

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

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

#### 1.1 Product identifier

FD 312 Flächen-Desinfektion  
Unique Formula Identifier : 6XTQ-DYY9-8806-7QP5

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

##### Relevant identified uses

FD 312 is an aldehyde-free preparation for the disinfection and cleaning of all washable surfaces and objects (practice inventory, patient chairs, medical equipment, etc.).

##### Products Category [PC]

PC 8 - Biocidal products

##### Uses advised against

None, if handled according to order.

##### Remark

The product is intended for professional use.

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

##### Supplier

orochemie GmbH + Co. KG

**Street :** Max-Planck-Straße 27

**Postal code/City :** 70806 Kornwestheim

**Telephone :** +49 7154 1308-0

**Telefax :** +49 7154 1308-40

**Information contact :** DÜRR DENTAL SE, Höpfigheimer Str. 17, 74321 Bietigheim-Bissingen, Germany  
Tel: +49 7142 705-0, Fax: +49 7142 705-500, info@duerrdental.com  
in Great Britain/Ireland:  
DÜRR DENTAL [Products] UK Ltd., 14 Linnell Way - Telford Way Industrial Estate, Kettering Northants NN16 8PS,  
United Kingdom, info@duerruk.com

#### 1.4 Emergency telephone number

INT: +49 6132 84463 (24 h/7 d)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

##### Classification procedure

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

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Corrosion (GHS05) · Environment (GHS09)

### Signal word

Danger

### Hazard components for labelling

BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5

### Hazard statements

H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P280 Wear protective gloves and eye/face protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P353 Rinse skin with water [or shower].  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container to hazardous or special waste collection point.

### 2.3 Other hazards

The mixture contains < 0.1 % substances with potential endocrine disrupting properties. The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

FD 312 contains quaternary ammonium compounds, non-ionic and amphoteric surfactants, alkaline cleaning components, complexing agents, hexyl cinnamal, linalool, butyl phenyl methyl propional, fragrances and auxiliary agents in aqueous solution.

#### Hazardous ingredients

BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; REACH No. : 01-2119965180-41 ; EC No. : 269-919-4; CAS No. : 68391-01-5

Weight fraction :  $\geq 5 - < 10 \%$   
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410  
Specific Conc. Limits : (M Chronic=1) • (M Acute=10)

FATTY ALCOHOL POLYGLYCOL ETHER ; REACH No. : Polymer ; CAS No. : 26183-52-8

Weight fraction :  $\geq 3 - < 5 \%$   
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318

SODIUM ETHYLENEDIAMINETETRAACETATE ; REACH No. : 01-2119486762-27 ; EC No. : 200-573-9; CAS No. : 64-02-8

Weight fraction :  $\geq 1 - < 3 \%$   
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

TRISODIUM NITRILOTRIACETATE ; REACH No. : 01-2119519239-36 ; EC No. : 225-768-6; CAS No. : 5064-31-3

Weight fraction :  $\geq 1 - < 3 \%$   
Classification 1272/2008 [CLP] : Carc. 2 ; H351 Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319

TETRAPOTASSIUM DIPHOSPHATE ; REACH No. : 01-2119489369-18 ; EC No. : 230-785-7; CAS No. : 7320-34-5

Weight fraction :  $\geq 1 - < 3 \%$   
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

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COCAMIDOPRPOYLAMINE OXIDE ; REACH No. : 01-2119978229-22 ; EC No. : 939-581-9; CAS No. : 1471314-81-4

Weight fraction :  $\geq 1 - < 2,5 \%$

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 Aquatic Chronic 3 ; H412

HEXYL CINNAMAL ; REACH No. : 01-2119533092-50 ; EC No. : 202-983-3; CAS No. : 101-86-0

Weight fraction :  $< 0,05 \%$

Classification 1272/2008 [CLP] : Skin Sens. 1B ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 2 ; H411

Specific Conc. Limits : (M Acute=1)

LINALOOL ; REACH No. : 01-2119474016-42 ; EC No. : 201-134-4; CAS No. : 78-70-6

Weight fraction :  $< 0,05 \%$

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1B ; H317 Eye Irrit. 2 ; H319

BUTYLPHENYL METHYLPROPIONAL ; REACH No. : 01-2119485965-18 ; EC No. : 201-289-8; CAS No. : 80-54-6

Weight fraction :  $< 0,05 \%$

Classification 1272/2008 [CLP] : Repr. 1B ; H360Fd Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1B ; H317 Aquatic Chronic 3 ; H412

### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Wash with plenty of water. When in doubt or if symptoms are observed, get medical advice.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion

If swallowed, immediately drink: Water Never give anything by mouth to an unconscious person or a person with cramps. Do NOT induce vomiting. Call a physician immediately.

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

Causes skin irritation. Causes serious eye damage.

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

If unconscious but breathing normally, place in recovery position and seek medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray jet Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

Full water jet

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

None known.

#### Hazardous combustion products

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None known.

### 5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

#### Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. See protective measures under point 7 and 8.

#### For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

#### For emergency responders

##### Personal protection equipment

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### Other information

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum. Handle and open container with care. Provide adequate ventilation. Do not breathe vapour/aerosol.

#### Protective measures

##### Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

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

#### Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed and in a well-ventilated place.

#### Hints on joint storage

Store the foodstuffs separately.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL-/PNEC-values

There are no data available on the preparation itself.

#### DNEL/DMEL

BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5

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Limit value type : DNEL Consumer (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 3,4 mg/kg  
Assessment factor : 24 h

Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,64 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 3,4 mg/kg  
Assessment factor : 24 h

Limit value type : DMEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 5,7 mg/kg  
Assessment factor : 24 h

Limit value type : DMEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 3,96 mg/m<sup>3</sup>

SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8

Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,5 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 1,5 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,5 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 1,5 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 25 mg/kg  
Assessment factor : 24 h

Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2,5 mg/m<sup>3</sup>

Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 2,5 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation

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---

Exposure frequency : Long-term  
Limit value : 2,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 2,5 mg/m<sup>3</sup>

TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3  
Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 1,75 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 1,75 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,5 mg/kg  
Assessment factor : 24 h  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 5,25 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 3,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 5,25 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 3,5 mg/m<sup>3</sup>

TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,68 mg/l  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : > 70 mg/kg  
Assessment factor : 24 h  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 10,87 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2,79 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)

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---

Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 44,08 mg/m<sup>3</sup>  
COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4  
Limit value type : DNEL/DMEL (Consumer)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,87 mg/m<sup>3</sup>  
Limit value type : DNEL/DMEL (Consumer)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 2,5 mg/kg  
Assessment factor : 24 h  
Limit value type : DNEL/DMEL (Consumer)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 0,25 mg/kg  
Assessment factor : 24 h  
Limit value type : DNEL/DMEL (Worker)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 3,52 mg/m<sup>3</sup>  
Limit value type : DNEL/DMEL (Worker)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 5 mg/kg  
HEXYL CINNAMAL ; CAS No. : 101-86-0  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Short-term  
Limit value : 6,28 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 525 µg/cm<sup>2</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Dermal  
Exposure frequency : Short-term  
Limit value : 525 µg/cm<sup>2</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,078 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 18,2 mg/kg bw  
Assessment factor : 24 h  
LINALOOL ; CAS No. : 78-70-6  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2,8 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation

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Exposure frequency : Short-term  
Limit value : 16,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 2,5 mg/kg bw  
Assessment factor : 24 h  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Short-term  
Limit value : 5 mg/kg bw  
Assessment factor : 24 h  
BUTYLPHENYL METHYLPROPIONAL ; CAS No. : 80-54-6  
Limit value type : DNEL worker (local)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 410 µg/cm<sup>2</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Dermal  
Exposure frequency : Short-term  
Limit value : 410 µg/cm<sup>2</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,44 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 1,79 mg/kg bw  
Assessment factor : 24 h

### PNEC

BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 0,0009 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 0,00016 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,00009 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 12,27 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 13,09 mg/kg  
Limit value type : PNEC (Soil)  
Limit value : 7 mg/kg  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 0,4 mg/l  
SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 2,2 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 1,2 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,22 mg/l  
Limit value type : PNEC Soil, Freshwater  
Limit value : 0,72 mg/kg



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Limit value type : PNEC (Sewage treatment plant)  
Limit value : 43 mg/l

TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3  
Limit value type : PNEC (Aquatic, freshwater)  
Exposure route : Water (Including sewage plant)  
Limit value : 0,93 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 0,915 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Exposure route : Water (Including sewage plant)  
Limit value : 0,093 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Exposure route : Soil  
Limit value : 3,64 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Exposure route : Soil  
Limit value : 0,364 mg/kg  
Limit value type : PNEC Soil, Freshwater  
Exposure route : Soil  
Limit value : 0,182 mg/kg  
Limit value type : PNEC (Secondary poisoning)  
Limit value : 0,2 mg/kg  
Limit value type : PNEC (Sewage treatment plant)  
Exposure route : Water (Including sewage plant)  
Limit value : 540 mg/l

TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 0,05 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 0,5 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,005 mg/l  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 50 mg/l

COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 0,0303 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,00303 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 0,214 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 0,0214 mg/kg  
Limit value type : PNEC (Soil)  
Limit value : 0,00003 mg/kg  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 9,7 µg/l

HEXYL CINNAMAL ; CAS No. : 101-86-0  
Limit value type : PNEC (Aquatic, freshwater)  
Exposure time : Short-term  
Limit value : 0,001 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Exposure time : Short-term  
Limit value : 0 mg/l  
Limit value type : PNEC (Sediment, freshwater)

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Exposure time :	Short-term
Limit value :	3,2 mg/kg
Limit value type :	PNEC (Sediment, marine water)
Exposure time :	Short-term
Limit value :	0,064 mg/kg
Limit value type :	PNEC (Soil)
Exposure time :	Short-term
Limit value :	0,398 mg/kg
Limit value type :	PNEC (Sewage treatment plant)
Exposure time :	Short-term
Limit value :	10 mg/l
LINALOOL ; CAS No. : 78-70-6	
Limit value type :	PNEC (Aquatic, freshwater)
Exposure time :	Short-term
Limit value :	0,2 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Exposure time :	Short-term
Limit value :	0,02 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Exposure time :	Short-term
Limit value :	2,22 mg/kg
Limit value type :	PNEC (Sediment, marine water)
Exposure time :	Short-term
Limit value :	0,222 mg/kg
Limit value type :	PNEC (Soil)
Exposure time :	Short-term
Limit value :	0,327 mg/kg
Limit value type :	PNEC (Sewage treatment plant)
Exposure time :	Short-term
Limit value :	10 mg/l
BUTYLPHENYL METHYLPROPIONAL ; CAS No. : 80-54-6	
Limit value type :	PNEC (Aquatic, freshwater)
Exposure time :	Short-term
Limit value :	0,004 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Exposure time :	Short-term
Limit value :	0 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Exposure time :	Short-term
Limit value :	0,528 mg/kg
Limit value type :	PNEC (Sediment, marine water)
Exposure time :	Short-term
Limit value :	0,053 mg/kg
Limit value type :	PNEC (Soil)
Exposure time :	Short-term
Limit value :	0,103 mg/kg
Limit value type :	PNEC (Sewage treatment plant)
Exposure time :	Short-term
Limit value :	10 mg/l

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection EN 166

##### Skin protection

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**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

### Hand protection

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

### Body protection

Body protection: not required.

### Respiratory protection

Usually no personal respiratory protection necessary.

### General information

Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

### Other protection measures

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** Liquid

**Colour :** green

**Odour :** aromatic

#### Safety characteristics

<b>Melting point/freezing point :</b>	( 1013 hPa )		not determined
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	approx.	100 °C
<b>Decomposition temperature :</b>	( 1013 hPa )		not determined
<b>Flash point :</b>			not applicable
<b>Auto-ignition temperature :</b>			not applicable
<b>Lower explosion limit :</b>			not applicable
<b>Upper explosion limit :</b>			not applicable
<b>Vapour pressure :</b>	( 50 °C )		not determined
<b>Density :</b>	( 20 °C )	approx.	1,04 g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )	<	3 %
<b>Water solubility :</b>	( 20 °C )		100 Weight-%
<b>pH value :</b>			12,5 - 13,5
<b>pH value :</b>	( 20 °C / 20 g/l )		9 - 10
<b>log P O/W :</b>			not applicable
<b>Flow time :</b>	( 20 °C )	<	20 s
<b>Odour threshold :</b>			No data available
<b>Maximum VOC content (EC) :</b>			0,2 Weight-%
<b>Oxidising liquids :</b>			Not applicable.
<b>Explosive properties :</b>			Not applicable.
<b>Corrosive to metals :</b>			Not applicable.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None, if handled according to order.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : FD 312 Flächen-Desinfektion  
Revision date : 04.01.2023  
Print date : 29.03.2023

Version (Revision) : 5.0.0 (4.0.0)

## 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7). Reactions with acids: development of heat.

## 10.3 Possibility of hazardous reactions

Reactions with acids possible

## 10.4 Conditions to avoid

No information available.

## 10.5 Incompatible materials

Acid

## 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

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

#### Acute toxicity

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

##### Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	5613 mg/kg
Method :	OECD 401
Parameter :	ATEmix
Exposure route :	Oral
Effective dose :	4524 mg/kg
Parameter :	ATE ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 97043-91-9 )
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE ( BUTYLPHENYL METHYLPROPIONAL ; CAS No. : 80-54-6 )
Exposure route :	Oral
Effective dose :	500 mg/kg

##### Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg
Method :	OECD 402
Parameter :	ATEmix
Exposure route :	Dermal
Effective dose :	16923 mg/kg
Parameter :	ATE ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )
Exposure route :	Dermal
Effective dose :	1100 mg/kg

##### Acute inhalation toxicity

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

---

Parameter : ATEmix  
Exposure route : Inhalation (vapour)  
Effective dose : not relevant  
Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 30 mg/l  
Exposure time : 6 h  
Parameter : LC50 ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5 mg/l  
Exposure time : 4 h  
Parameter : LC50 ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 4,25 mg/l  
Exposure time : 4 h  
Method : OECD 403  
Parameter : LC50 ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 1,1 mg/l  
Method : OECD 403

### Corrosion

In vitro skin corrosion: irritant. Method : Human Skin Model (HSM) test Method : OECD 437.

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. Guinea-pig: non-sensitizing. Method : OECD 406. 1 % solution.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

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

#### Germ cell mutagenicity

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

#### Reproductive toxicity

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

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

The mixture contains < 0.1 % substances with potential endocrine disrupting properties.

### Additional information

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : FD 312 Flächen-Desinfektion  
Revision date : 04.01.2023  
Print date : 29.03.2023

Version (Revision) : 5.0.0 (4.0.0)

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity

Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

##### Acute (short-term) fish toxicity

Parameter :	LC50 ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	0,28 mg/l
Exposure time :	96 h
Parameter :	LC50 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 26183-52-8 )
Species :	Fish
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	1 - 10 mg/l
Exposure time :	96 h
Parameter :	LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )
Species :	Lepomis macrochirus (Bluegill)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	951 mg/l
Exposure time :	96 h
Parameter :	LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )
Species :	Leuciscus idus (golden orfe)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	2040 mg/l
Exposure time :	96 h
Parameter :	LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )
Species :	Lepomis macrochirus (Bluegill)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 100 mg/l
Exposure time :	96 h
Parameter :	LC50 ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 100 mg/l
Exposure time :	96 h
Parameter :	LC50 ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 100 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 97043-91-9 )
Species :	Danio rerio (zebrafish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	1 - 10 mg/l
Exposure time :	96 h
Parameter :	LC50 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )
Species :	Danio rerio (zebrafish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	5,9 mg/l
Parameter :	LC50 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

Effective dose : 0,68 mg/l  
Exposure time : 96 h  
Method : OECD 203  
Parameter : LC50 ( LINALOOL ; CAS No. : 78-70-6 )  
Species : Fish  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 27,8 mg/l  
Exposure time : 96 h

### Chronic (long-term) fish toxicity

Parameter : NOEC ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,032 mg/l  
Exposure time : 816 h  
Parameter : NOEC ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Danio rerio (zebrafish)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : >= 36,9 mg/l  
Exposure time : 840 h  
Method : OECD 210  
Parameter : NOEC ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : > 54 mg/l  
Exposure time : 5376 h  
Parameter : NOEC ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 100 mg/l  
Exposure time : 96 h  
Method : OECD 203  
Parameter : NOEC ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,42 mg/l  
Exposure time : 7248 h

### Acute (short-term) toxicity to crustacea

Parameter : Acute (short-term) daphnia toxicity  
Species : Daphnia magna (Big water flea)  
Effective dose : 0,589 mg/l  
Exposure time : 24 h  
Method : OECD 202  
Parameter : Acute (short-term) daphnia toxicity  
Species : Daphnia magna (Big water flea)  
Effective dose : 0,26 mg/l  
Exposure time : 48 h  
Method : OECD 202

### Chronic (long-term) toxicity to aquatic invertebrate

Parameter : NOEC  
Species : Daphnia magna (Big water flea)  
Effective dose : 0,125 mg/l  
Exposure time : 48 h

### Acute (short-term) toxicity to algae and cyanobacteria

Parameter : ErC50 ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )  
Species : Pseudokirchneriella subcapitata

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

Evaluation parameter : Inhibition of growth rate  
Effective dose : 0,049 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : EC50 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 26183-52-8 )  
Species : Algae  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 1 - 10 mg/l  
Exposure time : 72 h  
Method : DIN 38412 / part 9  
Parameter : EC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Algae  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h  
Parameter : EC50 ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 91,5 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : EC50 ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : EC50 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 97043-91-9 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 1 - 10 mg/l  
Exposure time : 72 h  
Parameter : EC50 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 0,705 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : ErC50 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 341 mg/l  
Parameter : EC50 ( LINALOOL ; CAS No. : 78-70-6 )  
Species : Algae  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 141,4 mg/l  
Exposure time : 96 h

### Chronic (long-term) toxicity to aquatic algae and cyanobacteria

Parameter : NOEC ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )  
Species : Algae  
Evaluation parameter : Chronic (long-term) algae toxicity  
Effective dose : 0,009 mg/l  
Parameter : NOEC ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )  
Species : Algae  
Evaluation parameter : Chronic (long-term) algae toxicity



# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

Effective dose : > 100 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : NOEC ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Chronic (long-term) algae toxicity  
Effective dose : 0,303 mg/l  
Exposure time : 72 h  
Method : OECD 201

### Toxicity to microorganisms

Parameter : EC50 ( BENZYL DIMETHYL ALKYL AMMONIUM CHLORIDE ; CAS No. : 68391-01-5 )  
Species : Bacteria toxicity  
Effective dose : 7,75 mg/l  
Exposure time : 3 h  
Method : OECD 209  
Parameter : EC10 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 26183-52-8 )  
Evaluation parameter : Bacteria toxicity  
Effective dose : 48 mg/l  
Exposure time : 17 h  
Method : DIN 38412 / part 8  
Parameter : EC50 ( TRISODIUM NITRILOTRIACETATE ; CAS No. : 5064-31-3 )  
Species : Pseudomonas fluorescens  
Evaluation parameter : Bacteria toxicity  
Effective dose : 3200 - 5600 mg/l  
Exposure time : 8 h  
Method : DIN 38412 / part 8  
Parameter : EC50 ( TETRAPOTASSIUM DIPHOSPHATE ; CAS No. : 7320-34-5 )  
Evaluation parameter : Bacteria toxicity  
Effective dose : > 1000 mg/l  
Exposure time : 3 h  
Parameter : EC50 ( FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 97043-91-9 )  
Evaluation parameter : Bacteria toxicity  
Effective dose : > 1 mg/l  
Parameter : EC50 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Bacteria toxicity  
Effective dose : 970 mg/l  
Parameter : EC10 ( COCAMIDOPRPOYLAMINE OXIDE ; CAS No. : 1471314-81-4 )  
Species : Bacteria toxicity  
Effective dose : 32 mg/l  
Parameter : EC50 ( LINALOOL ; CAS No. : 78-70-6 )  
Species : Bacteria toxicity  
Effective dose : > 100 mg/l  
Exposure time : 3 h

### Terrestrial toxicity

#### Toxicity to soil macroorganisms except of arthropods

##### Acute earthworm toxicity

Parameter : LC50 ( SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8 )  
Species : Acute earthworm toxicity  
Effective dose : 156 mg/kg  
Exposure time : 336 h  
Method : OECD 207

## 12.2 Persistence and degradability

### Abiotic degradation

No data available.

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

### Biodegradation

The product is easily biodegradable according to OECD criteria. The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

#### Distribution

There are no data available on the preparation itself.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

The mixture contains < 0.1 % substances with potential endocrine disrupting properties.

### 12.7 Other adverse effects

No information available.

### 12.8 Additional ecotoxicological information

Prevent from flowing into surface water/ground water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

##### After intended use

##### Disposal operations

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Recovery operations

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

##### Waste codes/waste designations according to EWC/AVV

Concentrate/larger quantities: 18 01 06\* (disinfectant).

## SECTION 14: Transport information

### 14.1 UN number

UN 3082

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALKYL-BENZYL-DIMETHYL AMMONIUM CHLORIDE)

#### Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALKYL-BENZYL-DIMETHYL AMMONIUM CHLORIDE)

#### Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALKYL-BENZYL-DIMETHYL AMMONIUM CHLORIDE)

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

**Class(es) :** 9  
**Classification code :** M6  
**Hazard identification number (Kemler No.) :** 90  
**Tunnel restriction code :** -

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : FD 312 Flächen-Desinfektion  
Revision date : 04.01.2023  
Print date : 29.03.2023

Version (Revision) : 5.0.0 (4.0.0)

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**Special Provisions :** LQ 5 I · E 1  
**Hazard label(s) :** 9 / N  
**Sea transport (IMDG)**  
**Class(es) :** 9  
**EmS-No. :** F-A / S-F  
**Special Provisions :** LQ 5 I · E 1 · IMDG-Code segregation group 18 - Alkalis  
**Hazard label(s) :** 9 / N  
**Air transport (ICAO-TI / IATA-DGR)**  
**Class(es) :** 9  
**Special Provisions :** E 1  
**Hazard label(s) :** 9 / N

### 14.4 Packing group

III

### 14.5 Environmental hazards

**Land transport (ADR/RID) :** Yes  
**Sea transport (IMDG) :** Yes (P)  
**Air transport (ICAO-TI / IATA-DGR) :** Yes

### 14.6 Special precautions for user

None

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

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3, 40, 75

##### National regulations

##### Restrictions of occupation

According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 12. Aquatic toxicity · 15. Restrictions on use

### 16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimates  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CMR = Carcinogen, Mutagen or Reproductive toxicant  
CO<sub>2</sub> = Carbon dioxide  
DMEL = Derived Minimal Effect Level

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

DNEL = Derived No Effect Level  
EC = European Commission  
EC50 = Half maximal effective concentration  
EN = European Standard (Norm)  
EU = European Union  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
H statement = GHS Hazard statement  
IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions  
IMDG = International Maritime Dangerous Goods  
LC50 = Median lethal concentration  
LD50 = Median lethal dose  
LogPow = Logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NOEC/NOEL = No observed effect concentration/level  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RMM = Risk Management Measure  
RRN = REACH Registration Number  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
SVHC = Substances of Very High Concern  
TLV/STEL = Threshold limit value/short-term exposure limit  
TLV/TWA = Threshold limit value/time weighted average  
UN = United Nations  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6 Training advice

None

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name :** FD 312 Flächen-Desinfektion  
**Revision date :** 04.01.2023  
**Print date :** 29.03.2023

**Version (Revision) :** 5.0.0 (4.0.0)

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### 16.7 Additional information

Follow the instructions for use on the label.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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