SAFETY DATA SHEET

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

CLEAMEN 175

Date of issue: **23. 01. 2025** Version: **1.0**

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

1.1. Product identifier

Product Name

CLEAMEN 175

UFI code

UFI: 3JV0-T07X-600H-D7RP

Product code

Not given.

Mixture description

Aqueous solution.

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

Identified uses

Cleaner for floors.
Professional and consumer 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

Eye Dam. 1; H318

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

The most important adverse physical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

Hazard pictograms

Signal word

Danger.

Substances of the mixture to be placed on the label

Contains Hexyl D-glucoside, Undecanol, branched and linear, ethoxylated, propoxylated (≥ 2.5 moles EO/PO), Sodium etasulfate.

Hazard statements

H318	Causes serious eye damage.

Precautionary statements

P102	Keep out of reach of children.
P280	Wear 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. **Dispose of the cleaned packaging without any residual product content in the sorted waste.**

Supplemental hazard information

Mandatory additional information is not required according to CLP regulation.

Composition according to regulation 648/2004/EC on detergents: ≥ 5 - < 15 % non-ionic surfactants, < 5 % anionic surfactants, perfumes, preservation agents (PHENOXYETHANOL, BUTYLISOTHIAZOLINONE).

2.3. 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 (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
Hexyl D-glucoside			
CAS Number	54549-24-5	1 - < 10	Eye Dam. 1; H318
EC Number	259-217-6		
Index Number	not given		
Registration Number	01-2119492545-29-XXXX		
Undecanol, branched and linear, ethoxylated, propoxylated (≥ 2.5 moles EO/PO)			
CAS Number	not given	1 - < 10	Acute Tox. 4; H302 Eye Dam. 1; H318
EC Number	940-634-3		
Index Number	not given		
Registration Number	is not subject to registration, it is a polymer		
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate			
CAS Number	51981-21-6	1 - < 5	Met. Corr. 1; H290
EC Number	257-573-7		
Index Number	not given		
Registration Number	01-2119493601-38-XXXX		
Met. Corr. 1; H290 only applies to aqueous solutions depending on concentration, pH and composition.			
Sodium etasulfate			
CAS Number	126-92-1	1 - < 5	Skin Irrit. 2; H315 Eye Dam. 1; H318
EC Number	204-812-8		
Index Number	not given		
Registration Number	01-2119971586-23-XXXX		
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 %		
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 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. 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

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

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 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

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.

Protect from frost.

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 protectio

8.1. Control parameters

8.1.1. Exposure limit value

Not determined in EU.

8.1.2. Biological limit values

Not determined in EU.

8.1.3. DNEL and PNEC values

Hexyl D-glucoside CAS: 54549-24-5

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	420 mg/m^3
Workers	Dermal	Systemic effect	Long term	595 000 mg/kg/day
General population	Inhalation	Systemic effect	Long term	124 mg/m^3
General population	Dermal	Systemic effect	Long term	357 000 mg/kg/day
General population	Oral	Systemic effect	Long term	35,7 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.176 mg/l	0.018 mg/l	4.2 mg/l	not given	100 mg/l

PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators

0.722 mg/kg	0.072 mg/kg	no effect	0.654 mg/kg	111.11 mg/kg food

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
4.12 mg/kg	0.412 mg/kg	no effect	0.5 mg/kg	67 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

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 (EN 166, EN 149+A1).

Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product (EN 374-1, EN 374-2). In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact.

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

Wear protective working clothing and protective footwear when manufacturing and handling the product.

Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use respiratory protection). 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

9.1. Information on basic physical and chemical properties

Mixture

Physical state	Liquid.
Colour	Yellowish.
Odour	Not determined.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
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 – 10.

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	Not determined.
Partition coefficient n-octanol/water (log value)	Does not apply to mixture.
Vapour pressure	Not determined.
Density and/or relative density	Not determined.
Relative vapour density	Not determined.
Particle characteristics	Does not apply to liquid.
Hexyl D-glucoside	CAS: 54549-24-5
Physical state	Solid.
Colour	Not determined.
Odour	Not determined.
Melting point/freezing point	> 300 °C (AB46-1215).
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.
Kinematic viscosity	Does not apply to solid.
Solubility	58 g/l (24 °C, DIN 53914).
Partition coefficient n-octanol/water (log value)	log Pow = 1.72 (40 °C, pH = 6.5, EU method A.8).
Vapour pressure	Not determined, the substance has melting point higher than 300 °C.
Density and/or relative density	D_4^{20} = 1,176.
Relative vapour density	Does not apply to solid.
Particle characteristics	Not determined.
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).
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).
Sodium etasulfate	CAS: 126-92-1
Physical state	Solid.
Colour	Not determined.
Odour	Not determined.
Melting point/freezing point	> 181 °C (decomposition, OECD 102).
Boiling point or initial boiling point and boiling range	Not determined, substance decomposes.
Flammability	The substance with bulk density ≥ 400 g/l is not classified as flammable.
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	Not determined, the heating temperature of the substance is higher than 400 °C (EU method A.16).
Decomposition temperature	181 °C (OECD 102).

pH	Not determined.
Kinematic viscosity	Does not apply to solid.
Solubility	> 500 g/l (20 °C, pH = 7.3, OECD 105).
Partition coefficient n-octanol/water (log value)	log Pow = -0.248 (25 °c, pH = 8.97 – 8.98, OECD 123).
Vapour pressure	≤ 1.2 Pa (20 °C, OECD 104)
Density and/or relative density	D_4^{20} = 1.268 (OECD 109).
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

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.

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.

Oxidising 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 not classified as corrosive to category 1 metals, due to the low content of the substance classified as such and the pH value < 10.

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.

Hexyl D-glucoside CAS: 54549-24-5

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 classified as flammable solid (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.

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.

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.

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
Data for the substance are not available. The substance does not contain chemical groups associated with explosive properties.

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	
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.

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.
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 oxidising agents.

10.6. Hazardous decomposition products

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

$ATE_{mixture}$ > 2 000 mg/kg (estimate, low concentration of substance classified as toxic oral route of exposure).

Dermal Data for the mixture are not available.

The mixture does not contain relevant 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 relevant 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 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

Data for the mixture are not available.

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

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.

Hexyl D-glucoside CAS: 54549-24-5

Acute toxicity

Oral	Based on available data, the classification criteria are not met. LD_{50} > 2 000 mg/kg (rat, OECD 423).
Dermal	Based on available data, the classification criteria are not met. LD_{50} > 2 000 mg/kg (rabbit, OECD 402).
Inhalation	Data for the substance are not available.

Skin corrosion/irritation

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

Mean erythema score = 0.7; 1.3; 0.3 (fully reversible) and oedema = (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity = 2 (not fully reversible), iritis = 1 (not fully reversible), conjunctival redness = 2,7 (not fully reversible), conjunctival oedema = 1 (not fully reversible) (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.

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 mm^2/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. LD_{50} > 2 000 mg/kg (rat, EU method B.1).
Dermal	Based on available data, the classification criteria are not met. LD_{50} > 2 000 mg/kg (rabbit, OECD 402).
Inhalation	Based on available data, the classification criteria are not met. LC_{50} > 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.

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 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 is 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 is 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	
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 mm^2/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 does not contain relevant substances classified as an acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Chronic aquatic toxicity

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

Hexyl D-glucoside CAS: 54549-24-5

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

Fish

LC_{50}, 96 hrs., Oncorhynchus mykiss: 420 mg/l (mortality, OECD 203).
NOEC, 28 d., Danio rerio: 1.8 mg/l (mortality, OECD 204).

Crustaceans

EC_{50}, 48 hrs., Daphnia Magna: 490 mg/l (mobility, OECD 202).
NOEC, 21 d., Daphnia Magna: 2 mg/l (reproduction, OECD 202).

Algae

EL_{50}, 72 hrs., Skeletonema costatum: 435 mg/l (growth rate, ISO 10253).
NOEC, 72 hrs., Skeletonema costatum: 286 mg/l (growth rate, ISO 10253).

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

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

Fish

LC_{50}, 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

EC_{50}, 48 hrs., Daphnia Magna: > 95.26 mg/l (mobility, OECD 202).
NOEC, 21 d., Daphnia Magna: ≥ 248.4 mg/l (reproduction, OECD 211).

Algae

EC_{50}, 72 hrs., Desmodesmus subspicatus: ≥ 94.99 mg/l (OECD 201).

Sodium etasulfate CAS: 126-92-1

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

Fish

LC_{50}, 96 hrs., Danio rerio: > 100 mg/l (read-across (sodium octylsulfate), mortality, OECD 203).
NOEC, 42 d., Pimephales promelas: ≥ 1 357 mg/l (mortality).

Crustaceans

EC_{50}, 48 hrs., Daphnia Magna: 483 mg/l (mobility, EU method C.2).
NOEC, 21 d., Daphnia Magna: 1.4 mg/l (reproduction, OECD 211).

Algae

EC_{50}, 72 hrs., Desmodesmus subspicatus: > 511 mg/l (growth rate, EU method C.3).
EC_{50}, 72 hrs., Desmodesmus subspicatus: 511 mg/l (biomass, EU method C.3).
EC_{10}, 72 hrs., Desmodesmus subspicatus: 199 mg/l (growth rate, EU method C.3).
EC_{10}, 72 hrs., Desmodesmus subspicatus: 133 mg/l (biomass, EU method C.3).
NOEC, 72 hrs, Desmodesmus subspicatus: 103 mg/l (biomass, EU method C.3).

12.2. Persistence and degradability

Mixture

Data for the mixture are not available.

Hexyl D-glucoside CAS: 54549-24-5

Readily biodegradable: 71 % after 28 days (O_2 consumption, OECD 301 D).

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

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

Sodium etasulfate CAS: 126-92-1

Readily biodegradable: 89.3 % after 28 days (CO_2 evolution, OECD 301 B).

12.3. Bioaccumulative potential

Mixture

Data for the mixture are not available.

Hexyl D-glucoside CAS: 54549-24-5

log Pow = 1.72 (40 °C, pH = 6.5, EU method A.8).

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

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

Sodium etasulfate CAS: 126-92-1

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

12.4. Mobility in soil

Mixture

Data for the mixture are not available.

Hexyl D-glucoside CAS: 54549-24-5

log Koc = 0.9.

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

log Koc < 1.45 (OECD 121).

Sodium etasulfate CAS: 126-92-1

log Koc > 1.88 - < 2 (25 °C).

12.5. Results of PBT and vPvB assessment

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.

Hand over the remaining quantities and unregenerate solutions to an authorized person (specialized company with authorization) or to the collection yard in the hazardous waste section according to the worker's instructions. Empty, cleaned packaging can be stored at a landfill of the appropriate category or **in the sorted waste.**

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 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.

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

It was not done for the 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. 4	Acute toxicity, cat. 4
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 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
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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
P102	Keep out of reach of children.
P280	Wear 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. **Dispose of the cleaned packaging without any residual product content in the sorted waste.**

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.

The information in this safety data sheet has been prepared according to the best available knowledge. The safety data sheet has been compiled in good faith but without guarantee. Various factors may influence properties under specific conditions. It is the responsibility of the product user to assess the accuracy of the information for their specific application. 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 prepared 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 prepared by LACHEPRA s.r.o.