

# SAFETY DATA SHEET

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

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Version  
04.00

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

### 1.1 Product identifier

Trade name : aspirmatic®  
Unique Formula Identifier (UFI) : 4E32-U0S3-300X-VPV8

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

Use of the Sub-stance/Mixture : Disinfectants  
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  
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road, Meadowhall  
Sheffield S9 1AT  
United Kingdom  
Telephone: +44 114 254 35 00  
Telefax: +44 114 254 35 01  
mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : Application Specialists  
+49 (0)40/ 521 00 666  
AD@schuelke.com

### 1.4 Emergency telephone number

Emergency telephone number : 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)**

Skin corrosion, Sub-category 1B                      H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1                      H318: Causes serious eye damage.

Long-term (chronic) aquatic hazard, Category 1                      H410: Very toxic to aquatic life with long lasting effects.

### 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 : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P310 Immediately call a POISON CENTER/ doctor.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal:**  
P501 Dispose of contents/ container to an approved incineration plant.

Hazardous components which must be listed on the label:

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dimethyldioctylammonium chloride

## 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.<br>EC-No.<br>Index-No.<br>Registration number         | Classification  | Concentration<br>(% w/w) |
|--|---|---|--------------------------|
| dimethyldioctylammonium chloride           | 5538-94-3<br>226-901-0<br>- - -<br>01-2120767055-53-XXXX      | Acute Tox. 3; H301<br>Acute Tox. 2; H310<br>Skin Corr. 1B;<br>H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 10 | >= 5 - < 10              |
| ethanol                                    | 64-17-5<br>200-578-6<br>603-002-00-5<br>01-2119457610-43-XXXX | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319  | >= 1 - < 10              |
| Alcohols, C12-15, ethoxylated propoxylated | 68551-13-3<br>- - -<br>- - -<br>- - -                         | Aquatic Acute 1;<br>H400<br><br>M-Factor (Acute aquatic toxicity): 1  | >= 0.25 - < 1            |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.

If inhaled : If symptoms persist, call a physician.

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- In case of skin contact : Wash off immediately with plenty of water.  
If symptoms persist, call a physician.
- In case of 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.  
Obtain medical attention.
- If swallowed : Do NOT induce vomiting.  
Drink water as a precaution.  
If symptoms persist, call a physician.

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

- Symptoms : Treat symptomatically.
- Risks : Causes serious eye damage.  
Causes severe burns.

### **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  
Foam  
Water spray jet  
Carbon dioxide (CO<sub>2</sub>)
- 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 : Increased risk of slipping in the presence of leaked / spilled
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product.  
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 : Prepare the working solution as given on the label(s) and/or the user instructions.

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

Hygiene measures : Keep away from food and drink.

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

Requirements for storage areas and containers : Recommended storage temperature: 5 - 25°C

Further information on storage conditions : Keep away from heat. Keep container tightly closed.

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

### 7.3 Specific end use(s)

Specific use(s) : none

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## 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<br>1,920 mg/m <sup>3</sup> | GB EH40 |

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

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| Substance name                   | End Use | Exposure routes | Potential health effects   | Value                   |
|----------------------------------|---------|-----------------|----------------------------|-------------------------|
| dimethyldioctylammonium chloride | Workers | Inhalation      | Long-term systemic effects | 18.79 mg/m <sup>3</sup> |
|                                  | Workers | Dermal          | Long-term systemic effects | 2.67 mg/kg              |
| 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>   |

### Predicted No Effect Concentration (PNEC):

| Substance name                   | Environmental Compartment | Value        |
|----------------------------------|---------------------------|--------------|
| dimethyldioctylammonium chloride | Fresh water               | 0.001 mg/l   |
|                                  | Marine water              | 0.00001 mg/l |
|                                  | Sewage treatment plant    | 0.5 mg/l     |
| 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     |

## 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 : 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. 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.

Skin and body protection : Work uniform or laboratory coat.

Respiratory protection : No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

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|  |   |  |
|--|---|--|
| Colour   | : | blue   |
| Odour  | : | characteristic   |
| Odour Threshold                                  | : | not determined   |
| pH   | : | 6.8 - 7.8 (20 °C)<br>Concentration: 100 %                |
| Melting point/freezing point                     | : | ca. 0 °C   |
| Decomposition temperature                        | : | Not applicable   |
| Boiling point/boiling range                      | : | ca. 100 °C   |
| Flash point                                      | : | Not applicable   |
| Evaporation rate                                 | : | No data available  |
| Upper explosion limit / Upper flammability limit | : | No data available  |
| Lower explosion limit / Lower flammability limit | : | No data available  |
| Vapour pressure                                  | : | No data available  |
| Relative vapour density                          | : | No data available  |
| Density  | : | ca. 0.99 g/cm <sup>3</sup> (20 °C)                       |
| Solubility(ies)<br>Water solubility              | : | completely soluble (20 °C)                               |
| Partition coefficient: n-octanol/water           | : | Not applicable   |
| Auto-ignition temperature                        | : | No data available  |
| Viscosity<br>Viscosity, dynamic                  | : | No data available  |
| Explosive properties                             | : | No data available  |
| Oxidizing properties                             | : | The substance or mixture is not classified as oxidizing. |

### **9.2 Other information**

|                        |   |                              |
|------------------------|---|------------------------------|
| Flammability (liquids) | : | Does not sustain combustion. |
| Metal corrosion rate   | : | None reasonably foreseeable. |

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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 : Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : None reasonably foreseeable.

### 10.6 Hazardous decomposition products

None reasonably foreseeable.

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## 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

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

#### Components:

##### **dimethyldioctylammonium chloride:**

Acute oral toxicity : LD50 (Rat): 238 mg/kg  
Method: OECD Test Guideline 401  
Assessment: Toxic if swallowed.  
Remarks: The toxicological data has been taken from products of similar composition.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit, male and female): 191 mg/kg  
Method: OECD Test Guideline 434  
Assessment: Fatal in contact with skin.

##### **ethanol:**



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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, C12-15, ethoxylated propoxylated:**

Acute oral toxicity : (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : Remarks: No data available  
Acute dermal toxicity : Remarks: No data available

### **Skin corrosion/irritation**

Causes severe burns.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Species : Rabbit  
Exposure time : 3 MIN  
Method : OECD Test Guideline 404  
Result : Corrosive after 3 minutes to 1 hour of exposure  
GLP : yes

#### **ethanol:**

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

### **Alcohols, C12-15, ethoxylated propoxylated:**

Species : Rabbit  
Result : slight irritation

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

Causes serious eye damage.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Species : Rabbit  
Exposure time : 1 s  
Method : OECD Test Guideline 405  
Result : Corrosive  
GLP : yes  
Remarks : The toxicological data has been taken from products of similar composition.

#### **ethanol:**

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Method : OECD Test Guideline 405  
Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Components:**

##### **dimethyldioctylammonium chloride:**

Remarks : No data available

##### **ethanol:**

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

##### **Alcohols, C12-15, ethoxylated propoxylated:**

Remarks : No data available

### **Germ cell mutagenicity**

Not classified based on available information.

#### **Components:**

##### **dimethyldioctylammonium chloride:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: Metabolic activation  
Method: OECD Test Guideline 471  
Result: Non mutagenic  
GLP: yes  
Remarks: The toxicological data has been taken from products of similar composition.

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

##### **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

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Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### **Alcohols, C12-15, ethoxylated propoxylated:**

Germ cell mutagenicity- Assessment : No data available

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Species : Mouse, male and female  
Application Route : Oral  
Dose : 0-100-500-1000 parts per million  
Frequency of Treatment : täglich  
NOAEL : 76.3 mg/kg bw/day  
Method : OECD Test Guideline 451  
GLP : yes  
Remarks : The toxicological data has been taken from products of similar composition.

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

#### **ethanol:**

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

### **Alcohols, C12-15, ethoxylated propoxylated:**

Carcinogenicity - Assessment : No data available

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Effects on fertility : Species: Rat, male and female  
Application Route: Ingestion  
Dose: 0-300-750-1500 parts per million  
Method: OECD Test Guideline 416  
Result: No effects on fertility and early embryonic development were detected.  
Remarks: The toxicological data has been taken from products of similar composition.

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

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### **ethanol:**

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

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

### **Alcohols, C12-15, ethoxylated propoxylated:**

Reproductive toxicity - Assessment : No data available

### **STOT - single exposure**

Not classified based on available information.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Remarks : No data available

### **ethanol:**

Remarks : No data available

### **Alcohols, C12-15, ethoxylated propoxylated:**

Remarks : No data available

### **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

#### **dimethyldioctylammonium chloride:**

Remarks : No data available

### **ethanol:**

Remarks : No data available

### **Alcohols, C12-15, ethoxylated propoxylated:**

Remarks : No data available

### **Repeated dose toxicity**

### **Components:**

#### **dimethyldioctylammonium chloride:**

Species : Rat, male and female  
NOAEL : 37 mg/kg  
Application Route : Oral  
Exposure time : 13 Weeks

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Dose : 0-100-300-600-1000-3000  
Method : OECD Test Guideline 408  
Remarks : Based on data from similar materials

### **ethanol:**

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

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks : No data is available on the product itself.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Product:**

Toxicity to microorganisms : EC50 : 520 mg/l  
Method: OECD 209  
Remarks: The toxicological data has been taken from products of similar composition.

#### **Components:**

##### **dimethyldioctylammonium chloride:**

Toxicity to fish : LC50 (Oncorhynchus mykiss): 0.35 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 0.01 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 10

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### **ethanol:**

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

### **Alcohols, C12-15, ethoxylated propoxylated:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss): 0.61 - 0.75 mg/l  
Exposure time: 96 h  
Test Type: static test
- Toxicity to daphnia and other : EC50 (Daphnia magna): 0.17 - 0.25 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Type: static test
- M-Factor (Acute aquatic tox- : 1  
icity)
- Toxicity to microorganisms :  
Remarks: No data available

## **12.2 Persistence and degradability**

### **Product:**

- Biodegradability : Result: Readily biodegradable.  
Method: OECD 301D / EEC 84/449 C6  
Remarks: The toxicological data has been taken from prod-  
ucts of similar composition.

### **Components:**

#### **dimethyldioctylammonium chloride:**

- Biodegradability : Result: rapidly biodegradable  
Biodegradation: 73 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301  
Remarks: The 10 day time window criterion is not fulfilled.

### **ethanol:**

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

### **Alcohols, C12-15, ethoxylated propoxylated:**

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Biodegradability : Result: Biodegradable  
Biodegradation: 29 %  
Method: OECD Test Guideline 301C

### 12.3 Bioaccumulative potential

#### Components:

##### **dimethyldioctylammonium chloride:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

##### **ethanol:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-  
octanol/water : log Pow: -0.14  
Method: Calculated value

##### **Alcohols, C12-15, ethoxylated propoxylated:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

#### Components:

##### **ethanol:**

Mobility : Remarks: No data available

##### **Alcohols, C12-15, ethoxylated propoxylated:**

Mobility : Remarks: No data available

### 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.

#### Components:

##### **dimethyldioctylammonium chloride:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to

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REACH Article 57(f) or Commission Delegated regulation  
(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at  
levels of 0.1% or higher.

Additional ecological information : None known.

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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 : UN 1903

IMDG : UN 1903

IATA : UN 1903

### 14.2 UN proper shipping name

ADR : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.  
(dimethyldioctylammonium chloride)

IMDG : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.  
(dimethyldioctylammonium chloride)

IATA : Disinfectant, liquid, corrosive, n.o.s.  
(dimethyldioctylammonium chloride)

### 14.3 Transport hazard class(es)

ADR : 8

IMDG : 8

IATA : 8

### 14.4 Packing group

ADR  
Packing group : III  
Classification Code : C9  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

IMDG  
Packing group : III



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Labels : 8  
EmS Code : F-A, S-B

### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 856  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

### **IATA (Passenger)**

Packing instruction (passenger aircraft) : 852  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

## **14.5 Environmental hazards**

### **ADR**

Environmentally hazardous : yes

### **IMDG**

Marine pollutant : yes

## **14.6 Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country 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

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emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 1.55 %

according to Detergents Regulation EC 648/2004 : less than 5 %: Non-ionic surfactants, Soap

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

TCSI : On the inventory, or in compliance with the inventory  
TSCA : All substances listed as active on the TSCA inventory  
AIIIC : On the inventory, or in compliance with the inventory  
DSL : All components of this product are on the Canadian DSL  
  
ENCS : Not in compliance with the inventory  
ISHL : Not in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
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.  
H301 : Toxic if swallowed.  
H310 : Fatal in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### **Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Skin Corr. : Skin corrosion

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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 Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - 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:

|                   |      |
|-------------------|------|
| Skin Corr. 1B     | H314 |
| Eye Dam. 1        | H318 |
| Aquatic Chronic 1 | H410 |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.