

Sporeclear Disinfectant Spray

Revision date: 15.09.2015

Revision No: 1,2

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

1.1. Product identifier

Sporeclear Disinfectant Spray

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

Use of the substance/mixture

Cleaning agent

Disinfectant cleaning agent

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Altos Medical Limited,
The Innovation Centre, Sci-tech Daresbury
Street: Keswick Lane, Cheshire, WA4 4FS
Place: UK United Kindom
Telephone: +4401925 607100
e-mail: info@arcisaltos.com
Internet: www.arcisbio.com

Company name: Hu-Friedy Mfg. Co., LLC.
Zweigniederlassung Deutschland
Street: Kleines Öschle 8
Place: D-78532 Tuttlingen
Telephone: 00800 48 37 43 39
Telefax: 00800 48 37 43 40
e-mail: info@hu-friedy.eu
Internet: www.hu-friedy.eu

Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number: INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
In England and Wales: NHS Direct - 0845 4647, In Scotland: NHS 24 - 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

The product is classified in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

Not known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	0,1 - 1 %
67-63-0		
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
01-2119457558-25		
-	Alcohols, C6-12, ethoxylated	0,1 - 1 %
68439-45-2		
	Acute Tox. 4, Eye Dam. 1; H302 H318	
230-525-2	didecyldimethylammonium chloride	0,1 - 1 %
7173-51-5		
612-131-00-6	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10); H302 H314 H400	
01-2119945987-15		
	polyhexamethylene biguanide hydrochloride	0,1 - 0,9 %
27083-27-8		
616-207-00-X	Carc. 2, Acute Tox. 4, STOT RE 1, Eye Dam. 1, Skin Sens. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H351 H302 H372 H318 H317 H400 H410	
264-151-6	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	0,1 - 1 %
63449-41-2		
612-140-00-5	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H312 H302 H314 H400	

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

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

Wash off thoroughly with water.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

After ingestion

Rinse out mouth thoroughly with water.

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

Treat symptoms.

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

Treat symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Not explosive.

In the event of fire the following can be released: Irritant/corrosive, flammable as well as toxic distillation gases/vapours.

Keep away from heat and sources of ignition.

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5.3. Advice for firefighters

No specific precautions required.

Evacuate area.

Use breathing apparatus with independent air supply.

Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away noninvolved persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. When using do not eat, drink or smoke. Avoid contact with eyes, skin or mucous membrane.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Advice on storage compatibility

Do not store with: Oxidizing agents, strong acids and strong bases.

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Eye/face protection

Eye wash bottle with pure water (EN 15154).

Safety goggles (EN 166).

Hand protection

No special protective equipment required.

Skin protection

Long sleeved clothing (EN 368).

Respiratory protection

No personal respiratory protective equipment normally required.

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Environmental exposure controls

Do not discharge into the drains/surface waters/ground water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless - yellowish
Odour:	characteristic
pH-Value:	4,5 - 7,5
Melting point:	0 °C
Initial boiling point and boiling range:	> 100 °C
Flash point:	> 93 °C
Lower explosion limits:	n.d.
Upper explosion limits:	
Density (at 20 °C):	0,95 - 1,02 g/cm ³
Water solubility: (at 20 °C)	Soluble
Solubility in other solvents:	No data available.
Ignition temperature:	n.d.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Solvent content:	6,3

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactions with acids, alkalies and oxidizing agents

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Anionic surfactants

10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

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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Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50	5050 mg/kg	Rat	
	dermal	LD50 mg/kg	12800	Rabbit	
68439-45-2	Alcohols, C6-12, ethoxylated				
	oral	ATE	500 mg/kg		
7173-51-5	didecyldimethylammonium chloride				
	oral	ATE	500 mg/kg		
	dermal	LD50	3342 mg/kg	Rabbit	
27083-27-8	polyhexamethylene biguanide hydrochloride				
	oral	ATE	500 mg/kg		
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides				
	oral	ATE	500 mg/kg		
	dermal	ATE	1100 mg/kg		

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.

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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.

Aspiration hazard

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

Practical experience

Other observations

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Contact with eyes may cause irritation. May cause sensitization of susceptible persons by inhalation.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h		
7173-51-5	didecyldimethylammonium chloride					
	Acute fish toxicity	LC50	0,19 mg/l	96 h	Pimephales promelas	US-EPA
	Acute algae toxicity	ErC50	0,026 mg/l		Pseudokirchneriela subcapitata	OECD 201
	Acute crustacea toxicity	EC50	0,062 mg/l	48 h	Daphnia magna	EPA-FIFRA
	Fish toxicity	NOEC	0,032 mg/l	34 d	Danio rerio	OECD 210
	Crustacea toxicity	NOEC	0,010 mg/l	21 d	Daphnia magna	OECD 211
	Acute bacteria toxicity		(11 mg/l)	3 h	Activated sludge	OECD 209

12.2. Persistence and degradability

No data available.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
7173-51-5	didecyldimethylammonium chloride				
	modif. Sturm-test	72 %	28		
	Readily biodegradable.				

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

Further information

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Where possible recycling is preferred to disposal.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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SECTION 14: Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

14.1. UN number:

Not applicable. No hazardous material as defined by the transport regulations.

14.2. UN proper shipping name:

Not applicable. No hazardous material as defined by the transport regulations.

14.3. Transport hazard class(es):

Not applicable. No hazardous material as defined by the transport regulations.

14.4. Packing group:

Not applicable. No hazardous material as defined by the transport regulations.

14.5. Environmental hazards

Not applicable. No hazardous material as defined by the transport regulations.

14.6. Special precautions for user

Not applicable. No hazardous material as defined by the transport regulations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable. No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

The product is classified in accordance with Regulation (EC) No 1272/2008.

National regulatory information

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Further Information

Weitere Informationen :

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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