

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

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

### **1.1 Product identifier**

Trade name : octenisan® wash mitts

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

Use of the Substance/Mixture : Cosmetics

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

Producer : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
  
22851 Norderstedt  
Germany  
Telephone: +49 (0)40/ 52100-0  
Telefax: +49 (0)40/ 52100318  
mail@schuelke.com  
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road, Meadowhall  
  
Sheffield S9 1AT  
United Kingdom  
Telephone: +44 114 254 35 00  
Telefax: +44 114 254 35 01  
mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : Application Specialists  
+49 (0)40/ 521 00 666  
AD@schuelke.com  
(Schülke & Mayr UK Ltd.: +44-1142543500)

### **1.4 Emergency telephone number**

Emergency telephone number : UK Poisons Emergency number: 0870 600 6266  
Carechem 24 International: +44 1235 239670

## **SECTION 2: Hazards identification**

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

**Classification (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)**

Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Cat- H411: Toxic to aquatic life with long lasting effects.

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### octenisan® wash mitts

**No Change Service!**

Version  
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Revision Date:  
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Date of last issue: -

Category 2

## 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)**

The product falls under the cosmetics directive and therefore does not need to be labelled.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Contact with eyes may cause irritation.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous containing solution on non-woven

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride	70775-75-6 274-861-8 - - - 01-2120750372-60-0000	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 10	>= 0.25 - < 1
Substances with a workplace exposure limit :			
glycerol	56-81-5 200-289-5 - - - - - -		>= 1 - < 10

For explanation of abbreviations see section 16.

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019



### **octenisan® wash mitts**

**No Change Service!**

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---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : No hazards which require special first aid measures.
- In case of eye contact : Flush eyes with water as a precaution.
- If swallowed : Do NOT induce vomiting.  
Obtain medical attention.

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

- Symptoms : Treat symptomatically.

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

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Dry powder  
Foam  
Water spray jet  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : Do NOT use water jet.

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

- Specific hazards during fire-fighting : No information available.
- Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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

- Personal precautions : No special precautions required.

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019



### octenisan® wash mitts

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

#### 6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

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

Methods for cleaning up : Use mechanical handling equipment.  
Flush with water.

#### 6.4 Reference to other sections

See chapter 13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : not required under normal use

Advice on protection against fire and explosion : No special protective measures against fire required.

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

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Protect from frost, heat and sunlight. Recommended storage temperature: 5 - 25°C

Advice on common storage : No materials to be especially mentioned.

### 7.3 Specific end use(s)

Specific use(s) : none

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
glycerol	56-81-5	TWA (Mist)	10 mg/m <sup>3</sup>	GB EH40
Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.				

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Protective measures : No special precautions required.

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### **octenisan® wash mitts**      **No Change Service!**

Version  
05.00

Revision Date:  
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Date of last issue: -

---

## **SECTION 9: Physical and chemical properties**

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

Appearance	:	Aqueous containing solution on non-woven
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	Not applicable
Melting point/freezing point	:	ca. 0 °C of the active solution
Decomposition temperature	:	Not applicable
Boiling point/boiling range	:	ca. 100 °C of the active solution
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	similar to water
Relative vapour density	:	No data available
Density	:	ca. 1.0 g/cm <sup>3</sup> (20 °C) of the active solution
Solubility(ies) Water solubility	:	Not applicable
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Viscosity Viscosity, dynamic	:	Not applicable
Explosive properties	:	No data available

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**schülke** -†

### **octenisan® wash mitts**

**No Change Service!**

Version  
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Oxidizing properties : No data available

#### **9.2 Other information**

Self-ignition : not auto-flammable

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

The product is chemically stable.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : None reasonably foreseeable.

### **10.4 Conditions to avoid**

Conditions to avoid : Protect from frost, heat and sunlight.

### **10.5 Incompatible materials**

Materials to avoid : None reasonably foreseeable.

### **10.6 Hazardous decomposition products**

None reasonably foreseeable.

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## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Not classified based on available information.

#### **Components:**

#### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Acute oral toxicity : LD50 (Rat): > 800 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Harmful if swallowed.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### **glycerol:**

Acute oral toxicity : LD50 (Rat, female): 27,200 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Guinea pig, male and female): 56,750 mg/kg

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** -t

### **octenisan® wash mitts**

**No Change Service!**

Version  
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Revision Date:  
08.12.2021

Date of last issue: -

---

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Skin irritation

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Product:**

Remarks : Based on available data, the classification criteria are not met.  
of the active solution

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Species : Rabbit  
Method : Read-across (Analogy)  
Result : Eye irritation

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Not classified based on available information.

##### **Respiratory sensitisation**

Not classified based on available information.

#### **Product:**

Remarks : of the active solution  
May cause sensitisation of susceptible persons.

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Test Type : Maximisation Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Product:**

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

---

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: Non mutagenic

#### **Carcinogenicity**

Not classified based on available information.

#### **Product:**

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Species : Mouse  
Application Route : Dermal exposure  
Method : OECD Test Guideline 451  
Remarks : Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Not classified based on available information.

#### **Product:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction  
According to experience not expected

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Effects on foetal development : Species: Rat  
Application Route: Oral  
Method: OECD Test Guideline 414  
Remarks: Based on available data, the classification criteria are not met.

#### **STOT - single exposure**

Not classified based on available information.

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Remarks : No data available

#### **STOT - repeated exposure**

Not classified based on available information.



## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** -t

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Remarks : No data available

#### **Repeated dose toxicity**

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Species : Rat  
NOAEL : 32 mg/kg  
Application Route : Oral  
Method : OECD Test Guideline 408

#### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

#### **Product:**

Remarks : none

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Components:**

##### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 0.17 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.007 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.034 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 100

Toxicity to microorganisms : EC50 (activated sludge): 2.77 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0056 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

---

M-Factor (Chronic aquatic toxicity)	:	10
Toxicity to soil dwelling organisms	:	LC50: > 1,000 mg/kg Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207
Plant toxicity	:	LC50: > 1,000 mg/kg Species: Lactuca sativa (lettuce) Method: OECD Test Guideline 208
Toxicity to terrestrial organisms	:	EC50: > 1,000 mg/kg Method: OECD Test Guideline 216
<b>glycerol:</b>		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss): 54,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

### **Components:**

#### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Biodegradability : Result: Not biodegradable  
Method: OECD 301D / EEC 84/449 C6

## 12.3 Bioaccumulative potential

### **Product:**

Bioaccumulation : Remarks: No data available

### **Components:**

#### **N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: 1.5 (23 °C)  
Method: OECD Test Guideline 123

### **glycerol:**

Partition coefficient: n-octanol/water : log Pow: -1.75 (25 °C)  
Method: OECD Test Guideline 107

## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

---

#### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

**Components:**

**N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride:**

Mobility : Remarks: Adsorbs on soil.

#### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

**Product:**

Additional ecological information : No data is available on the product itself.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

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## Product information

on the basis of REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

**schülke** 

### **octenisan® wash mitts**

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

#### **14.5 Environmental hazards**

Not regulated as a dangerous good

#### **14.6 Special precautions for user**

Not applicable

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

Not applicable for product as supplied.

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## **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1 ENVIRONMENTAL HAZARDS

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: < 1 %

#### **The components of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory

TSCA : For Cosmetic Use Only

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

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**schülke** 

### octenisan® wash mitts

**No Change Service!**

Version  
05.00

Revision Date:  
08.12.2021

Date of last issue: -

N,N'-(decane-1,10-diyl-di-1(4H)-pyridyl-4-ylidene)bis(octylammonium) dichloride  
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,  
N-C8-18 acyl derivs., hydroxides, inner salts

ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

### 15.2 Chemical safety assessment

Exempt

## SECTION 16: Other information

### Full text of H-Statements

H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO

## Product information

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**schülke** 

### **octenisan® wash mitts**      **No Change Service!**

Version	Revision Date:	Date of last issue: -
05.00	08.12.2021	

---

- International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Classification of the mixture:**

Aquatic Acute 1	H400
Aquatic Chronic 2	H411

#### **Classification procedure:**

Calculation method
Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.