

### ANTI-Schimmelspray Art.-Nr. 975083S

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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

Biocide

#### Uses advised against

No information available.

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

Company name:	Seilflechter-Tauwerk GmbH	
Street:	Auf dem Anger 7-9	
Place:	D-38110 Braunschweig	
Telephone:	+49(0)5307-9611-0	
e-mail:	info@seilflechter.de	
Contact person:	Abteilung Produktsicherheit	Telephone: +49(0)2233 9323 760
Responsible Department:	info@drkeddo.de	

### 1.4. Emergency telephone number:

+49 (0) 361-730730 (24 h, GIZ Erfurt)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Signal word: Danger

#### Pictograms:



#### Hazard statements

H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P391	Collect spillage.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

#### Special labelling of certain mixtures

Read attached instructions before use.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			1 - < 5 %
	270-325-2		01-2119965180-41	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H400 H410			

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

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

&lt; 5 % amphoteric surfactants, preservation agents (Benzalkonium chloride).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Wear personal protection equipment (refer to section 8).  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

Remove casualty to fresh air and keep warm and at rest.  
If unconscious place in recovery position and seek medical advice.  
In case of respiratory tract irritation, consult a physician.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
Take off contaminated clothing and wash it before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.

##### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Protect uninjured eye.

##### After ingestion

Rinse mouth thoroughly with water.

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Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person or a person with cramps.  
Call a physician immediately.

#### **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**

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Dry extinguishing powder, alcohol resistant foam

##### **Unsuitable extinguishing media**

Full water jet

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

In case of fire may be liberated:

Pyrolysis products, toxic; Nitrogen oxides (NO<sub>x</sub>); Carbon dioxide; Carbon monoxide

#### **5.3. Advice for firefighters**

Special protective equipment for firefighters Chemical protection clothing

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

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

### SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8.

Wear personal protection equipment (refer to section 8).

Remove persons to safety.

Avoid contact with skin, eyes and clothes.

Clear spills immediately.

provide inert absorbent.

Provide adequate ventilation., Do not breathe gas/fumes/vapour/spray.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Cover drains.

In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Wipe up with absorbent material (eg. cloth, fleece).

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal .

Ensure waste is collected and contained.

#### **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

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**7.1. Precautions for safe handling****Advice on safe handling**

- See section 8.
- Wear personal protection equipment (refer to section 8).
- Keep container tightly closed. Avoid contact with eyes.
- Clear spills immediately. provide inert absorbent.
- No special technical protective measures are necessary.

**Advice on protection against fire and explosion**

- Usual measures for fire prevention.

**Further information on handling**

- Don't store containers without labelling.
- Handle and open container with care.
- Read label before use. Observe technical data sheet.

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

- Keep out of the reach of children. Keep locked up and out of reach of children.
- Packaging materials: Keep only in the original container in a cool, well-ventilated place.
- Keep container tightly closed.
- Provide for retaining containers, eg. floor pan without outflow.

**Hints on joint storage**

- Keep away from food, drink and animal feedingstuffs.
- Keep away from: Acids, alkalines, Oxidizing agent, metals

**Further information on storage conditions**

- No information available.

**7.3. Specific end use(s)**

- Observe instructions for use.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			
Worker DNEL, long-term		inhalation	systemic	3,96 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	5,7 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,64 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	3,4 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	3,4 mg/kg bw/day

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**PNEC values**

CAS No	Substance	
	Environmental compartment	Value
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	
	Freshwater	0,001 mg/l
	Freshwater (intermittent releases)	0 mg/l
	Marine water	0,001 mg/l
	Freshwater sediment	12,27 mg/kg
	Marine sediment	13,09 mg/kg
	Micro-organisms in sewage treatment plants (STP)	0,4 mg/l
	Soil	7 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

In case of inadequate ventilation wear respiratory protection.

Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Protective and hygiene measures**

Avoid contact with eyes and skin.

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

Apply skin care products after work.

Wash contaminated clothing prior to re-use.

Provide eye shower and label its location conspicuously

Make available sufficient washing facilities

Wear suitable protective clothing, gloves and eye/face protection. Only wear fitting, comfortable and clean protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Eye/face protection**

Wear eye/face protection.

Tightly sealed safety glasses. goggles

**Hand protection**

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Tested protective gloves must be worn: EN ISO 374 , Material, alkali-resistant

Thickness of the glove material, Breakthrough times and swelling properties of the material must be taken into consideration. Observe the wear time limits as specified by the manufacturer.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

Check leak tightness/impermeability prior to use.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Usually no personal respirative protection necessary.

**Environmental exposure controls**

See section 7. No additional measures necessary.

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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

**Test method**

pH-Value (at 20 °C): 10

**Changes in the physical state**

Melting point: not determined  
Initial boiling point and boiling range: 100 °C  
Flash point: not applicable  
Sustaining combustion: No data available

**Flammability**

Solid: not determined  
Gas: not applicable

**Explosive properties**

No information available.

Lower explosion limits: not applicable  
Upper explosion limits: not applicable  
Ignition temperature: not applicable

**Auto-ignition temperature**

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not applicable

**Oxidizing properties**

No information available.

Vapour pressure: not determined

Density: 1,01 g/cm<sup>3</sup>

Water solubility: miscible

**Solubility in other solvents**

No information available.

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: not determined

**9.2. Other information**

Solid content: 8,75 %

No information available.

**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

Exothermic reaction with: Acids, alkalines, Oxidizing agent, metals

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Nitrogen oxides (NOx)

**Further information**

No information available.

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

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			
	oral	LD50 795 mg/kg	Rat	Study report (1986)
	dermal	LD50 3412,5 mg/kg	Rabbit	Study report (1977)

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye damage.

**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**

No information available.

**Practical experience****Observations relevant to classification**

No information available.

**Other observations**

No information available.

**Further information**

There are no data available on the preparation/mixture itself.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides				
	Acute fish toxicity	LC50 0,85 mg/l	96 h	Oncorhynchus mykiss	Study report (1987)
	Acute algae toxicity	ErC50 0,03 mg/l	96 h	Pseudokirchneriella subcapitata	REACH Registration Dossier
	Acute crustacea toxicity	EC50 0,016 mg/l	48 h	Daphnia magna	REACH Registration Dossier
	Fish toxicity	NOEC 0,2737 mg/l	7 d	Pimephales promelas	REACH Registration Dossier
	Algae toxicity	NOEC >0,001-0,01 mg/l	72 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC 0,013 mg/l	21 d	Daphnia magna	REACH Registration Dossier
	Acute bacteria toxicity	(7,75 mg/l)	0,5 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	1,01

#### BCF

CAS No	Chemical name	BCF	Species	Source
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	66,74	Lepomis macrochirus	REACH Registration D

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

#### Further information

The product has not been tested.

Avoid release to the environment.

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose of waste according to applicable legislation.



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hazardous waste

#### Contaminated packaging

Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	90
Tunnel restriction code:	E

#### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1

#### Marine transport (IMDG)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Marine pollutant:	p
Special Provisions:	274, 335, 969
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-F
Segregation group:	hypochlorites

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

<b>14.1. UN number:</b>	UN 3082
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<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	
<b>14.3. Transport hazard class(es):</b>	9	
<b>14.4. Packing group:</b>	III	
Hazard label:	9	
Special Provisions:	A97 A158 A197	
Limited quantity Passenger:	30 kg G	
Passenger LQ:	Y964	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:	964	
IATA-max. quantity - Passenger:	450 L	
IATA-packing instructions - Cargo:	964	
IATA-max. quantity - Cargo:	450 L	

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:	yes
Danger releasing substance:	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

**14.6. Special precautions for user**

No information available.

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

No information available.

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

Information according to 2012/18/EU (SEVESO III):	E1 Hazardous to the Aquatic Environment
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**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	2 - clearly water contaminating
Biocide registry number:	N-85547

**Additional information**

Regulation (EU) No. 528/2012 on biocides  
Active agent: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 4,75 g / 100 g

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

**SECTION 16: Other information****Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernat le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

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ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effectice concentration, 50 percent

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

#### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
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.

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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