

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Date of issue:

29. 07. 2026

Version: 1.0

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

1.1. Product identifier

Product Name

CLEAMEN LAUNDRY PROFESSIONAL LP 01

UFI code

UFI: 6P61-H0PS-A00W-FHH9

Product code

TLP01.R01a

Mixture description

Water solution.

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

Identified uses

Enzymatic stain remover.
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

Registered office:

CORMEN s.r.o.

Věchnov 73

593 01

Czech Republic

Tel.: +420 566 550 961

Fax: +420 566 551 822

Trade establishment:

CORMEN s.r.o.

Průmyslová 1420

593 01 Bystřice nad Pernštejnem

Czech Republic

Tel.: +420 565 400 300

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 Irrit. 2; H319

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

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

The most important adverse physical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements

Hazard pictograms



Signal word

Warning

Substances of the mixture to be placed on the label

Not given

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container by handing it over to a collection yard or 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, enzymes, preservation agents (PHENOXYETHANOL, ETHYLHEXYLGLYCERIN, SODIUM BENZOATE).

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
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SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Alcohols, C12-14, ethoxylated			
CAS Number	68439-50-9		Acute Tox. 4; H302
EC Number	not given	1 - < 10	Eye Dam. 1; H318
Index Number	not given		Aquatic Chronic 3; H412
Registration Number	is not subject to registration, it is a polymer		ATE _{oral} = 1 200 mg/kg bw
The substance has specific concentration limits:			
Eye Dam. 1; H318	C ≥ 10 %		
Eye Irrit. 2; H319	1 % ≤ C < 10 %		
Alcohols, C12-15, branched and linear, ethoxylated (≥ 2.5 - < 5 EO)			
CAS Number	68131-39-5		Eye Irrit. 2; H319
EC Number	not given	1 - < 5	Aquatic Acute 1; H400
Index Number	not given		Aquatic Chronic 3; H412
Registration Number	is not subject to registration, it is a polymer		M=1
Sodium p-cumenesulphonate			
CAS Number	15763-76-5		
EC Number	239-854-6	0.5 - < 2.5	Eye Irrit. 2; H319
Index Number	not given		
Registration Number	01-2119489411-37-XXXX		
Potassium p-cumenesulphonate			
CAS Number	164524-02-1		
EC Number	629-764-9	0.5 - < 2.5	Eye Irrit. 2; H319
Index Number	not given		
Registration Number	01-2119489427-24-XXXX		
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.			

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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, 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

7.1. Precautions for safe handling

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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 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

Sodium p-cumenesulphonate

CAS: 15763-76-5

DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	37.4 mg/m ³
Workers	Dermal	Systemic effect	Long term	191 mg/kg/day
Workers	Dermal	Local effect	Long term	0.096 mg/cm ²
General population	Inhalation	Systemic effect	Long term	6.6 mg/m ³
General population	Dermal	Systemic effect	Long term	68.1 mg/kg/day
General population	Dermal	Local effect	Long term	0.048 mg/cm ²
General population	Oral	Systemic effect	Long term	3.8 mg/kg/day

PNEC

Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
1 mg/l	0.1 mg/l	1 mg/l	0.1 mg/l	100 mg/l

PNEC

Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
3.72 mg/kg	0.372 mg/kg	no effect	0.158 mg/kg	no effect

Potassium p-cumenesulphonate

CAS: 164524-02-1

DNEL

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	37.4 mg/m ³
Workers	Dermal	Systemic effect	Long term	191 mg/kg/day
Workers	Dermal	Local effect	Long term	0.096 mg/cm ²
General population	Inhalation	Systemic effect	Long term	6.6 mg/m ³
General population	Dermal	Systemic effect	Long term	68.1 mg/kg/day
General population	Dermal	Local effect	Long term	0.048 mg/cm ²
General population	Oral	Systemic effect	Long term	3.8 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
1 mg/l	0.1 mg/l	1 mg/l	0.1 mg/l	100 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
3.72 mg/kg	0.372 mg/kg	no effect	0.158 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).				
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 clothing and 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.				

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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	Colourless.
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 or other substances which may decompose.
pH	5 - 6.
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	Fully miscible.
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.

Sodium p-cumenesulphonate

CAS: 15763-76-5

Physical state	Solid.
Colour	White.
Odour	Odourless.
Melting point/freezing point	> 350 °C (ISO 1218).
Boiling point or initial boiling point and boiling range	Not determined, the substance has a melting point higher than 300 °C.
Flammability	The substance is not classified as flammable (EU method A.10).

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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	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	493 g/l (20 °C, pH = 6 - 7, ASTM E 1148-02).
Partition coefficient n-octanol/water (log value)	log Pow = - 1.1 (23 °C, pH = 6.9 - 7.2, OECD 107).
Vapour pressure	Not determined, the substance has melting point higher than 300 °C.
Density and/or relative density	ca. 0.61 g/cm ³ (22 °C, OECD 109).
Relative vapour density	Does not apply to solid.
Particle characteristics	< 1 µm, 0 % (ISO 13320-1). < 4 µm, 0.8 % (ISO 13320-1). < 100 µm, 60.6 % (ISO 13320-1). < 400 µm, 99.1 % (ISO 13320-1).
Potassium p-cumenesulphonate CAS: 164524-02-1	
Physical state	Solid.
Colour	White.
Odour	Odourless.
Melting point/freezing point	> 400 °C (ASTM E 737-76).
Boiling point or initial boiling point and boiling range	Not determined, the substance has a melting point higher than 300 °C.
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	Not determined, the heating temperature of the substance is higher than 400 °C (EU method A.16).
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.

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Solubility	499 g/l (20 °C, pH = 6 - 7, ASTM E 1148-02).
Partition coefficient n-octanol/water (log value)	log Pow = - 1.4 (22 °C, pH = 6, OECD 107).
Vapour pressure	Not determined, the substance has melting point higher than 300 °C.
Density and/or relative density	0.584 g/cm ³ (22 °C, 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

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

Sodium p-cumenesulphonate

CAS: 15763-76-5

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 an 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

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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 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.

Potassium p-cumenesulphonate

CAS: 164524-02-1

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 an 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.

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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 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

<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.

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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 temperatures below 0 °C.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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

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 bw (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 does not contain relevant substances classified as hazardous to skin or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Serious eye damage/irritation

Data for the mixture are not available.

The mixture is classified as eye irritant based on the general/specific concentration limits of substance(s).

Respiratory or skin sensitisation

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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.

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 relevant 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 sections 2 and 4.

Sodium p-cumenesulphonate

CAS: 15763-76-5

Acute toxicity

Oral

Based on available data, the classification criteria are not met.
LD₅₀ > 7 000 mg/kg bw (rat, OECD 401).

Dermal

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

Inhalation

Data for the substance are not available.
Based on available data, the classification criteria are not met.
LC₅₀ > 6.41 mg/l (rat, aerosol, 232 min., no death is observed, OECD 403).

Skin corrosion/irritation

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

Mean erythema score = 0 and oedema = 0 (rabbit, 72 hrs., OECD 404).

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Serious eye damage/irritation

The substance is classified as eye irritant.

Mean score of corneal opacity = 1 (fully reversible after 14 days), iritis = 0.44 (fully reversible after 72 hours), conjunctival redness = 0.94 (fully reversible after 6 days), conjunctival oedema = 0.33 (fully reversible after 72 hours) (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 (EPA OTS 798.5265, EPA OPPTS 870.5375, EPA OPPTS 870.5300, EPA OPPTS 870.5900).

Carcinogenicity

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

NOAEL $\geq$ 727 mg/kg/day (mouse, dermal, 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 > 763 - < 3 534 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 mm²/s or less at 40 °C.

Potassium p-cumenesulphonate

CAS: 164524-02-1

Acute toxicity

Oral

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

LD₅₀ > 7 000 mg/kg bw (rat, OECD 423).

Dermal

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

LD₅₀ > 2 000 mg/kg bw (rabbit, OECD 402).

Inhalation

Data for the substance are not available.

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

LC₅₀ > 6.41 mg/l (rat, aerosol, no death is observed, OECD 403).

Skin corrosion/irritation

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

Mean erythema score = 0 and oedema = 0 (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

The substance is classified as eye irritant.

Mean score of corneal opacity = 0.66 (fully reversible after 7 days), iritis = 0.33 (fully reversible after 7 days), conjunctival redness = 2; 2; 1.66 (fully reversible after 7 days), conjunctival oedema = 1; 0.66; 0.66 (fully reversible after 7 days) (rabbit, 72 hrs., OECD 405).

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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

Based on available data, the classification criteria are not met.
NOAEL $\geq$ 727 mg/kg/day (mouse, dermal, 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 = 1 200 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 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.

category 1

$\Sigma < 5$

Chronic aquatic toxicity

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

category

1

2

3

4

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Σ	0	0	< 15	< 15
Sodium p-cumenesulphonate			CAS: 15763-76-5	
The substance is not classified as hazardous for the aquatic environment.				
Fish				
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: > 1 000 mg/l (mortality, EPA OTS 797.1400).				
Crustaceans				
EC ₅₀ , 48 hrs., Daphnia Magna: > 1 000 mg/l (immobility, EPA OTS 797.1300).				
Algae				
EC ₅₀ , 96 hrs., Pseudokirchneriella subcapitata: ≥ 230 mg/l (cell number, EPA OTS 797.1050).				
NOEC, 96 hrs., Pseudokirchneriella subcapitata: 31 mg/l (cell number, EPA OTS 797.1050).				
Potassium p-cumenesulphonate			CAS: 164524-02-1	
The substance is not classified as hazardous for the aquatic environment.				
Fish				
LC ₅₀ , 96 hrs., Oncorhynchus mykiss: ≥ 252 mg/l (mortality, OECD 203).				
Crustaceans				
EC ₅₀ , 48 hrs., Daphnia Magna: > 304 mg/l (mobility, OECD 202).				
Algae				
EC ₅₀ , 96 hrs., Pseudokirchneriella subcapitata: ca. 252 mg/l (cell number, OED 201).				
12.2. Persistence and degradability				
Mixture				
Data for the mixture are not available.				
Sodium p-cumenesulphonate			CAS: 15763-76-5	
Readily biodegradable: 99.8 % after 28 days (CO ₂ evolution, OECD 301 B).				
Potassium p-cumenesulphonate			CAS: 164524-02-1	
Readily biodegradable: 98 % after 28 days (CO ₂ evolution, OECD 301 B).				
12.3. Bioaccumulative potential				
Mixture				
Data for the mixture are not available.				
Sodium p-cumenesulphonate			CAS: 15763-76-5	
log Pow = -1.1 (23 °C, pH = 6.9 - 7.2, OECD 107).				
Potassium p-cumenesulphonate			CAS: 164524-02-1	
log Pow = - 1.4 (22 °C, pH = 6, OECD 107).				
12.4. Mobility in soil				
Mixture				
Data for the mixture are not available.				
Sodium p-cumenesulphonate			CAS: 15763-76-5	
Data for the substance are not available.				

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

Potassium p-cumenesulphonate	CAS: 164524-02-1
Data for the substance are not available.	
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. Do not empty unused product into drainage systems. Do not contaminate ponds or ditches with the product or used container. Do not dispose with municipal waste. Hand over residual quantities and unregenerate solutions to the collection yard 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	
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.	

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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 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. 4	Acute toxicity, cat. 4
Aquatic Acute 1	Acute 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
ATE	Acute Toxicity Estimate
bw	body weight
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

SAFETY DATA SHEET

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

CLEAMEN LAUNDRY PROFESSIONAL LP 01

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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container by handing it over to a collection yard or 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.