

# Safety Data Sheet

## Antibacterial

Issued: 10/13/2020

### SECTION 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

Trade name: Antibacterial

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

Recommended uses: Cleaning product

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

##### Supplier

Company: SCANDIPAINT GmbH & Co KG  
Address: Elbberg 6  
22767 Hamburg GERMANY  
Country: order@scandipaint.com  
E-mail: +49-40-8541436-0  
Phone:  
Fax: +49-40-8541436-29  
Homepage: www.scandipaint.com

#### 1.4. Emergency Telephone Number

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

CLP-classification: Aquatic Chronic 3;H412

Most serious harmful effects: Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### H-phrases

H412 Harmful to aquatic life with long lasting effects.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Benzalkonium chloride	68424-85-1	939-350-2	01-2119970550-39	< 0.5%		Acute Tox. 4;H302 Skin Corr. 1B;H314 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Please see section 16 for the full text of H-phrases.

Ingredient comments: Pursuant to Regulation (EC) No. 648/2004 on detergents:  
Contains: Disinfectant Benzalkonium chloride

### SECTION 4: First aid measures

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### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Do not induce vomiting. Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

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

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

Treat symptoms.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Choose extinguishing agents based on the surrounding fire.
<b>Unsuitable extinguishing media:</b>	Among common extinguishing agents are none that are directly unsuitable.

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

Can generate harmful flue gases containing carbon monoxide and carbon dioxide in the event of fire. The product decomposes when combusted and the following toxic gases can be formed: Aldehydes.

### 5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit. Send contaminated extinguishing water for destruction.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Wear suitable protective equipment. Provide good ventilation.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Wipe up minor spills with a cloth. Rinse with water.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not eat, drink or smoke during work.

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

Store in a dry, cool, well-ventilated area.

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### 7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements

**Legal basis:** Commission Directive 2000/39/EC (Occupational Exposure Limits) as subsequently amended. Last amended by Commission Directive 2019/1831/EU. Directive 2004/37/EC (Exposure to carcinogens or mutagens at work) as subsequently amended. Last amended by Directive 2019/983/EU.

#### PNEC

Benzalkonium chloride, cas-no 68424-85-1				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,0009 mg/l			
PNEC aqua (marine water)	0,00096 mg/l			
PNEC sediment (freshwater)	12,27 mg/kg			
PNEC sediment (marine water)	13,09 mg/kg			
PNEC STP (wastewater-treatment facilities)	0,4 mg/l			
PNEC soil	7 mg/kg			

#### DNEL - workers

Benzalkonium chloride, cas-no 68424-85-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	3,96 mg/m <sup>3</sup>				
Dermal DNEL (long-term exposure - systemic effects)	5,7 mg/kg bw/day				

#### DNEL - general population

Benzalkonium chloride, cas-no 68424-85-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	3,4 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	1,64 mg/m <sup>3</sup>				
Oral DNEL (long-term exposure - systemic effects)	3,4 mg/kg bw/day				

### 8.2. Exposure controls

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash.

**Personal protective equipment,** Not required.

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### skin protection:

**Personal protective equipment, hand protection:** Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions etc.

**Personal protective equipment, respiratory protection:** Not required.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Wet wipes
Colour	Colourless
Odour	Weak
Solubility	Solubility in water: Soluble
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

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None known.

### 10.4. Conditions to avoid

Avoid frost.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

##### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3975mg/kg bw			

The product does not have to be classified.

#### Acute toxicity - dermal

##### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		2848mg/kg bw			

The product does not have to be classified.

**Acute toxicity - inhalation:** Test data are not available. The product does not have to be classified.

#### Skin corrosion/irritation

##### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Corrosive		

Based on existing data, the classification criteria are deemed not to have been met.

#### Serious eye damage/eye irritation

##### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Corrosive		

Based on existing data, the classification criteria are deemed not to have been met.

**Respiratory sensitisation or skin sensitisation:** Based on existing data, the classification criteria are deemed not to have been met.

**Germ cell mutagenicity:** Based on existing data, the classification criteria are deemed not to have been met.

**Carcinogenic properties:** Based on existing data, the classification criteria are deemed not to have been met.

#### Reproductive toxicity

##### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	NOAEL		30mg/kg			

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Based on existing data, the classification criteria are deemed not to have been met.

**Single STOT exposure:** Based on existing data, the classification criteria are deemed not to have been met.

### Repeated STOT exposure

#### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	NOAEL		47.5mg/kg	Oral.		

Based on existing data, the classification criteria are deemed not to have been met.

**Aspiration hazard:** The product does not have to be classified.

### Other toxicological effects

#### Benzalkonium chloride, cas-no 68424-85-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Non-sensitising		

The product does not have to be classified.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Benzalkonium chloride, cas-no 68424-85-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish		96 h	96hLC50	0.515mg/l			
Crustacea	Daphnia magna	48 h	48hEC50	0.016mg/l			
Algae	Name of species not specified	96 h	96hEC50	0.03mg/l			
Fish	Name of species not specified	NOEC, 28 d		0.0322mg/l			
Crustacea	Daphnia magna	NOEC, 21 d		0.025mg/l			

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### Benzalkonium chloride, cas-no 68424-85-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		63%	Readily biodegradable.	OECD 301 D	

The product(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

#### Benzalkonium chloride, cas-no 68424-85-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	2.75			
			BCF	67 - 160			

Test data are not available.

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### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

No assessment has been made.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

Avoid unnecessary release to the environment.

EWC code: Depends on line of business and use, for instance

**Category of waste:** 20 01 30 detergents other than those mentioned in 20 01 29

If the product should be mixed with other waste this code might be incorrect. Another EWC code should be appointed.

## SECTION 14: Transport information

**14.1. UN-No.:** Not applicable.

**14.2. UN proper shipping name:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

**14.4. Packing group:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

### 14.6. Special precautions for user

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

Not applicable.

## SECTION 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Other Information:** Chemical safety assessment has not been performed.

## SECTION 16: Other information

**Abbreviations:**  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

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**References to literature and data sources:**

Safety Data Sheets and other information from suppliers.  
ECHA reg. sub.: ECHA database for information on registered substances.

**Other Information:**

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

**Date:**

10/13/2020

**Classification method:**

Calculation based on the hazards of the known components.

**List of relevant H-statements**

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.
H412	Harmful to aquatic life with long lasting effects.

**SDS is prepared by**

**Company:**

SCANDIPAINT GmbH & Co KG

**Country:**

GERMANY

**Document language:**

EU