

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke -+

Mikrozid AF Wipes

No Change Service!

Version 01.07

Revision Date 08.01.2008

Print Date 08.01.2008

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

Product information

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

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+49 (0)40/ 521 00 666
pab@schuelke.com

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

Application : Disinfectants

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Flammable.

3. COMPOSITION/INFORMATION ON INGREDIENTS OF THE ACTIVE SOLUTION

Chemical nature : (Preparation)
Aqueous, alcohol containing solution on cellulose wipes

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Propan-1-ol	71-23-8	200-746-9	F, Xi	R11, R41, R67	35 %
Ethanol	64-17-5	200-578-6	F	R11	25 %

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

4. FIRST AID MEASURES

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

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5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : No special precautions required.
- Suitable extinguishing media : Water, Dry powder, Alcohol-resistant 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 precautions required.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Use mechanical handling equipment.

7. HANDLING AND STORAGE**Handling**

- Safe handling advice : not required under normal use
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.

Storage

- Requirements for storage areas and containers : Store at room temperature in the original container. Keep at temperature not exceeding 25 °C.
- Further information : Keep container tightly closed. Keep away from direct sunlight.
- Advice on common storage : No materials to be especially mentioned.

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

Components	CAS-No.	Value	Basis
Ethanol	64-17-5	AGW: 960 mg/m ³ AGW: 500 ppm	TRGS 900

Personal protective equipment

- Hand protection : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>120 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.
- Hygiene measures : Keep away from food and drink.
- Protective measures : Avoid contact with eyes.

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9. PHYSICAL AND CHEMICAL PROPERTIES OF THE ACTIVE SOLUTION**Appearance**

Form : liquid
Colour : colourless
Odour : alcoholic

Other data

solidification range : < -5 °C
initial boiling point : ca. 80 °C
Flash point : 27 °C
Method: DIN 51755 Part 1
Vapour pressure : ca.50 hPa at 20 °C
Density : ca.0,89 g/cm³ at 20 °C
Water solubility : at 20 °C
in all proportions
pH : ca.6 at 1.000 g/l (20 °C)
flow time : < 15 s at 20 °C
Method: DIN 53211

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION OF THE ACTIVE SOLUTION

Further information : The classification was made according to the calculation procedure of the Preparations Directive.

12. ECOLOGICAL INFORMATION OF THE ACTIVE SOLUTION

Biodegradability : Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6
Chemical Oxygen Demand (COD) : 13000 mg/l
Test substance: 1% solution

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13. DISPOSAL CONSIDERATIONS

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 : Take empty packaging to the recycling plant.

14. TRANSPORT INFORMATION

ADR	: UN-Number	3175	
	Class	4.1	
	Classification Code	F1	
	Packaging group	II	
	ADR/RID-Labels	4.1	
	ICAO-Labels	40	
	Description of the goods	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol, Ethanol)	
IMDG	: UN-Number	3175	
	Class	4.1	
	EmS	F-A, S-I	
	Packaging group	II	
	Marine pollutant	--	
	Description of the goods	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-1-OL, ETHANOL)	
IATA	: UN-Number	3175	
	Class	4.1	
	Packaging group	II	
	Description of the goods	Solids containing flammable liquid, n.o.s. (Propan-1-ol, Ethanol)	

15. REGULATORY INFORMATION

General advice : The product is classified and labelled in accordance with EC directives or respective national laws.

R-phrases(s) : R10 Flammable.

National legislation

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

VOC-Content : 60 %
of the active solution, Directive 1999/13 /EC on the limitation of emissions of volatile organic compounds

VOC-Content : 0,448 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 2

R11 Highly flammable.

R41 Risk of serious damage to eyes.

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!!!