

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Gigasept Instru AF

No Change Service!

Version 02.00

Revision Date 08.12.2009

Print Date 23.08.2010

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

Product information

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

Contact person : Application Department
+49 (0)40/ 521 00 544 (S&M UK +44 114 254 3500)
pab@schuelke.com

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

Application : Disinfectants, Only for professional use in industry and commerce.

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

C Corrosive
N Dangerous for the environment
R34 Causes burns.
R50 Very toxic to aquatic organisms.

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
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Cocosalkylpropylen-diaminbiguanidinium-diacetat	85681-60-3	288-198-7	C, N	R22, R50, R34	14 %
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	270-325-2	C, N	R21/22, R34, R50	2,5 %
Ethanol	64-17-5	200-578-6	F, N	R11	5 - 15 %
Tridecylpolyethylenglycolether	69011-36-5	Polymer	Xi	R41	5 - 15 %
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	< 5 %
N-dodecylpropane-1,3-diamine	5538-95-4	226-902-6	C, N	R22, R35, R50	< 5 %

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

4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
- Eye contact : **In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.** Obtain medical attention.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
- 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, Dry powder, Foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : No information available.
- 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 : Prepare the working solution as given on the label(s) and/or the user instructions.

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

Storage

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

Further information : Keep away from direct sunlight. Keep away from heat. Keep container tightly closed.

Advice on common storage : Keep away from food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional technical information on the plant : **Ensure that eyewash stations and safety showers are close to the workstation location.**

Components with workplace control parameters

Components	CAS-No.	Value	Basis
Ethanol	64-17-5	AGW: 960 mg/m ³ AGW: 500 ppm	TRGS 900
Ethanol	64-17-5	Ceiling Limit Value: 1.920 mg/m ³ Ceiling Limit Value: 1.000 ppm	TRGS 900
Propan-2-ol	67-63-0	AGW: 500 mg/m ³ AGW: 200 ppm	TRGS 900
Propan-2-ol	67-63-0	Ceiling Limit Value: 1.000 mg/m ³ Ceiling Limit Value: 400 ppm	TRGS 900
Propan-2-ol	67-63-0	WEL: 980 mg/m ³ WEL: 400 ppm	OSHA

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**

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Form : liquid
Colour : green
Odour : amine-like

Other data

solidification range : < -5 °C
Initial boiling point : ca. 90 °C
Flash point : 36 °C
Method: DIN 51755 Part 1
Flammability : Does not sustain combustion.
Density : ca.0,99 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.30 mPa*s at 20 °C
Method: DIN 54453

10. STABILITY AND REACTIVITY

Hazardous reactions : None reasonably foreseeable.
Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Skin irritation : Remarks: **Causes skin burns.**
Eye irritation : Remarks: **Causes eye burns.**
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.
Toxicity to daphnia : EC50 Daphnia magna (Water flea) 0,28 mg/l
Testing period: 48 h
Method: OECD Test Guideline 202
GLP: yes
Analytical monitoring: yes

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- Chemical Oxygen Demand (COD) : 18323 mg/l
Test substance: 1% solution
- Further information : 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. The product has not been tested.
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.

14. TRANSPORT INFORMATION

ADR	: UN-Number	1903		
	Class	8		
	Classification Code	C9		
	Packaging group	III		
	ADR/RID-Labels	8 + N		
	ICAO-Labels	80		
	Description of the goods	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Cocosalkylpropylen-diaminbiguanidinium-diacetat, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)		

IMDG	: UN-Number	1903		
	Class	8		
	EmS	F-A, S-B		
	Packaging group	III		

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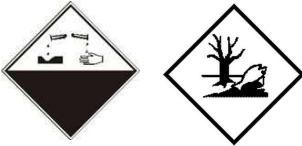
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	Marine pollutant	--	
	Description of the goods		DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Cocosalkylpropylen-diaminbiguanidinium-diacetat, Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides)
	IATA : UN-Number	1903	
	Class	8	
	Packaging group	III	
	Description of the goods		DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Cocosalkylpropylen-diaminbiguanidinium-diacetat, Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides)
	Further information	:	Not classified as supporting combustion according to the transport regulations.

15. REGULATORY INFORMATION

Hazardous components:

- Cocosalkylpropylen-diaminbiguanidinium-diacetat

	General advice	:	In the EU, this product falls under the Directive medical devices 93/42/EEC. The product is classified and labelled in accordance with EC directives or respective national laws.
	Symbol	:	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  C Corrosive </div> <div style="text-align: center;">  N Dangerous for the environment </div> </div>
	R-phrase(s)	:	R34 R50 Causes burns. Very toxic to aquatic organisms.
	S-phrase(s)	:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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). S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.
	Special labelling of certain mixtures	:	Labelling according to Regulation (EC) No. 648/2004:; 5 - 15 % non-ionic surfactants, perfumes
	Further information	:	The product is classified in accordance with Annex VI (2.2.5) to Directive 67/548/EEC.

National legislation

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

Volatile organic compounds (VOC) content : 10 %
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds

VOC-Content : 0,10 kg/kg
Switzerland. VOC Ordinance, Annex II (Products)

16. OTHER INFORMATION

|| Application : Information on uses can be found in a separate preparation / product brochure.

Text of R-phrases mentioned in Section 3

R11	Highly flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

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!!!