

# Safety Data Sheet

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

Trade name : ID 220 Bohrer-Desinfektion  
Revision date : 23.11.2022  
Print date : 23.11.2022

Version (Revision) : 5.0.0 (4.0.0)

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

### 1.1 Product identifier

ID 220 Bohrer-Desinfektion  
Unique Formula Identifier : WUVH-0AWF-M60P-1QFA

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

#### Relevant identified uses

ID 220 is a ready-diluted solution for the disinfection and cleaning of rotary instruments (drills, diamonds, root canal instruments etc.).

#### Products Category [PC]

PC 0 - Other  
Disinfectants

#### 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]

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

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.

#### 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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Flame (GHS02) · Corrosion (GHS05)

### Signal word

Danger

### Hazard components for labelling

1-PROPANOL ; CAS No. : 71-23-8

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

### Hazard statements

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H315 Causes skin irritation.

### Precautionary statements

P211 Do not spray on an open flame or other ignition source.

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.

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 does not contain any substances that have 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

ID 220 contains alcohols, potassium hydroxide, corrosion inhibitors and auxiliary agents in aqueous solution.

#### Hazardous ingredients

1-PROPANOL ; REACH No. : 01-2119486761-29 ; EC No. : 200-746-9 ; CAS No. : 71-23-8

Weight fraction :  $\geq 15 - < 20$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Dam. 1 ; H318 STOT SE 3 ; H336

POTASSIUM HYDROXIDE ; REACH No. : 01-2119487136-33 ; EC No. : 215-181-3 ; CAS No. : 1310-58-3

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

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

Specific Conc. Limits : Skin Corr. 1A ; H314: C  $\geq 5$  % • Eye Dam. 1 ; H318: C  $\geq 2$  % • Skin Corr. 1B ; H314: C  $\geq 2$  % • Skin Corr. 1C ; H314: C  $\geq 2$  % • Eye Irrit. 2 ; H319: C  $\geq 0,5$  % • Skin Irrit. 2 ; H315: C  $\geq 0,5$  %

#### 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

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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 serious eye damage. Irritating to skin.

### 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

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

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Provide adequate ventilation. 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

Keep away from sources of ignition - No smoking. 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

Do not store together with oxidizing, self-igniting substances and highly flammable solid substances. Store the foodstuffs separately.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

1-PROPANOL ; CAS No. : 71-23-8

Limit value type (country of origin) : TLV/STEL ( GB )

Limit value : 250 ppm / 625 mg/m<sup>3</sup>

Limit value type (country of origin) : TLV/TWA ( GB )

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

Limit value type (country of origin) : TLV/STEL ( GB )

Limit value : 2 mg/m<sup>3</sup>

#### DNEL-/PNEC-values

There are no data available on the preparation itself.

#### DNEL/DMEL

1-PROPANOL ; CAS No. : 71-23-8

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : 1036 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 81 mg/kg

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 80 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 61 mg/kg

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : 1723 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

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Exposure frequency : Long-term  
Limit value : 136 mg/kg  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 268 mg/m<sup>3</sup>  
POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3  
Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1 mg/m<sup>3</sup>

### PNEC

1-PROPANOL ; CAS No. : 71-23-8

Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 10 mg/l  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 6,83 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 1 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,683 mg/l  
Limit value type : PNEC (Industrial)  
Exposure route : Soil  
Limit value : 2,2 mg/kg  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 22,8 mg/kg  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 27,5 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 2,28 mg/kg  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 2,75 mg/kg  
Limit value type : PNEC (Soil)  
Limit value : 1,49 mg/kg  
Limit value type : PNEC (Sewage treatment plant)  
Exposure route : Water (Including sewage plant)  
Limit value : 96 mg/l

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

Eye glasses with side protection EN 166

#### Skin protection

##### 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

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Body protection: not required.

### Respiratory protection

Usually no personal respirative 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 :** light blue

**Odour :** Alcohol

#### 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>			33	°C
<b>Auto-ignition temperature :</b>			360	°C
<b>Lower explosion limit :</b>			2,1	Vol-%
<b>Upper explosion limit :</b>			13,5	Vol-%
<b>Density :</b>	( 20 °C )	approx.	1	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>		>	13	
<b>Flow time :</b>	( 20 °C )	<	20	s      DIN-cup 4 mm
<b>Odour threshold :</b>				not determined
<b>Maximum VOC content (EC) :</b>			20	Weight-%
<b>Oxidising liquids :</b>				Not applicable.
<b>Explosive properties :</b>				Not applicable.
<b>Corrosive to metals :</b>				Not corrosive to metals.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None, if handled according to order.

### 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

No information available.

### 10.6 Hazardous decomposition products

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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 :	5078 mg/kg
Method :	OECD 401
Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	25641 mg/kg
Parameter :	ATE ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )
Exposure route :	Oral
Effective dose :	500 mg/kg

##### Practical experience/human evidence

Skin and eye contact: frequent and long lasting contact may cause irritation and skin inflammation.

##### Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	not relevant
Parameter :	LD50 ( 1-PROPANOL ; CAS No. : 71-23-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	4000 - 10000 mg/kg
Parameter :	LD50 ( 1-PROPANOL ; CAS No. : 71-23-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	4032 mg/kg

##### Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalation (vapour)
Effective dose :	not relevant
Parameter :	LC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 33,8 mg/l
Exposure time :	4 h
Method :	OECD 403

##### Corrosion

##### 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.

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

##### Carcinogenicity

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

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### **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 does not contain any substances that have 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.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Aquatic toxicity**

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

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

Parameter :	LC50 ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )
Species :	Gambusia affinis (Mosquito fish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	80 mg/l
Exposure time :	96 h
Parameter :	LC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	4480 mg/l
Exposure time :	96 h
Parameter :	LC50 ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )
Species :	Poecilia reticulata (Guppy)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	165 mg/l
Exposure time :	24 h

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

Parameter :	EC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	3644 mg/l
Exposure time :	48 h

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

Parameter :	NOEC ( 1-PROPANOL ; CAS No. : 71-23-8 )
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Chronic (long-term) daphnia toxicity
Effective dose :	> 100 mg/l
Exposure time :	504 h
Method :	OECD 211

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



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Parameter : EC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Inhibition of growth rate  
Effective dose : 3100 mg/l  
Exposure time : 168 h  
Parameter : EC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 9170 mg/l  
Exposure time : 48 h

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

Parameter : NOEC ( 1-PROPANOL ; CAS No. : 71-23-8 )  
Species : Algae  
Evaluation parameter : Chronic (long-term) algae toxicity  
Effective dose : 1150 mg/l  
Exposure time : 48 h

### Toxicity to microorganisms

Parameter : EC50 ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )  
Evaluation parameter : Bacteria toxicity  
Effective dose : 22 mg/l  
Exposure time : 15 min  
Parameter : EC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )  
Species : Pseudomonas putida  
Evaluation parameter : Bacteria toxicity  
Effective dose : 2700 mg/l  
Exposure time : 16 h  
Parameter : EC50 ( 1-PROPANOL ; CAS No. : 71-23-8 )  
Evaluation parameter : Bacteria toxicity  
Effective dose : > 1000 mg/l  
Exposure time : 3 h  
Method : OECD 209

## 12.2 Persistence and degradability

### Abiotic degradation

No data available.

### Biodegradation

The product is easily biodegradable according to OECD criteria. OECD 301 D. In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

## 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 does not contain any substances that have 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

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### 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 2924

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

FLAMMABLE LIQUID, CORROSIVE, N.O.S. ( N-PROPANOL · POTASSIUM HYDROXIDE )

#### Sea transport (IMDG)

FLAMMABLE LIQUID, CORROSIVE, N.O.S. ( N-PROPANOL · POTASSIUM HYDROXIDE )

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

FLAMMABLE LIQUID, CORROSIVE, N.O.S. ( N-PROPANOL · POTASSIUM HYDROXIDE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 3  
Classification code : FC  
Hazard identification number (Kemler No.) : 38  
Tunnel restriction code : D/E  
Special provisions : LQ 5 | · E 1  
Hazard label(s) : 3 / 8

#### Sea transport (IMDG)

Class(es) : 3  
EmS-No. : F-E / S-C  
Special provisions : LQ 5 | · E 1 · IMDG-Code segregation group 18 - Alkalis  
Hazard label(s) : 3 / 8

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

Class(es) : 3 / 8  
Special provisions : E 1  
Hazard label(s) : 3 / 8

### 14.4 Packing group

III

### 14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

Air transport (ICAO-TI / IATA-DGR) : No

### 14.6 Special precautions for user

None

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

not applicable

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### 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, 30, 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

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

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

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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)

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

### 16.6 Training advice

None

### 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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