

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke 

Quartasept Plus

No Change Service!

Version 02.01

Revision Date 08.01.2008

Print Date 22.10.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Quartasept Plus
Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.com

Contact person : Product / Application advice
+49 (0)40/ 521 00 666
pab@schuelke.com

Emergency telephone : +49 (0)40 / 52 100 -0

Application : Biocidal product, Biocidal product type: 2, Biocidal product type: 4

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

C Corrosive
R34 Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Didecyldimethyl-ammonium chloride	7173-51-5	230-525-2	C	R22, R34	10 %
N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	219-145-8	C, N	R48/22, R35, R50	2 %
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	< 5 %
Tridecylpolyethylenglycolether	69011-36-5		Xn	R22, R41	< 5 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

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4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
- Inhalation : Move the victim to fresh air and keep him calm. If symptoms persist, call a physician.
- Ingestion : **Do NOT induce vomiting.** Rinse mouth with water. Give small amounts of water to drink. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : No special precautions required.
- Suitable extinguishing media : Water spray jet, Dry powder, Foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Specific risk from the substance or the product itself, its combustion products or evolved gases : No special risks to be expected.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Increased risk of slipping in the presence of leaked / spilled product.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
- 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).

7. HANDLING AND STORAGE**Handling**

- Safe handling advice : Avoid formation of aerosol. Prepare the working solution as given on the label(s) and/or the user instructions.
- Advice on protection against fire and explosion : The product is not flammable.

Storage

- Requirements for storage areas and containers : Store at room temperature in the original container.
- Further information : Keep away from heat. Keep away from direct sunlight. Keep container tightly closed.
- Advice on common storage : Keep away from food and drink.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value	Basis
Propan-2-ol	67-63-0	AGW: 500 mg/m ³ AGW: 200 ppm	TRGS 900

Personal protective equipment

- Hand protection : 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.
- Eye protection : Tightly fitting safety goggles
- Hygiene measures : Keep away from food and drink.
- Protective measures : Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

- Form : liquid
- Colour : nearly colourless
- Odour : characteristic

Other data

- solidification range : < -5 °C
- initial boiling point : ca. 90 °C
- Flash point : 49 °C
Method: DIN 51755 Part 1
- Flammability : **Does not sustain combustion.**
- Density : ca.0,98 g/cm³ at 20 °C
- Water solubility : at 20 °C
in all proportions
- pH : ca.9 at 1.000 g/l (20 °C)
- Viscosity, dynamic : ca.23 mPa*s at 20 °C
Method: ISO 3219

10. STABILITY AND REACTIVITY

- Hazardous reactions : None reasonably foreseeable.

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Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Further information : No data is available on the product itself. The classification was made according to the calculation procedure of the Preparations Directive.

12. ECOLOGICAL INFORMATION

Biodegradability : Remarks: According to OECD criteria, the product is inherently biodegradable. The statement has been derived from the properties of the individual components.

Chemical Oxygen Demand (COD) : ca. 4800 mg/l
Test substance: 1% solution

Further information : The surfactant(s) contained in this preparation 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 product has no known eco-toxicological effects.
Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

13. DISPOSAL CONSIDERATIONS

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 : **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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14. TRANSPORT INFORMATION

ADR	: UN-Number	1903		
	Class	8		
	Classification Code	C9		
	Packaging group	III		
	ADR/RID-Labels	8 + 11		
	ICAO-Labels	80		
	Description of the goods	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Didecyldimethyl-ammonium chloride)		
IMDG	: UN-Number	1903		
	Class	8		
	EmS	F-A, S-B		
	Packaging group	III		
	Marine pollutant	--		
	Description of the goods	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DIDECYLDIMETHYL-AMMONIUM CHLORIDE)		
IATA	: UN-Number	1903		
	Class	8		
	Packaging group	III		
	Description of the goods	Disinfectant, liquid, corrosive, n.o.s. (Didecyldimethyl-ammonium chloride)		

Further information : Not classified as supporting combustion according to the transport regulations.

15. REGULATORY INFORMATION

Hazardous components:

- Didecyldimethyl-ammonium chloride

General advice : In the EU, this product falls under the Directive on biocide products 98/8/EC. The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol :



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		C Corrosive	
R-phras(e)s	:	R34	Causes burns.
S-phras(e)s	:	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
		S35	This material and its container must be disposed of in a safe way.
		S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
		S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Special labelling of certain preparations	:	Labelling according to Regulation (EC) No. 648/2004:., < 5 % non-ionic surfactants	
Further information	:	The product is classified in accordance with Annex VI (2.2.5) to Directive 67/548/EEC. Use biocides safely. Always read the label and product information before use.	

National legislation

Legislation on the control of major-accident hazards involving dangerous substances	:	Directive 96/82/EC does not apply
Switzerland	:	Registration number: CHZN0386

16. OTHER INFORMATION

Application	:	Information on uses can be found in a separate preparation / product brochure.
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Text of R-phrases mentioned in Section 2

R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

Other information

Caution! All information concerns the concentrated product!

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

|| Changes compared with the previous edition!!!

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