

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Acrylan

Revision date: 18.05.2017

Product code: ANTI026

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Acrylan

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

Disinfectants

1.3. Details of the supplier of the safety data sheet

Company name:	ANTISEPTICA Dr. Hans Joachim Molitor GmbH		
Street:	Carl-Friedrich-Gauß-Straße 7		
Place:	D-50259 Pulheim/Brauweiler		
Telephone:	++49 (0)2234 / 98466-0	Telefax:	++49 (0)2234 / 98466-11
e-mail:	sdb@antiseptica.com		
Contact person:	Scientific Technical Department	Telephone:	++49 (0)2234 / 98466-27
e-mail:	sdb@antiseptica.com		
Internet:	www.antiseptica.com		

1.4. Emergency telephone number: Giftinformationszentrum NORD Universität Göttingen, giznord@giz-nord.de
Telephone: ++49 (0)551 / 1 92 40

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

P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water.
P311	Call a doctor.

Special labelling of certain mixtures

EUH208 Contains polyhexamethylene biguanide hydrochloride. May produce an allergic reaction.

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	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7173-51-5	didecyltrimethylammonium chloride			0.1 - < 1 %
	230-525-2	612-131-00-6		
	Acute Tox. 3, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 2; H301 H314 H400 H411			
139734-65-9	Reaction product of 1,3-propanediamine, C10-C16 alkyl derivative and chloroacetic acid			0.1 - < 1 %
	Acute Tox. 4, Skin Corr. 1C, Aquatic Acute 1 (M-Factor = 10); H302 H314 H400			
27083-27-8	polyhexamethylene biguanide hydrochloride			0.1 - < 1 %
		616-207-00-X		
	Carc. 2, Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B, STOT RE 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H351 H330 H302 H315 H318 H317 H372 H400 H410			

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

Labelling for contents according to Regulation (EC) No 648/2004

disinfectants, < 5 % amphoteric surfactants, perfumes (Limonene).

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Call a physician immediately. If medical advice is needed, have product container or label at hand.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

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

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. In case of lasting symptoms, consult a doctor.

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

No known symptoms to date.

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

Treat symptomatically.

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

Extinguishing powder, alcohol resistant foam

Water spray jet,

Carbon dioxide

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5.2. Special hazards arising from the substance or mixture

In case of fire dangerous vapors / gases can be released
In case of fire: Carbon monoxide / Carbon dioxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

No special handling instructions are necessary.

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****Further information on handling**

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Vapours are heavier than air. Keep only in the original container in a cool, well-ventilated place. Avoid: frost. Keep out of the reach of children. Keep locked up and out of reach of children.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect from sunlight.

7.3. Specific end use(s)

We have no knowledge of specific end uses.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid contact with eyes and skin.

Eye/face protection

When handling the concentrated product (for example, transferring) use tight fitting eye protection. (goggles)

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Chemical protective gloves must specifically chosen for each workplace depending on the concentration and amount of hazardous substances, temperature and contact time. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the

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supplier of these gloves.

Recommendation: Butyl caoutchouc (butyl rubber)

To prevent skin irritation in the professional field - regardless of actual contact with disinfectants - it is recommended to use: • a fast absorbing skin care cream in between if necessary. • a greasy cream after washing at the end of work or before breaks.

Respiratory protection

Not required with good ventilation. In case of inadequate ventilation wear respiratory protection. ABEK

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

pH-Value (at 20 °C):	approx. 7
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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	100 °C
Flash point:	> 60 °C DIN 51755

Flammability

Solid:	not applicable
Gas:	not applicable
Vapour pressure:	not determined
Density:	approx. 1 g/cm ³
Water solubility:	very soluble
Partition coefficient:	not applicable
Vapour density:	not determined
Evaporation rate:	not determined

Test method**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 avoid

Safe handling: see section 7

10.5. Incompatible materials

Incompatible materials: aldehydes, anionic surfactants

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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11.1. Information on toxicological effects**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7173-51-5	didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat		OECD 410
	dermal	LD50 3342 mg/kg	Rabbit		
139734-65-9	Reaction product of 1,3-propanediamine, C10-C16 alkyl derivative and chloroacetic acid				
	oral	LD50 > 300 mg/kg	Rat		OECD 423
27083-27-8	polyhexamethylene biguanide hydrochloride				
	oral	ATE 500 mg/kg			
	inhalative vapour	ATE 0.5 mg/l			
	inhalative (4 h) aerosol	LC50 0.37 mg/l	Rat		

Irritation and corrosivity

Didecyldimethylammoniumchloride:

In case of skin contact: OECD 404 Rabbit 3 min: Irritant

Sensitising effects

Didecyldimethylammoniumchloride:

Buehler Test US-EPA Guinea pig: negative.

Carcinogenic/mutagenic/toxic effects for reproduction

Didecyldimethylammoniumchloride:

negative. OECD 471 (Ames test) , Salmonella typhimurium

negative. Gene mutation , CHO-cells

negative. Chromosomal aberrations Test, CHO-cells

negative. Chromosomal aberrations Test oral Rat OECD 475

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	didecyltrimethylammonium chloride					
	Acute fish toxicity	LC50 mg/l	0.19	96 h	Pimephales promelas (fathead minnow)	
	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)	OECD 211
	Fish toxicity	NOEC mg/l	0.032	34 d	Danio rerio	OECD 210
	Crustacea toxicity	NOEC mg/l	0.016	21 d	Daphnia magna (Big water flea)	OECD 211
	Acute bacteria toxicity	(11 mg/l)		3 h	Activated sludge	OECD 209
139734-65-9	Reaction product of 1,3-propanediamine, C10-C16 alkyl derivative and chloroacetic acid					
	Acute fish toxicity	LC50 mg/l	0.43	96 h	Acute (short-term) fish toxicity	OECD 203
	Acute algae toxicity	ErC50 mg/l	0.05	72 h	Scenedesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50	0.11 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Acute bacteria toxicity	(22 mg/l)			Activated sludge	OECD 209
27083-27-8	polyhexamethylene biguanide hydrochloride					
	Acute fish toxicity	LC50 mg/l	0.026	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 mg/l	0.0191	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0.09	48 h	Daphnia magna (Big water flea)	OECD 202

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7173-51-5	didecyltrimethylammonium chloride			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	72%	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	93.3	28	
	OECD 303/ EEC 92/69/V, C10	91%	70	
139734-65-9	Reaction product of 1,3-propanediamine, C10-C16 alkyl derivative and chloroacetic acid			
	OECD 301 A	94%		
	Readily biodegradable (according to OECD criteria).			
27083-27-8	polyhexamethylene biguanide hydrochloride			
	Not readily biodegradable (according to OECD criteria)			

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

slightly hazardous to water (WGK 1)

SECTION 13: Disposal considerations

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13.1. Waste treatment methods**Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

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

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

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

To follow:

Regulation (EC) No. 648/2004 (Detergents regulation)

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

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

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 8,15.

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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H351	Suspected of causing cancer by inhalation.
H372	Causes damage to organs (lung) 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.
EUH208	Contains polyhexamethylene biguanide hydrochloride. May produce an allergic reaction.

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Further Information

The data contained in this safety data sheet is based on our current knowledge and experience and describe the product with regard to safety requirements. The information should not be regarded in any way as a description of the product's properties (product specification). Agreed characteristics nor the suitability of the product for a specific purpose can not be derived from the information in the SDS. We will advise you as to whether and under what circumstances, the preparation is suitable for a defined purpose. Proprietary rights and existing laws and regulations must be respected by the receiver of our product.

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