

# SAFETY DATA SHEET

According to REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

**gigazyme®** *No Change Service!*

Version  
06.01

Revision Date:  
10.09.2022

Date of last issue: 19.07.2022

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

### 1.1 Product identifier

Trade name : gigazyme®

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

Use of the Sub-  
stance/Mixture : Cleaning agent

Recommended restrictions  
on use : Restricted to professional users.

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

Producer : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
  
22851 Norderstedt  
Germany  
Telephone: +49 (0)40/ 52100-0  
Telefax: +49 (0)40/ 52100318  
mail@schuelke.com  
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Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road, Meadowhall  
  
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Telephone: +44 114 254 35 00  
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responsible for the  
SDS/Contact person : Application Specialists  
+49 (0)40/ 521 00 666  
AD@schuelke.com  
(Schülke & Mayr UK Ltd.: +44-1142543500)

### 1.4 Emergency telephone number

Emergency telephone num-  
ber : Carechem 24 International:+44 1235 239670

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)**

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Flammable liquids, Category 3

H226: Flammable liquid and vapour.

Eye irritation, Category 2

H319: Causes serious eye irritation.

## 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)**

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements :

**Prevention:**

P280 Wear eye protection/ face protection.

**Response:**

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.

### Additional Labelling

The product is classified in accordance with Annex I (2.6.4.5) to Regulation (EC) 1272/2008.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Solution of the following substances with harmless additives.

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethanol	64-17-5 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 1 - < 10

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	603-002-00-5 01-2119457610-43-XXXX		
Alcohols, C13-15-branched and linear, butoxylated ethoxylated	111905-53-4 --- ---	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 2.5 - < 10
Alkyl-polyethylenglycol-polybutylenglycolether	--- --- ---	Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 <hr/> M-Factor (Acute aquatic toxicity): 1	>= 2.5 - < 10
sodium p-cumenesulphonate	15763-76-5 239-854-6 --- 01-2119489411-37-XXXX	Eye Irrit. 2; H319	>= 1 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Take off contaminated clothing and shoes immediately.
- If inhaled : If symptoms persist, call a physician.
- In case of skin contact : Wash with water and soap as a precaution.  
If symptoms persist, call a physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Do NOT induce vomiting.  
Drink water as a precaution.  
Consult a physician if necessary.

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

- Symptoms : Treat symptomatically.
- Risks : Causes serious eye irritation.

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

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Foam

Unsuitable extinguishing media : Do NOT use water jet.

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

Specific hazards during fire-fighting : No information available.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.

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

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

see Section 8 + 13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Use prepared working solution as soon as possible - Do not store.

Advice on protection against fire and explosion : No special protective measures against fire required.

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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Do not store at temperatures above 30°C.

Further information on storage conditions : Keep away from heat. Keep away from direct sunlight. Keep container tightly closed. Recommended storage temperature: -5 - 25°C

Advice on common storage : No materials to be especially mentioned.

## 7.3 Specific end use(s)

Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,920 mg/m <sup>3</sup>	GB EH40

#### Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
ethanol	Workers	Inhalation	Acute local effects	1900 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	343 mg/kg
	Workers	Inhalation	Long-term systemic effects	950 mg/m <sup>3</sup>
sodium p-cumenesulphonate	Workers	Skin contact	Long-term systemic effects	136.25 mg/kg
	Workers	Skin contact	Long-term local effects	0.096 mg/cm <sup>2</sup>
	Workers	Inhalation	Long-term systemic effects	26.9 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
ethanol	Fresh water	0.96 mg/l
	Marine water	0.79 mg/l
	Fresh water sediment	3.6 mg/kg
	Soil	0.63 mg/kg
	Marine sediment	2.9 mg/kg
	Sewage treatment plant	580 mg/l
sodium p-cumenesulphonate	Fresh water	0.23 mg/l
	Marine water	0.023 mg/l
	Intermittent use/release	2.3 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	0.862 mg/kg

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	Marine sediment	0.0862 mg/kg
	Soil	0.037 mg/kg

## 8.2 Exposure controls

### Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166
- Hand protection  
Directive : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
- Remarks : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection. Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection.
- Skin and body protection : Work uniform or laboratory coat.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Protective measures : Avoid contact with eyes.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : blue
- Odour : alcohol-like
- Odour Threshold : not determined
- pH : 5.5 - 8 (20 °C)  
Concentration: 100 %
- Melting point/freezing point : < -5 °C
- Decomposition temperature : Not applicable
- Boiling point/boiling range : ca. 90 °C
- Flash point : 44 °C  
Method: DIN EN ISO 13736
- Evaporation rate : No data available

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Flammability (solid, gas)	:	Does not sustain combustion. Method: DIN EN ISO 9038
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	ca. 50 hPa (20 °C)
Relative vapour density	:	No data available
Density	:	ca. 1.00 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	:	> 100 g/l (20 °C)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Viscosity Viscosity, dynamic	:	ca. 4 mPa*s Method: ISO 3219
Explosive properties	:	No data available
Oxidizing properties	:	No data available

## 9.2 Other information

Metal corrosion rate	:	< 6.25 mm/a Not corrosive to metals
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable.

### 10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Materials to avoid : Never mix concentrates directly.

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## 10.6 Hazardous decomposition products

None reasonably foreseeable.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

#### Components:

##### ethanol:

Acute oral toxicity : LD50 (Mouse): 8,300 mg/kg  
Acute inhalation toxicity : LC50 (Mouse): 39 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity : LD50 (Rabbit): 20,000 mg/kg

##### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg  
Acute inhalation toxicity : Remarks: No data available  
Acute dermal toxicity : Remarks: No data available

##### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Acute inhalation toxicity : Remarks: not determined  
Acute dermal toxicity : Remarks: not determined

##### **sodium p-cumenesulphonate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg



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## **Skin corrosion/irritation**

Not classified based on available information.

### **Components:**

#### **ethanol:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

#### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Mild skin irritation

#### **Alkyl-polyethylenglycol-polybutylenglycoether:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Skin irritation

#### **sodium p-cumenesulphonate:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	slight irritation
Remarks	:	Based on available data, the classification criteria are not met.

## **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Components:**

#### **ethanol:**

Method	:	OECD Test Guideline 405
Result	:	Eye irritation

#### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Eye irritation

#### **Alkyl-polyethylenglycol-polybutylenglycoether:**

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

#### **sodium p-cumenesulphonate:**

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Eye irritation

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## Respiratory or skin sensitisation

### Skin sensitisation

Not classified based on available information.

### Respiratory sensitisation

Not classified based on available information.

### Components:

#### ethanol:

Test Type	: Maximisation Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Did not cause sensitisation on laboratory animals.

#### Alkyl-polyethylenglycol-polybutylenglycolether:

Remarks	: No data available
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#### sodium p-cumenesulphonate:

Test Type	: Buehler Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Did not cause sensitisation on laboratory animals.

## Germ cell mutagenicity

Not classified based on available information.

### Components:

#### ethanol:

Genotoxicity in vitro	: Test Type: Microbial mutagenesis assay (Ames test) Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: Not mutagenic in Ames Test
Genotoxicity in vivo	: Result: Non mutagenic
Germ cell mutagenicity- Assessment	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

#### Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Genotoxicity in vitro	: Test Type: Microbial mutagenesis assay (Ames test) Result: negative
Germ cell mutagenicity- Assessment	: Not mutagenic in Ames Test

#### Alkyl-polyethylenglycol-polybutylenglycolether:

Germ cell mutagenicity- Assessment	: Experiments showed mutagenic effects in cultured bacterial cells., Based on data from similar materials
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## **sodium p-cumenesulphonate:**

Genotoxicity in vitro : Test Type: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: Not mutagenic in Ames Test

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Application Route: Oral  
Result: Non mutagenic

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

## **Carcinogenicity**

Not classified based on available information.

## **Components:**

### **ethanol:**

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Carcinogenicity - Assessment : No data available

### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Carcinogenicity - Assessment : No data available

## **sodium p-cumenesulphonate:**

Species : Rat  
Exposure time : 2 Years  
Method : OECD Test Guideline 453  
Result : no increase in tumors observed

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

## **Reproductive toxicity**

Not classified based on available information.

## **Components:**

### **ethanol:**

Effects on foetal development : Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 2,000 mg/kg body weight

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Reproductive toxicity - Assessment : Animal experiments showed mutagenic and teratogenic effects.

### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Reproductive toxicity - Assessment : No data available

### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Reproductive toxicity - Assessment : No data available

### **sodium p-cumenesulphonate:**

Effects on fertility : Species: Rat  
Application Route: Oral  
General Toxicity - Parent: NOAEL: 300 mg/kg bw/day  
General Toxicity F1: NOAEL: 1,000 mg/kg bw/day  
Method: OECD Test Guideline 421

Effects on foetal development : Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 936 mg/kg body weight  
Teratogenicity: NOAEL: 936 mg/kg bw/day

Reproductive toxicity - Assessment : study scientifically unjustified

### **STOT - single exposure**

Not classified based on available information.

### **Components:**

#### **ethanol:**

Remarks : No data available

### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Remarks : No data available

### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Remarks : No data available

### **sodium p-cumenesulphonate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT - repeated exposure**

Not classified based on available information.

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## Components:

### ethanol:

||Remarks : No data available

### Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

||Remarks : Not classified due to data which are conclusive although insufficient for classification.

### Alkyl-polyethylenglycol-polybutylenglycolether:

||Remarks : No data available

### sodium p-cumenesulphonate:

||Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## Repeated dose toxicity

### Components:

#### ethanol:

||Species : Rat  
||NOAEL : 1,730 mg/kg  
||LOAEL : 3,160 mg/kg  
||Application Route : Oral  
||Exposure time : 90 d

#### sodium p-cumenesulphonate:

||Species : Rat  
||NOAEL : 763 mg/kg  
||Application Route : Oral  
||Target Organs : Cardio-vascular system  
||Remarks : Subchronic toxicity

||Species : Rat  
||NOAEL : 60 mg/kg  
||Application Route : Dermal  
||Exposure time : 2 yr  
||Method : OECD Test Guideline 453  
||Target Organs : Skin

## Aspiration toxicity

Not classified based on available information.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **ethanol:**

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): 8,140 mg/l Exposure time: 48 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 5,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: IC50 (Scenedesmus quadricauda (Green algae)): > 100 mg/l Exposure time: 72 h

##### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Toxicity to fish	: LC50 (Leuciscus idus): > 1 - 10 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: > 0.1 - 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202

##### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Toxicity to fish	: LC50 (Leuciscus idus): > 1 - 10 mg/l Exposure time: 96 h Method: DIN 38412
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna): > 0.1 - 1 mg/l Exposure time: 48 h Remarks: The toxicological data has been taken from products of similar composition.
Toxicity to algae/aquatic plants	: EC50 (Scenedesmus capricornutum (fresh water algae)): 0.4 - 1 mg/l Exposure time: 96 h Remarks: The toxicological data has been taken from products of similar composition.
	NOEC (Scenedesmus capricornutum (fresh water algae)): 0.101 mg/l Exposure time: 96 h Remarks: The toxicological data has been taken from products of similar composition.

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M-Factor (Acute aquatic toxicity) : 1  
Toxicity to fish (Chronic toxicity) : Remarks: No data available  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

### **sodium p-cumenesulphonate:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD 301D / EEC 84/449 C6

### **Components:**

#### **ethanol:**

Biodegradability : Test Type: aerobic  
Result: Readily biodegradable.  
Biodegradation: > 70 %  
Exposure time: 5 d  
Method: OECD 301D / EEC 84/449 C6

#### **Alcohols, C13-15-branched and linear, butoxylated ethoxylated:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

#### **Alkyl-polyethylenglycol-polybutylenglycolether:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD 301B/ ISO 9439/ EEC 84/449 C5

### **sodium p-cumenesulphonate:**

Biodegradability : Test Type: aerobic  
Result: Readily biodegradable.

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Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

## 12.3 Bioaccumulative potential

### Components:

#### **ethanol:**



Bioaccumulation : Remarks: Bioaccumulation is unlikely.  
Partition coefficient: n-octanol/water : log Pow: -0.14  
Method: Calculated value

#### **Alkyl-polyethylenglycol-polybutylenglycolether:**



Bioaccumulation : Remarks: Accumulation in aquatic organisms is unlikely.

#### **sodium p-cumenesulphonate:**



Bioaccumulation : Remarks: Bioaccumulation is unlikely.

## 12.4 Mobility in soil

### Components:

#### **ethanol:**



Mobility : Remarks: No data available

#### **sodium p-cumenesulphonate:**



Mobility : Remarks: Not expected to adsorb on soil.

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

### Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

- ADR : Not regulated as a dangerous good
- IMDG : Not regulated as a dangerous good
- IATA : Not regulated as a dangerous good

### 14.2 UN proper shipping name

- ADR : Not regulated as a dangerous good
- IMDG : Not regulated as a dangerous good
- IATA : Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

- ADR : Not regulated as a dangerous good
- IMDG : Not regulated as a dangerous good
- IATA : Not regulated as a dangerous good

### 14.4 Packing group

- ADR : Not regulated as a dangerous good
- IMDG : Not regulated as a dangerous good
- IATA (Cargo) : Not regulated as a dangerous good
- IATA (Passenger) : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

- Remarks : Not classified as supporting combustion according to the transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 18.99 %
according to Detergents Regulation EC 648/2004	:	5 % or over but less than 15 %: Non-ionic surfactants less than 5 %: Anionic surfactants Other constituents: Enzymes

#### The components of this product are reported in the following inventories:

TCSI	:	Not in compliance with the inventory
TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL.  Alkyl-polyethylenglycol-polybutylenglycolether sodium p-cumenesulphonate 2-methyl-1,2-benzothiazol-3(2H)-one
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory

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NZIoC : Not in compliance with the inventory

TECI : Not in compliance with the inventory

## 15.2 Chemical safety assessment

Exempt

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H400 : Very toxic to aquatic life.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous

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Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

## Further information

### Classification of the mixture:

Eye Irrit. 2

H319

### Classification procedure:

Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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