

CAS: 51981-21-6

log Koc < 1.45 (OECD 121).

N,N-Dimethyldecylamin N-oxid

CAS: 2605-79-0

Koc = 307 - > 2 113 (by kind of soil, 23.6 °C).

Sodium etasulfate

CAS: 126-92-1

log Koc > 1.88 - < 2 (25 °C).

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

EC: 915-730-3

log Koc = 4.12.

12.5. Results of PBT and vPvB assessment

Mixture do not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.

12.6. Endocrine disrupting properties

The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture do not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods of the substance or mixture and the contaminated packaging

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). **Do not empty unused product into drainage systems.** Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Possible waste code

16 03 05* organic wastes containing hazardous substances, 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging).

Physical/chemical properties that may affect waste treatment options

Metal corrosion.

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Special precautions recommended for waste management

Not known.

Waste legislation

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 3267

14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate).

14.3. Transport hazard class(es)

8

14.4. Packing group

III

14.5. Environmental hazards

It is not dangerous for the environment during transport.

14.6. Special precautions for user

Not given.

14.7. Maritime transport in bulk according to IMO instruments

Not available.

14.8. Other information

Labeling according to ADR



Additional data for ADR/RID

Classification code	C7
Labels	8
Hazard identification code	80
Tunnel restriction code	E (ADR), - (RID)
Limited quantities	5l
Excepted quantities	Maximum net quantity per inner packaging: 30 ml. Maximum net quantity per outer packaging: 1 000 ml.
Transport category	3

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Additional data for IMDG

Emergency Schedules (EmS) F-A, S-B.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 648/2004/EC on detergents, as amended

15.2. Chemical safety assessment

Has not been carried out for mixture.

SECTION 16: Other information

Reason for the revision of the safety data sheet

First edition.

Key or legend to abbreviations and acronyms

Acute Tox. 2	Acute toxicity, cat. 2
Acute Tox. 3	Acute toxicity, cat. 3
Acute Tox. 4	Acute toxicity, cat. 4
Aquatic Acute 1	Acute aquatic hazard, cat. 1
Aquatic Chronic 1	Chronic aquatic hazard, cat. 1
Aquatic Chronic 2	Chronic aquatic hazard, cat. 2
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Met. Corr. 1	Substance or mixture corrosive to metals, cat. 1
Skin Corr. 1C	Skin corrosion, cat. 1C
Skin Irrit. 2	Skin irritation, cat. 2
Skin Sens. 1A	Skin sensitization, cat. 1A
Skin Sens. 1B	Skin sensitization, cat. 1B
M	Multiplying factor
ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance

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PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

Sources of key data used to compile the Safety Data Sheet

European legislation, manufacturer's safety data sheet, registration dossier of substances.

List of H- and P- phrases

EUH071	Corrosive to the respiratory tract.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P234	Keep only in original packaging.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Training advice

According to SDS.

Other information

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

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The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.