

# Safety Data Sheet

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

## Disinfectant Cleaner DR

Version number: 11.0  
Replaces version of: 2014-05-23 (10)

Revision: 2020-02-28  
First version: 2003-05-20

### 1.1 Product identifier

**Product Code:** 1200  
**Trade name:** Disinfectant Cleaner DR

**Registration number (REACH):** not relevant (mixture)

**CAS number:** not relevant (mixture)

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

**Relevant identified uses** Disinfectants  
Cleaning agent

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

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**National contact** ++49 (0) 2261 910 91 25

### 1.4 Emergency telephone number

As above or next toxicological information centre.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	1B	Skin Corr. 1B	H314
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
4.1A	hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400

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Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

for full text of abbreviations: see SECTION 16

## The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

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

**Signal word** danger

### Pictograms



GHS05, GHS09

### Hazard statements

**H314** Causes severe skin burns and eye damage.

**H410** Very toxic to aquatic life with long lasting effects.

### Precautionary statements

**P260** Do not breathe mist/vapours/spray.

**P273** Avoid release to the environment.

**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**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/shower.

**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P310** Immediately call a POISON CENTER/doctor.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazardous ingredients for labelling

sodium metasilicate pentahydrate  
didecyldimethylammonium chloride

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## 2.3 Other hazards

There is no additional information.

## Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.




## SECTION 3: Composition/information on ingredients

### 3.1 Substances



not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Hazardous ingredients					
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	M-Factors
sodium metasilicate pentahydrate	CAS No 10213-79-3  EC No 229-912-9  Index No 014-010-00-8	1 – < 5	Met. Corr. 1 / H290 Skin Corr. 1B / H314 Eye Dam. 1 / H318 STOT SE 3 / H335		
didecyldimethylammonium chloride	CAS No 7173-51-5  EC No 230-525-2  Index No 612-131-00-6	1 – < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Skin Corr. 1B / H314 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411		M-factor (acute) = 10.0
isotridecanol, ethoxylated	CAS No 69011-36-5	1 – < 5	Eye Dam. 1 / H318 Aquatic Chronic 3 / H412		
sodium carbonate	CAS No 497-19-8  EC No 207-838-8  Index No 011-005-00-2	1 – < 5	Eye Irrit. 2 / H319		

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Hazardous ingredients					
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	M-Factors
propan-2-ol	CAS No 67-63-0  EC No 200-661-7  Index No 603-117-00-0  REACH Reg. No 01-2119457588- 25	1 – < 5	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336	 	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

#### Following skin contact

After contact with skin, wash immediately with plenty of water.

Call a physician immediately. Causes poorly healing wounds.

#### Following eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth. Do not induce vomiting.

Get medical advice/attention if you feel unwell.

#### Notes for the doctor

none

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

These information are not availabl

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

none

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings

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

Hazardous decomposition products: Section 10.

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Do not allow firefighting water to enter drains or water courses.

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

use suitable breathing apparatus

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

Chemical protection suit.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

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

#### Advices on how to clean up a spill

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area.

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## 6.4 Reference to other sections

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

#### Specific notes/details

None.

#### Handling of incompatible substances or mixtures

Do not mix with acids.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

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

#### Flammability hazards

None.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

#### Protect against external exposure, such as

frost

#### Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

#### Ventilation requirements

Provision of sufficient ventilation.

#### Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Notation	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Source
GB	propan-2-ol	67-63-0		WEL	400	999	500	1,250	EH40/2005

#### Notation

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium metasilicate pentahydrate	10213-79-3	DNEL	6.22 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
sodium metasilicate pentahydrate	10213-79-3	DNEL	1.49 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
didecyldimethylammonium chloride	7173-51-5	DNEL	18.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
didecyldimethylammonium chloride	7173-51-5	DNEL	8.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
sodium carbonate	497-19-8	DNEL	10 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
propan-2-ol	67-63-0	DNEL	500 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
propan-2-ol	67-63-0	DNEL	888 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

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<b>Relevant PNECs of components of the mixture</b>				
<b>Name of substance</b>	<b>CAS No</b>	<b>Endpoint</b>	<b>Threshold level</b>	<b>Environmental compartment</b>
sodium metasilicate pentahydrate	10213-79-3	PNEC	7.5 mg/l	freshwater
sodium metasilicate pentahydrate	10213-79-3	PNEC	1 mg/l	marine water
sodium metasilicate pentahydrate	10213-79-3	PNEC	7.5 mg/l	water
sodium metasilicate pentahydrate	10213-79-3	PNEC	1,000 mg/l	sewage treatment plant (STP)
didecyldimethylammonium chloride	7173-51-5	PNEC	2 µg/l	freshwater
didecyldimethylammonium chloride	7173-51-5	PNEC	0.2 µg/l	marine water
didecyldimethylammonium chloride	7173-51-5	PNEC	0.29 µg/l	water
didecyldimethylammonium chloride	7173-51-5	PNEC	0.595 mg/l	sewage treatment plant (STP)
didecyldimethylammonium chloride	7173-51-5	PNEC	2.82 mg/kg	freshwater sediment
didecyldimethylammonium chloride	7173-51-5	PNEC	0.28 mg/kg	marine sediment
didecyldimethylammonium chloride	7173-51-5	PNEC	1.4 mg/kg	soil
propan-2-ol	67-63-0	PNEC	160 mg/kg	water
propan-2-ol	67-63-0	PNEC	140.9 mg/l	water
propan-2-ol	67-63-0	PNEC	140.9 mg/l	marine water
propan-2-ol	67-63-0	PNEC	2,251 mg/l	sewage treatment plant (STP)
propan-2-ol	67-63-0	PNEC	552 mg/kg	freshwater sediment
propan-2-ol	67-63-0	PNEC	552 mg/kg	marine sediment
propan-2-ol	67-63-0	PNEC	140.9 mg/l	freshwater
propan-2-ol	67-63-0	PNEC	28 mg/kg	soil



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## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Hand protection

Material	Material thickness	Breakthrough times of the glove material
no information available	no information available	no information available

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid
Form	fluid
Colour	clear - colourless - light yellow
Odour	faintly perceptible
Odour threshold	these information are not available

#### Other safety parameters

pH (value)	~13
Melting point/freezing point	these information are not available
Initial boiling point and boiling range	these information are not available
Flash point	not applicable

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Evaporation rate	these information are not available
Flammability (solid, gas)	not relevant (fluid)
<b>Explosive limits</b>	
Lower explosion limit (LEL)	these information are not available
Upper explosion limit (UEL)	these information are not available
Vapour pressure	these information are not available
Density	1.042 g/cm <sup>3</sup> at 20 °C
Vapour density	these information are not available
Relative density	these information are not available
<b>Solubility(ies)</b>	
Water solubility	miscible in any proportion
<b>Partition coefficient</b>	
n-octanol/water (log KOW)	these information are not available
Auto-ignition temperature	these information are not available
Relative self-ignition temperature for solids	not relevant (Fluid)
Decomposition temperature	these information are not available
<b>Viscosity</b>	
Kinematic viscosity	these information are not available
Dynamic viscosity	these information are not available
Explosive properties	not explosive
Oxidising properties	shall not be classified as oxidising

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

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## 10.3 Possibility of hazardous reactions

Release of flammable materials with.  
Light metals (due to the release of hydrogen in an acid/alkaline medium).

## 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

## 10.5 Incompatible materials

acids, light metals (e.g. aluminium and magnesium)

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification procedure

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

#### Acute toxicity

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
sodium metasilicate pentahydrate	10213-79-3	oral	LD50	1,349 mg/kg	rat
sodium metasilicate pentahydrate	10213-79-3	inhalation: vapour	LC50	>2.06 mg/l/4h	rat
sodium metasilicate pentahydrate	10213-79-3	dermal	LD50	>5,000 mg/kg	rat
didecyldimethylammonium chloride	7173-51-5	oral	LD50	329 mg/kg	rat
didecyldimethylammonium chloride	7173-51-5	dermal	LD50	>1,000 mg/kg	rat
sodium carbonate	497-19-8	oral	LD50	2,800 mg/kg	rat
sodium carbonate	497-19-8	dermal	LD50	>2,000 mg/kg	rabbit
propan-2-ol	67-63-0	oral	LD50	5,840 mg/kg	rat

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## **Skin corrosion/irritation**

Causes severe skin burns and eye damage.

## **Classification procedure**

The classification is based on an extreme pH value.

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

Causes serious eye damage.

## **Respiratory or skin sensitisation**

### **Skin sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Specific target organ toxicity - single exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Specific target organ toxicity - repeated exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Very toxic to aquatic organisms.

Test data are not available for the complete mixture.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium metasilicate pentahydrate	10213-79-3	LC50	210 mg/l	zebra fish (Danio rerio)	96 h
sodium metasilicate pentahydrate	10213-79-3	EC50	1,700 mg/l	daphnia magna	48 h
didecyldimethylammonium chloride	7173-51-5	EC50	0.057 mg/l	daphnia magna	48 h
didecyldimethylammonium chloride	7173-51-5	LC50	0.97 mg/l	zebra fish (Danio rerio)	96 h
didecyldimethylammonium chloride	7173-51-5	ErC50	0.062 mg/l	algae (pseudokirchneriella subcapitata)	72 h
sodium carbonate	497-19-8	LC50	300 mg/l	blue sunfish (Lepomis macrochirus)	96 h
sodium carbonate	497-19-8	EC50	200 – 227 mg/l	Ceriodaphnia dubia (water flea)	48 h
propan-2-ol	67-63-0	LC50	9,640 mg/l	fathead minnow (Pimephales promelas)	96 h
propan-2-ol	67-63-0	LC50	>10,000 mg/l	daphnia magna	24 h

#### Aquatic toxicity (chronic)

Harmful to aquatic life with long lasting effects.

Test data are not available for the complete mixture.

#### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
didecyldimethylammonium chloride	7173-51-5	EC50	0.031 mg/l	daphnia magna	21 d
didecyldimethylammonium chloride	7173-51-5	NOEC	0.021 mg/l	daphnia magna	21 d
didecyldimethylammonium chloride	7173-51-5	LOEC	0.047 mg/l	daphnia magna	21 d

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## 12.2 Persistence and degradability

### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
didecyldimethylammonium chloride	7173-51-5	oxygen depletion	69 %	28 d
didecyldimethylammonium chloride	7173-51-5	carbon dioxide generation	67 – 71 %	28 d
propan-2-ol	67-63-0	oxygen depletion	53 %	5 d

### Biodegradation

Data are not available.

### Persistence

Data are not available.

## 12.3 Bioaccumulative potential

Data are not available.

### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
didecyldimethylammonium chloride	7173-51-5		2.59 (pH value: 7, 20 °C)
propan-2-ol	67-63-0		0.05 (25 °C)

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

Data are not available.

### Endocrine disrupting potential

None of the ingredients are listed.

### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 3

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.  
Handle contaminated packages in the same way as the substance itself.

#### Remarks


Please consider the relevant national or regional provisions.

## SECTION 14: Transport information


14.1	UN number	1903
14.2	UN proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
	Technical name (hazardous ingredients)	DIDECYLDIMETHYLAMMONIUM CHLORIDE, DISODIUM TRIOXOSILICATE
14.3	Transport hazard class(es)	
	Class	8
14.4	Packing group	II
14.5	Environmental hazards	hazardous to the aquatic environment
	Environmentally hazardous substance (aquatic environment)	DIDECYLDIMETHYLAMMONIUM CHLORIDE
14.6	Special precautions for user	
	Provisions for dangerous goods (ADR) should be complied within the premises.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code	
	The cargo is not intended to be carried in bulk.	
14.8	<u>Information for each of the UN Model Regulations</u>	
	<b>Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)</b>	
	UN number	1903
	Proper shipping name	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S., (contains: DIDECYLDIMETHYLAMMONIUM CHLORIDE, DISODIUM TRIOXOSILICATE), 8, II, (E), environmentally hazardous
	Class	8

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Classification code	C9
Packing group	II
Danger label(s)	8, fish and tree
	
Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2.
Tunnel restriction code (TRC)	E
Hazard identification No	80
Emergency Action Code	2X


### International Maritime Dangerous Goods Code (IMDG)

UN number	1903
Proper shipping name	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S., (contains: DIDECYLDIMETHYLAMMONIUM CHLORIDE, DISODIUM TRIOXOSILICATE), 8, II, MARINE POLLUTANT
Class	8
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	II
Danger label(s)	8, fish and tree
	
Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-A, S-B
Stowage category	B



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## International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	1903
Proper shipping name	UN1903, Disinfectant, liquid, corrosive, n.o.s., (contains: DIDECYLDIMETHYLAMMONIUM CHLORIDE, DISODIUM TRIOXOSILICATE), 8, II
Class	8
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	II
Danger label(s)	8
	
Special provisions (SP)	A3
Excepted quantities (EQ)	E2
Limited quantities (LQ)	0,5 L

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

Name of substance	Name acc. to inventory	Type of registration	No
Desinfektionsreiniger DR	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	1907/2006/EC annex XVII	3
sodium carbonate	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	1907/2006/EC annex XVII	3
propan-2-ol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	1907/2006/EC annex XVII	3
propan-2-ol	flammable / pyrophoric	1907/2006/EC annex XVII	40
didecyldimethylammonium chloride	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	1907/2006/EC annex XVII	3
didecyldimethylammonium chloride	flammable / pyrophoric	1907/2006/EC annex XVII	40
isotridecanol, ethoxylated	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	1907/2006/EC annex XVII	3

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## List of substances subject to authorisation (REACH, Annex XIV)

none of the ingredients are listed

## Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
E1	environmental hazards (hazardous to the aquatic environment, cat. 1)	100                      200	56)

### Notation

56) hazardous to the Aquatic Environment in category Acute 1 or Chronic 1

## Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

## Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

## Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

## Regulation 98/2013/EU on the marketing and use of explosives precursors

none of the ingredients are listed

## Regulation 648/2004/EC on detergents

Labelling of contents	
Wt%	Constituents
< 5 %	non-ionic surfactants
	disinfectants

## Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Name of substance	CAS No	Category / subcategory	Use limitation
didecyldimethylammonium chloride	7173-51-5	p(1)	b

### Legend

b Use limitation: ban (for the sub-category or sub-categories concerned) according to Union legislation

p(1) Sub-category: p(1) - pesticide in the group of plant protection products

# Disinfectant Cleaner DR

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.  
Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
2.1		Classification: change in the listing (table)
2.2		Pictograms: change in the listing (table)
2.2		Hazard statements: change in the listing (table)
2.2		Precautionary statements: change in the listing (table)
14.8	Proper shipping name: UN1719, CAUSTIC ALKALILIQUID, N.O.S., (contains: DISODIUM TRIOXOSILICATE, DIDECYLDIMETHYL- AMMONIUM CHLORIDE), 8, III, (E)	Proper shipping name: UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S., (contains: DIDECYLDIMETHYLAMMONIUM CHLORIDE, DISODIUM TRIOXOSILICATE), 8, II, (E), environmentally hazardous
14.8	Emergency Action Code: 2R	Emergency Action Code: 2X

#### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)

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Abbr.	Descriptions of used abbreviations
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
Met. Corr.	Substance or mixture corrosive to metals
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

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## Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H226	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.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

## Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.