

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**schülke** 

**rotasept®**

Version  
03.08

Revision Date:  
05.09.2022

Date of last issue: 22.10.2021

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

### 1.1 Product identifier

Trade name : rotasept®  
Unique Formula Identifier (UFI) : PE20-C04Q-900Q-C44W

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

Use of the Substance/Mixture : Disinfectants  
Recommended restrictions on use : Restricted to professional users.

### 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 : Emergency medical information: 8am-10pm (seven days)  
contact National Poisons Information Centre,  
Beaumont Hospital, Dublin 9 DOV2NO  
+353 (0)1 8092166

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

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Corrosive to metals, Category 1

H290: May be corrosive to metals.

Skin corrosion, Sub-category 1B

H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1

H318: Causes serious eye damage.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**  
P280 Wear protective gloves/ eye protection/ face protection.

#### **Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

#### **Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

### Hazardous components which must be listed on the label:

potassium hydroxide

### Additional Labelling

The product is classified in accordance with Annex I (2.6.4.5) to Regulation (EC) 1272/2008.

## 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Solution of the following substances with harmless additives.

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	$\geq 10 - < 20$
potassium hydroxide	1310-58-3 215-181-3 019-002-00-8 01-2119487136-33-XXXX	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318  specific concentration limit Skin Corr. 1A; H314 $\geq 5\%$ Skin Corr. 1B; H314 2 - $< 5\%$ Skin Irrit. 2; H315 0.5 - $< 2\%$ Eye Irrit. 2; H319 0.5 - $< 2\%$  Acute toxicity estimate  Acute oral toxicity: 365 mg/kg	$\geq 1 - < 2$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.

If inhaled : No information available.

In case of skin contact : Wash off immediately with plenty of water.

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In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : Do NOT induce vomiting.  
Obtain medical attention.

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

Symptoms : Treat symptomatically.

Risks : Causes serious eye damage.  
Causes severe burns.

## 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  
Alcohol-resistant 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 : none

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 : Increased risk of slipping in the presence of leaked / spilled product.

### 6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.

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## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 6.4 Reference to other sections

see Section 8 + 13

## 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.

Hygiene measures : Keep away from food and drink.

### 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 : Keep away from heat. Keep away from direct sunlight. Keep container tightly closed. Recommended storage temperature: 5 - 25°C

Advice on common storage : Do not store near acids.

### 7.3 Specific end use(s)

Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	OELV - 8 hrs (TWA)	200 ppm	IE OEL
		Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body		
		OELV - 15 min (STEL)	400 ppm	IE OEL
		Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body		
propane-1,2-diol	57-55-6	OELV - 8 hrs (TWA) (particles)	10 mg/m <sup>3</sup>	IE OEL
		OELV - 8 hrs (TWA) (total (va-	150 ppm 470 mg/m <sup>3</sup>	IE OEL

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		pour and particles))		
potassium hydroxide	1310-58-3	OELV - 15 min (STEL)	2 mg/m <sup>3</sup>	IE OEL

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
propan-2-ol	Workers	Skin contact	Long-term systemic effects	888 mg/kg
	Workers	Inhalation	Long-term systemic effects	500 mg/m <sup>3</sup>
propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
potassium hydroxide	Workers	Inhalation	Long-term local effects	1 mg/m <sup>3</sup>

## Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
propan-2-ol	Fresh water	140.9 mg/l
	Marine water	140.9 mg/l
	Fresh water sediment	552 mg/kg
	Marine sediment	552 mg/kg
	Soil	28 mg/kg
	Intermittent use/release	140.9 mg/l
	Effects on waste water treatment plants	2251 mg/l
propane-1,2-diol	Oral	160 mg/kg food
	Fresh water	260 mg/l
	Marine water	26 mg/l
	Intermittent use/release	183 mg/l
	Sewage treatment plant	20000 mg/l
	Fresh water sediment	572 mg/kg
	Marine sediment	57.2 mg/kg
	Soil	50 mg/kg

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection  
Directive : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Remarks : Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

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- Skin and body protection : Work uniform or laboratory coat.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Protective measures : Avoid contact with skin and eyes.
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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 : alcohol-like
- Odour Threshold : not determined
- Melting point/freezing point : < -5 °C
- Decomposition temperature : Not applicable
- Boiling point/boiling range : ca. 80 °C
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Flash point : 36 °C  
Method: DIN 51755 Part 1
- Auto-ignition temperature : No data available
- pH : 13.7 (20 °C)  
Concentration: 100 %
- Viscosity  
Flow time : < 15 s at 20 °C  
Method: DIN 53211
- Solubility(ies)  
Water solubility : (20 °C)  
completely soluble
- Partition coefficient: n-octanol/water : Not applicable
- Vapour pressure : ca. 34 hPa (20 °C)
- Density : ca. 1.00 g/cm<sup>3</sup> (20 °C)
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Relative vapour density : No data available

## 9.2 Other information

Explosives : No data available

**Oxidizing properties** : The substance or mixture is not classified as oxidizing.

Flammability (liquids) : Does not sustain combustion.

Sustained combustibility : Sustains combustibility: no

Metal corrosion rate : > 6.25 mm/a  
Corrosive to metals Aluminium

Evaporation rate : No data available

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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 : reaction with acids.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

Materials to avoid : Possible incompatibility with alkali sensitive materials.

### 10.6 Hazardous decomposition products

None reasonably foreseeable.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

#### Components:

**propan-2-ol:**

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Acute oral toxicity : LD50 (Rat): 5,840 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 39 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity : LD50 (Rabbit): 13,900 mg/kg  
Method: OECD Test Guideline 402

### potassium hydroxide:

Acute oral toxicity : LD50 (Rat): 365 mg/kg  
Method: OECD Test Guideline 425  
Assessment: Harmful if swallowed.  
Acute toxicity estimate: 365 mg/kg  
Method: Calculation method  
Acute inhalation toxicity : Remarks: No data available  
Acute dermal toxicity : Remarks: No data available

### Skin corrosion/irritation

Causes severe burns.

#### Product:

Assessment : Causes severe skin burns and eye damage.  
Result : Corrosive after 3 minutes to 1 hour of exposure

#### Components:

##### propan-2-ol:

Result : No skin irritation

##### potassium hydroxide:

Species : reconstructed human epidermis (RhE)  
Method : OECD Test Guideline 431  
Result : Corrosive after 3 minutes or less of exposure

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Components:

##### propan-2-ol:

Result : Eye irritation

##### potassium hydroxide:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irreversible effects on the eye

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## Respiratory or skin sensitisation

### Skin sensitisation

Not classified based on available information.

### Respiratory sensitisation

Not classified based on available information.

### Components:

#### propan-2-ol:

|| Test Type : Buehler Test  
|| Species : Guinea pig  
|| Result : Did not cause sensitisation on laboratory animals.

#### potassium hydroxide:

|| Species : Guinea pig  
|| Result : Did not cause sensitisation on laboratory animals.

## Germ cell mutagenicity

Not classified based on available information.

### Components:

#### propan-2-ol:

|| Genotoxicity in vitro : Test Type: Ames test  
Method: Mutagenicity (Escherichia coli - reverse mutation assay)  
Result: Non mutagenic  
|| Genotoxicity in vivo : Species: Mouse  
Method: Mutagenicity (micronucleus test)  
Result: Non mutagenic  
|| Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

#### potassium hydroxide:

|| Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative  
|| Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

## Carcinogenicity

Not classified based on available information.

### Components:

#### propan-2-ol:

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

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## **potassium hydroxide:**

|| Carcinogenicity - Assessment : No data available

## **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **propan-2-ol:**

|| Effects on foetal development : Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 400 mg/kg body weight

|| Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

## **potassium hydroxide:**

|| Reproductive toxicity - Assessment : No data available

## **STOT - single exposure**

Not classified based on available information.

### **Components:**

#### **propan-2-ol:**

|| Assessment : May cause drowsiness or dizziness.

## **potassium hydroxide:**

|| Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

## **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

#### **propan-2-ol:**

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

## **potassium hydroxide:**

|| Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## **Repeated dose toxicity**

### **Components:**

#### **propan-2-ol:**

|| Remarks : No data available

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## Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : There is no data available for this product.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to microorganisms : EC50 : 10,700 mg/l  
Method: OECD 209

#### Components:

##### **propan-2-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 10,000 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Test Type: static test

EC50 (green algae): 1,800 mg/l  
Exposure time: 7 d

##### **potassium hydroxide:**

Toxicity to fish : LC50 (Gambusia affinis (Mosquito fish)): 80 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

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||

## Ecotoxicology Assessment

|| Chronic aquatic toxicity : This product has no known ecotoxicological effects.

## 12.2 Persistence and degradability

### Product:

Biodegradability : Result: Readily biodegradable.  
Method: OECD 301D / EEC 84/449 C6

### Components:

#### propan-2-ol:

|| Biodegradability : Result: Readily biodegradable.

#### potassium hydroxide:

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

## 12.3 Bioaccumulative potential

### Components:

#### propan-2-ol:

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

|| Partition coefficient: n-octanol/water

: log Pow: 0.05 (20 °C)  
Method: OECD Test Guideline 107

#### potassium hydroxide:

|| Bioaccumulation : Remarks: Does not bioaccumulate.

## 12.4 Mobility in soil

### Components:

#### propan-2-ol:

|| Mobility : Remarks: Mobile in soils

#### potassium hydroxide:

|| Mobility : Remarks: Mobile in soils

## 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.

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## 12.6 Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 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 : Dispose of the product according to the defined EWC (European Waste Code) No.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : European waste catalog (EWC) 070601\*

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR : UN 1814

IMDG : UN 1814

IATA : UN 1814

### 14.2 UN proper shipping name

ADR : POTASSIUM HYDROXIDE SOLUTION

IMDG : POTASSIUM HYDROXIDE SOLUTION

IATA : Potassium hydroxide solution

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADR	: 8	
IMDG	: 8	
IATA	: 8	

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## 14.4 Packing group

### ADR

Packing group : III  
Classification Code : C5  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

### IMDG

Packing group : III  
Labels : 8  
EmS Code : F-A, S-B

### IATA (Cargo)

Packing instruction (cargo aircraft) : 856  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

### IATA (Passenger)

Packing instruction (passenger aircraft) : 852  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosive

## 14.5 Environmental hazards

### ADR

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

## 14.7 Maritime transport in bulk according to IMO instruments

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

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

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

Regulation (EC) No 1005/2009 on substances that de- : Not applicable

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plete the ozone layer

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

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

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. : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 10.15 %

Regulation (EC) No. 648/2004, as amended : less than 5 %: Non-ionic surfactants

### Other regulations:

The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

This information is not available.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

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

- TCSI : On the inventory, or in compliance with the inventory
- TSCA : All substances listed as active on the TSCA inventory
- AIRC : On the inventory, or in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- ENCS : Not in compliance with the inventory
- ISHL : Not in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory



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NZIoC : Not in compliance with the inventory  
TECI : On the inventory, or in compliance with the inventory

## 15.2 Chemical safety assessment

Exempt

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H290 : May be corrosive to metals.  
H302 : Harmful if swallowed.  
H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Met. Corr. : Corrosive to metals  
Skin Corr. : Skin corrosion  
STOT SE : Specific target organ toxicity - single exposure  
IE OEL : Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1  
IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)  
IE OEL / OELV - 15 min (STEL) : Occupational exposure limit value (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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 - 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

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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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

### Classification of the mixture:

Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318

### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment

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

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