



# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26

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

### 1.1. Product identifier

**Trade name**

Barbelon

**UFI code**

U0TQ-0MYW-X516-RU9J

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

**Relevant identified uses**

Industrial cleaner for professional users.

**Not suitable for use in**

All other uses are discouraged.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10  
32120 Hiddenhausen  
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

**Contact person**

Regulatory Affairs

**Email address**

info@kleen-purgatis.de

### 1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

**Available outside office hours**

Yes

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

### 2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

### 2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37-xxxx -	1 - <5%	Eye Irrit. 2	H319 - -	-
1-propoxypropan-2-ol	1569-01-3 216-372-4 01-2119474443-37-xxxx -	1 - <5%	Flam. Liq. 3, Eye Irrit. 2	H226, H319 - -	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated (3-4 EO)	78330-20-8 - - -	0.5 - <1%	Eye Irrit. 2	H319 - -	-
Alcohols, C12-14, ethoxylated propoxylated	68439-51-0 - - -	0.5 - <1%	Aquatic Chronic 3	H412 - -	-

### **Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### **Description of first aid measures**

First responders: Pay attention to self-protection.

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26



## **Inhalation**

Take the victim into fresh air. If symptoms persist, call a physician.

## **Skin contact**

Wash off with soap and water. If skin irritation or rash occurs, seek medical advice/attention.

## **Eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

## **Ingestion**

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

## **Information for doctors**

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

#### **Inhalation**

May cause throat irritation.

#### **Skin contact**

May cause skin irritation.

#### **Eye contact**

May cause eye irritation.

#### **Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

### **5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition products formed under fire conditions.

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26



## 5.3. Advice for firefighters

### **Special protective equipment for fire-fighters**

In the event of fire, wear self contained breathing apparatus.

### **Measures in case of fire**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Dilute with plenty of water.

### 6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Preventive handling precautions**

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas.

#### **General hygiene**

Wash hands after handling.

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from food, drink and animal feeding stuffs.

Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 12 (non-flammable liquids)

Storage temperature: 10°C to 40°C

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26



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## 7.3. Specific end use(s)

GISCODE: GG10

See section 1.2: Industrial cleaner

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
1-propoxypropan-2-ol (EU)	1569-01-3 216-372-4	50 -	75 -	Dow IHG	-	-

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Dermal	136.25 mg/kg	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Inhalation	26.9 mg/m <sup>3</sup>	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Oral	3.8 mg/kg	Consumers	Systemic

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Freshwater	0.23 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Marine water	0.023 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sewage Treatment Plant	100 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sediment (freshwater)	0.862 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Soil	0.037 mg/kg

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26



## 8.2. Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

### Eye / face protection

Safety glasses with side-shields conforming to EN166

### Hand protection

Wear chemical-resistant disposable protective gloves according to EN 374.

### Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### Thermal hazards

Not applicable

### Environmental exposure controls

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

yellow

#### Odour

perfumed

#### Odour threshold

Not determined for the mixture.

#### Melting point / freezing point

Not determined for the mixture.

#### Boiling point or initial boiling point and boiling range

Not determined for the mixture.

#### Flammability

Not applicable.

#### Lower and upper explosion limit

The product / mixture has no explosive properties.

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26

## **Flash point**

> 65 °C

## **Auto-ignition temperature**

Not applicable.

## **Decomposition temperature**

Not determined for the mixture.

## **pH**

10

## **Kinematic viscosity**

Not determined for the mixture.

## **Viscosity, dynamic**

Not determined for the mixture.

## **Solubility**

Water soluble

## **Water solubility**

completely miscible

## **Partition coefficient n-octanol/water**

Not determined for the mixture.

## **Vapour pressure**

Not determined for the mixture.

## **Density and/or relative density**

1.02 g/cm<sup>3</sup>

## **Relative vapour density**

Not determined for the mixture.

## **Evaporation Rate**

Not determined for the mixture.

## **Explosive properties**

The product / mixture has no explosive properties.

## **Oxidising properties**

The product / mixture has no oxidizing properties.

## **VOC %**

< 3 %

## **Particle characteristics**

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at normal conditions

### 10.2. Chemical stability

The product is chemically stable.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

## SECTION 11: Toxicological information

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

Toxicology data for the components

#### Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LD50	> 5.000 mg/kg	Oral	-	rat	OECD 401
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LC50	> 5 mg/l	Inhalation	232 min.	rat	-
sodium p-cumene-LD50 sulphonate		> 2.000 mg/kg	Dermal	-	rabbit	-



# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
15763-76-5 / 239-854-6						
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	LD50	> 2.000 mg/kg	Oral	-	rat	-
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	LD50	> 2.000 mg/kg	Dermal	-	rabbit	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated (3-4 EO) 78330-20-8 /	LD50	>2.000 mg/kg	Oral	-	rat	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	LD50	> 2.000 mg/kg	Oral	-	rat	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	LD50	> 5.000 mg/kg	Dermal	-	rat	-

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**Germ cell mutagenicity**

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

**Mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity**

Toxicology data for the components

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LC50	>100 mg/l	96 h	Rainbow trout	Static test	literature value
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	LC50	> 100 mg/l	96 h	Rainbow trout	OECD 203	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated (3-4 EO) 78330-20-8 /	LC50	> 1 mg/l	96h	Fisch	-	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	LC50	> 1 - < 10 mg/l	48 h	Golden orfe	-	-

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26



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## Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	EC50	>100mg/l	96 h	Pseudokirchneriella subcapitata	Static test	literature value
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	ErC50	1.466 mg/l	96 h	Pseudokirchneriella subcapitata	OECD 201	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	EC50	> 1 -< 10 mg/l	72 h	Scenedesmus subspicatus	-	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	EC 10	> 0,1 - 1 mg/l	72 h	Scenedesmus subspicatus	OECD 201	-

## Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC50	>100 mg/l	48 h	Daphnia magna (Water flea)	Static test	literature value
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	LC50	> 100 mg/l	48 h	Daphnia magna (Water flea)	OECD 202	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated (3-4 EO) 78330-20-8 /	EC50	> 1 mg/l	48h	Daphnia	-	-
alcohols, C12-14, ethoxylated propoxylated	EC50	> 1 - < 10 mg/l	24 h	Daphnia magna (Water flea)	-	-

# Barbelon

Version number: 4  
 Issued: 2022-02-22  
 Replaces SDS: 2020-10-26

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
68439-51-0 /						

### Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC10	>1.000 mg/l	3 h	Activated sludge	OECD 209
1-propoxypropan-2-ol 1569-01-3 / 216-372-4	EC50	3.800 mg/l	16 h	Bacteria	-

## 12.2. Persistence and degradability

### Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

## 12.3. Bioaccumulative potential

No data available

## 12.4. Mobility in soil

No data available

## 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## 12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

## 12.7. Other adverse effects

### Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

# Barbelon



Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

#### Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging : Dispose of as unused product.

Waste code	Description
20 01 30	detergents other than those mentioned in 20 01 29

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3. Transport hazard class(es)

#### Label

Not classified as dangerous in the meaning of transport regulations.

### 14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5. Environmental hazards

#### Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

### 14.7. Maritime transport in bulk according to IMO instruments

Not classified as dangerous in the meaning of transport regulations.

### Other

Not applicable

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26



## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: <5% non-ionic surfactants, polycarboxylates. Contains perfumes.

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

# Barbelon

Version number: 4  
Issued: 2022-02-22  
Replaces SDS: 2020-10-26



## **Abbreviations**

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ADR - Accord relatif au transport international des marchandises Dangereuses par Route  
CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging  
DMEL - Derived Minimum Effect Level  
DNEL - Derived no effect level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonised System  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal concentration 50%  
LD50 - Lethal dosis 50 %  
MARPOL - International Convention for the Prevention of Pollution from Ships  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - predicted no effect concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses  
SVHC - Substance of very high concern  
vPvB - Very persistent, very bioaccumulative substance

## **References to key literature and data sources**

REACH registration dossiers  
ECHA C&L - Inventory  
Safety data sheets from raw material suppliers

## **Evaluation methods for classification**

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:  
Health hazards: calculation method

## **Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2  
Flam. Liq. 3 - Flammable liquids, hazard category 3  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

## **Other**

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.