

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke -+

Mikrozid AF aroma

No Change Service!

Version 02.02

Revision Date 08.01.2008

Print Date 25.02.2009

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

Product information

Trade name : Mikrozyd AF aroma
Producer/Supplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin road
S9 1AT South Yorkshire
United Kingdom
Telephone: +441142543500
Telefax: +441142543501
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Contact person : Product / Application advice
+49 (0)40/ 521 00 666
pab@schuelke.com

Emergency telephone : +441142543500
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Application : Disinfectants

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

Xi Irritant
R10 Flammable.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

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
Ethanol	64-17-5	200-578-6	F	R11	25 %
Propan-1-ol	71-23-8	200-746-9	F, Xi	R11, R41, R67	35 %

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

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4. FIRST AID MEASURES

- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Inhalation : Move to fresh air.
- Ingestion : Obtain medical attention.

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 risks to be expected.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation. Remove all sources of ignition.
- Environmental precautions : No special environmental precautions required.
- 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 : Do not smoke.
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. The hot product gives off combustible vapours.

Storage

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

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES**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
Ignition temperature	:	Propan-1-ol 412 °C
Upper explosion limit	:	Propan-1-ol 17,5 %(V)
Lower explosion limit	:	Propan-1-ol 2,1 %(V)
Vapour pressure	:	ca.50 hPa at 20 °C
Density	:	ca.0,89 g/cm ³ 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	:	Vapours may form explosive mixture with air.
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Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

Toxicity to bacteria : EC50 68750 mg/l
Method: OECD 209

Chemical Oxygen Demand (COD) : 13000 mg/l
Test substance: 1% solution

Further information : The product has not been tested. This declaration has been derived from products of similar composition.
Avoid subsoil penetration.

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 070604

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 1987



Class	3
Classification Code	F1
Packaging group	III
ADR/RID-Labels	3 + 11
ICAO-Labels	30
Description of the goods	ALCOHOLS, N.O.S. (Propan-1-ol, Ethanol)

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IMDG	: UN-Number	1987		
	Class	3		
	EmS	F-E, S-D		
	Packaging group	III		
	Marine pollutant	--		
	Description of the goods	ALCOHOLS, N.O.S. (PROPAN-1-OL, ETHANOL)		
IATA	: UN-Number	1987		
	Class	3		
	Packaging group	III		
	Description of the goods	Alcohols, n.o.s. (Propan-1-ol, Ethanol)		

15. REGULATORY INFORMATION

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 :



Xi
Irritant

R-phrase(s) : R10 Flammable.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

S-phrase(s) : S23 Do not breathe spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
S51 Use only in well-ventilated areas.

National legislation

Legislation on the control of major-accident hazards involving dangerous substances : The product belongs to at least one of the categories 1 through 11 mentioned in Annex 1 of the Directive 1996/82/EC concerning the control of major accident hazards.

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.

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!!!