

according to Regulation (EC) No 1907/2006

DESIPUR SENSITIVE

Revision date: 24.03.2021

Product number: 5.1155.320

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

1.1. Product identifier

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

Use of the substance/mixture

Alcohol-free surface disinfectant

Professional use

Use by consumers (private households)

1.3. Details of the supplier of the safety data sheet

Company name:	Merisa AG	
	Cleaning Technologies	
Street:	Schulhausstrasse 4	
Place:	CH-6052 Hergiswil NW	
Telephone:	041 630 48 58	Telefax: 041 630 48 57
e-mail:	info@merisa.ch	
Contact person:	Iwan Meyer	Telephone: 041 630 48 58
e-mail:	iwan.meyer@merisa.ch	
Internet:	www.merisa.ch	
Responsible Department:	BU Chemicals	

1.4. Emergency telephone

number:

Im Notfall +41 44 251 51 51 (Tel. 145) (Toxikologisches Zentrum)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container to industrial incineration plant.

2.3. Other hazards

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

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7173-51-5	didecyldimethylammonium chloride			< 1 %
	230-525-2	612-131-00-6		
	Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 2; H301 H314 H318 H400 H411			
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides			< 1 %
	270-325-2			
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H318 H400 H410			
85409-23-0	quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl-, chlorides			< 1 %
	287-090-7		01-2120771812-51	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. If medical advice is needed, have product container or label at hand.

After inhalation

In case of respiratory tract irritation, consult a physician.

After contact with skin

Wash with plenty of water. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor if you feel unwell.

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

No known symptoms to date. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Foam, Carbon dioxide (CO₂), Dry extinguishing powder, Water spray.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.
Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, universal binding agents). After cleaning, flush away traces with water. Treat the recovered material as prescribed in the section on waste disposal.
Dispose according to legislation.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

No special handling instructions are necessary.

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.
Protect against direct sunlight. Store in a cool dry place.
Recommended storage temperature: at room temperature

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Minimum storage temperature: 5°C
Maximum storage temperature: 30°C

Storage class (TRGS 510):

12 (non-combustible liquids that cannot be assigned to any of the above storage classes)

7.3. Specific end use(s)

Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
67-63-0	propan-2-ol			
Worker DNEL, long-term		dermal	systemic	888 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	500 mg/m ³
Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	89 mg/m ³
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day

PNEC values

CAS No	Substance	Value
67-63-0	propan-2-ol	
Freshwater		140.9 mg/l
Marine water		140.9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg

8.2. Exposure controls

Protective and hygiene measures

Keep eye rinsing device ready. Avoid contact with skin and eyes. Avoid breathing vapours/spray. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Apply skin care products after work.

Eye/face protection

If splashes are possible, wear:
Safety glasses with side protection according to EN 166.

Hand protection

Tested protective gloves must be worn (EN ISO 374).
Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
Thickness of the glove material: $\geq 0,1$ mm
Breakthrough time (maximum wearing time): ≤ 480 min
Observe the wear time limits as specified by the manufacturer.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Usually no personal respirative protection necessary. Avoid breathing vapours/spray.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic
pH-Value:	6.5 - 7.5

Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Vapour pressure:	No data available
Density (at 20 °C):	0.980 - 1.020 g/cm ³
Water solubility:	completely miscible

9.2. Other information

none

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoidProtect against: Frost, Heat.
Protect from sunlight.**10.5. Incompatible materials**

strong oxidants

10.6. Hazardous decomposition products

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7173-51-5	didecyldimethylammonium chloride				
	oral	LD50 mg/kg 238	Rat		OECD 401
	dermal	LD50 mg/kg 3'342	Rabbit		
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides				
	oral	LD50 mg/kg 344	Rat		
	dermal	LD50 mg/kg 3412	Rabbit		
85409-23-0	quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl-, chlorides				
	oral	ATE mg/kg 500			

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Additional information on tests

Classification according to Regulation (EC) No 1272/2008 [CLP] Calculation method. The product has not been tested.

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7173-51-5	didecyldimethylammonium chloride					
	Acute fish toxicity	LC50 mg/l	0,19	96 h	Pimephales promelas (fathead minnow)	US-EPA
	Acute algae toxicity	ErC50 mg/l	0,026	96 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,062	48 h	Daphnia magna (Big water flea)	EPA-FIFRA
	Fish toxicity	NOEC mg/l	0,032	34 d	Brachydanio rerio (zebra-fish)	OECD 210
	Crustacea toxicity	NOEC mg/l	0,014	21 d	Daphnia magna (Big water flea)	
	Acute bacteria toxicity	(11 mg/l)		3 h	Activated sludge	OECD 209
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides					
	Acute fish toxicity	LC50 mg/l	0.515	96 h	Lepomis macrochirus (Bluegill)	US-EPA
	Acute algae toxicity	ErC50 mg/l	0.049	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0.016	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC mg/l	0.0322	34 d	Pimephales promelas (fathead minnow)	US-EPA
	Crustacea toxicity	NOEC 0.00415 mg/l	>=	21 d	Daphnia magna (Big water flea)	
	Acute bacteria toxicity	(7.75 mg/l)		3 h		OECD 209

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7173-51-5	didecyldimethylammonium chloride			
	OECD 301B	72 %	28	
	Readily biodegradable (according to OECD criteria).			
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides			
	OECD 301B	95.5 %	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

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. Other adverse effects

There are no data available on the mixture itself.

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP] Calculation method. The product has not been tested.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

Contaminated packaging

Completely emptied packages and rinsed out with plenty of water can be disposed of as refuse. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

Biocide registry number: CHZN6418

Additional information

Water hazard class (CH): Class B (Self-classification)

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,15.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
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.

Further Information

For industrial purposes only. Notice the directions for use on the label. 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)