

SAFETY DATA SHEET

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

CLEAMEN 261

Date of revision: 12. 12. 2022

Version: 4.0

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Date of issue: 01. 12. 2014

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

1.1. Product identifier

Product Name

CLEAMEN 261

UFI code

UFI: TH50-60PS-V00U-5VFM

Product code

VC261.

Mixture description

A mixture of chemicals in a solid state (tablet).

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

Identified uses

A cleaning product that is intended for washing restaurant glass in dishwashers and pressure washers.
Consumer and professional use.

Uses advised against

Not known. 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.

Věchnov 73

593 01

Czech Republic

Tel.: +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

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Skin Irrit. 2; H315

Eye Dam. 1; H318

Aquatic Chronic 3; H412

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

The most important adverse physical, human health and environmental effects

Causes skin irritation. 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, C12-18, ethoxylated, Benzyl-C12-14-alkyldimethylammonium chlorides.

Hazard statements

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

Precautionary statements

P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
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

Mandatory additional information is not required according to CLP regulation.

Composition according to regulation 648/2004/EC on detergents: $\geq 30\%$ non-ionic surfactants, $< 5\%$ cationic surfactants.

2.3. Other hazards

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Mixture does 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 does 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, C12-18, ethoxylated			
CAS Number	68213-23-0	10	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412
EC Number	not given		
Index Number	not given		
Registration Number	not yet available		
Benzyl-C12-14-alkyldimethylammonium chlorides			
CAS Number	85409-22-9	< 1.5	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M=10 M(Chronic)=1
EC Number	939-350-2		
Index Number	not given		
Registration Number	01-2119970550-39-XXXX		
Modified fatty alcohol polyglycol ether			
CAS Number	not given	< 1.1	Eye Irrit. 2; H319
EC Number	not given		
Index Number	not given		
Registration Number	not given		

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

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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

Danger of serious damage to the eyes in case of direct contact - strongly irritating to the eyes. It irritates the skin. Long-term or repeated contact with unprotected skin can cause degreasing and drying of the skin. If ingested in large quantities, it can irritate the digestive tract and cause abdominal pain, vomiting or diarrhea. Risk of foamy stomach contents in case of vomiting after ingestion.

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

Carbon dioxide CO₂, dry extinguishing agent, sand or earth, 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, chlorine oxides, hydrogen chloride, chlorine 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.

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6.3. Methods and material for containment and cleaning up

Take up mechanically, place in appropriate containers for disposal and dispose of according to Section 13, unless it can be reused. Flush residues with water and collect it for waste disposal.

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

7.1. Precautions for safe handling

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

Protect from direct sunlight and heat sources. Protect from frost and temperatures above 50 °C. The preparation is hygroscopic, it must not come into contact with water or moisture before use. Keep out of reach of children.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

7.3. Specific end use(s)

See subsection 1.2.

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

Benzyl-C12-14-alkyldimethylammonium chlorides

CAS: 85409-22-9

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	3.06 mg/m ³
Workers	Dermal	Systemic effect	Long term	3.1 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.42 µg/L	0.096 µg/l	0.16 µg/l	0.207 µg/l	160 µg/l

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PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
68 mg/kg	15.75 mg/kg	no effect	1.66 mg/kg	no effect

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 goggles or face shield when manufacturing and handling the product(EN 166, EN 149). In normal use it is not necessary. Use glasses in case of eye contact.

Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product (EN 374). In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact.

Recommended gloves material: PVA (Polyvinyl alcohol), latex, rubber, PVC or Viton.

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 (EN ISO 13688) and protective footwear (EN ISO 20346).

Respiratory protection

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

Thermal hazards

In normal use, it is not necessary to use 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

9.1. Information on basic physical and chemical properties

Mixture

Physical state	Solid.
Colour	Blue.
Odour	Characteristic.

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Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.
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, the mixture does not contain self-reactive substances or organic peroxides or other substances which may decompose.
pH	6 - 8 (1% aqueous solution, 20 °C).
Kinematic viscosity	Does not apply to solid.
Solubility	Fully soluble.
Partition coefficient n-octanol/water (log value)	Does not apply to mixture.
Vapour pressure	Not determined, the mixture does not contain volatile compounds.
Density and/or relative density	Not determined.
Relative vapour density	Does not apply to solid.
Particle characteristics	Not determined.
Benzyl-C12-14-alkyldimethylammonium chlorides CAS: 85409-22-9	
Physical state	Solid.
Colour	White to yellowish.
Odour	Not determined.
Melting point/freezing point	Not determined, substance decomposes (OECD 102).
Boiling point or initial boiling point and boiling range	Not determined, substance decomposes (OECD 102).
Flammability	Non-flammable solid (screening test according to 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	ca. 150 °C (OECD 102).
pH	Not determined.
Kinematic viscosity	Does not apply to solid.

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Solubility	409 g/l (20 °C, pH = 5.5, OECD 105). 431 g/l (20 °C, pH = 6.5, OECD 105). 403 g/l (20 °C, pH = 6.9, OECD 105). 379 g/l (20 °C, pH = 8.2, OECD 105).
Partition coefficient n-octanol/water (log value)	-0,21 (20 °C, calculation).
Vapour pressure	28.27 mN/m (19,7 °C, literature).
Density and/or relative density	0.929 g/cm ³ (20 °C, literature).
Relative vapour density	Does not apply to solid.
Particle characteristics	Not determined.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Mixture

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

Benzyl-C12-14-alkyldimethylammonium chlorides

CAS: 85409-22-9

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

The substance is not classified as flammable solid, burning time = 30 minut (EU method A.10).

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

Data for the substance are not available.

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

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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

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.

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

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

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10.2. Chemical stability

Stable under recommended storage conditions.

The preparation is hygroscopic, it must not come into contact with moisture or water before use.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Protect from direct sunlight and heat sources. Protect from frost and temperatures above 50 °C. The preparation is hygroscopic, it must not come into contact with water or moisture before use.

10.5. Incompatible materials

Strong oxidizing or reducing agents, strong acids and bases.

10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon oxides, nitrogen oxides, ammonia, chlorine oxides, hydrogen chloride, chlorine 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

The mixture is not classified as toxic for all routes of exposure.

Oral

Data for the mixture are not available.

The mixture is not classified by the additive formula.

$ATE_{\text{mixture}} > 4\,074 \text{ mg/kg}$.

Dermal

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Inhalation

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Skin corrosion/irritation

Data for the mixture are not available.

The mixture is 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

Data for the mixture are not available.

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

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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.

Benzyl-C12-14-alkyldimethylammonium chlorides

CAS: 85409-22-9

Acute toxicity

Oral The substance is classified in category 4.
LD₅₀ = 330 mg/kg (rat, literature).

Dermal Based on available data, the classification criteria are not met.
LD₅₀ = 3 000 mg/kg (rabbit, literature).

Inhalation Data for the substance are not available.

Skin corrosion/irritation

The substance is classified as skin corrosion in category 1B.

PDII (skin irritation index) = 6.38, erythema and edema values are higher after 72 hours compared to the 24-hour observation time. Therefore, a corrosive effect of the substance (rabbit, 72 hours) can be expected.

Serious eye damage/irritation

The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity = 4, iritis = 2, conjunctival redness = 3, conjunctival oedema = 4 (rabbit, 72 hrs.).

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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 473, OECD 476).

Carcinogenicity

Published studies did not show carcinogenic effects of the test substance in mice, rats, rabbits or guinea pigs upon dermal or oral exposure.

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.
NOEL = 31.2 mg/kg/day (change in body weight, food consumption, rat, male, oral, 90 days, OECD 408).
NOEL = 38.3 mg/kg/day (change in body weight, food consumption, rat, female, oral, 90 days, OECD 408).
NOEL = 62 mg/kg/day (clinical signs, mortality, weight change, food consumption, organ to body weight ratio, histopathology, rat, male, oral, 90 days, OECD 408).
NOEL = 77 mg/kg/day (clinical signs, mortality, weight change, food consumption, organ to body weight ratio, histopathology, rat, female, oral, 90 days, OECD 408).
NOAEL = 20 mg/kg/day (systemic and local toxicity, rat, dermal, EPA OPP 82-3).

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

Mixture does 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 and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does 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.

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category 1		$\Sigma < 15$		
Chronic aquatic toxicity				
The mixture is classified as Aquatic Chronic 3; H412 based on calculation according to the summation method.				
category	1	2	3	4
Σ	< 1.5	< 15	< 160	not relevant
Benzyl-C12-14-alkyldimethylammonium chlorides			CAS: 85409-22-9	
The substance is classified as Aquatic Acute 1; H400 (M = 10) and Aquatic Chronic 1; H410 (M=1).				
Fish				
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: 930 µg/l (mortality, OECD 203).				
NOEC, 28 d., Oncorhynchus mykiss: 32.2 µg/l (mortality, OECD 210).				
Crustaceans				
EC ₅₀ , 48 hrs., Daphnia Magna: 0.016 mg/l (mobility, ISO/CD14669).				
NOEC, 21 d., Daphnia Magna: 4.15 µg/l (reproduction, OECD 211).				
Algae				
EC ₅₀ , 72 hrs., Skeletonema costatum: 0.26 mg/l (growth rate, ISO 10253).				
EC ₁₀ , 72 hrs., Skeletonema costatum: 0.096 mg/l (growth rate, ISO 10253).				
NOEC, 72 hrs., Skeletonema costatum: 0.032 mg/l (growth rate, ISO 10253).				
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.				
Benzyl-C12-14-alkyldimethylammonium chlorides			CAS: 85409-22-9	
Readily biodegradable: 95.5 % after 28 days (CO ₂ evolution, OECD 301 B).				
12.3. Bioaccumulative potential				
Mixture				
Data for the mixture are not available.				
Benzyl-C12-14-alkyldimethylammonium chlorides			CAS: 85409-22-9	
BCF = 67.62 l/kg (calculation).				
log Pow = -0.21 (20 °C, calculation).				
12.4. Mobility in soil				
Mixture				
Data for the mixture are not available.				
Benzyl-C12-14-alkyldimethylammonium chlorides			CAS: 85409-22-9	
Koc = 640 389 - 6 171 657 l/kg (according to type of soil, U.S. EPA guideline subdivision N 163-1).				
12.5. Results of PBT and vPvB assessment				

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Mixture does 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 does 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 or 20 01 29* - detergents containing hazardous substances (mixture), 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 01 - paper and cardboard packaging or 15 01 02 - plastic packaging (clear packaging).

Physical/chemical properties that may affect waste treatment options

Not known.

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

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

14.1. UN number or ID number

Not given.

14.2. UN proper shipping name

Not given.

14.3. Transport hazard class(es)

Not given.

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14.4. Packing group

Not given.

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.

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

Revision of all sections according to Commission Regulation (EU) 2020/878/EC. Change of the classification and labeling of the mixture. Change in the composition of the mixture in section 3 and related changes in the other sections. The values in sections 8, 9, 11 and 12 are added according to the registration dossier of compounds.

Key or legend to abbreviations and acronyms

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 3	Chronic aquatic hazard, cat. 3
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Skin Corr. 1B	Skin corrosion, cat. 1B
Skin Irrit. 2	Skin irritation, cat. 2
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

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ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
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 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.