

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Rotasept No Change Service!

Version 02.06

Revision Date 15.05.2010

Print Date 11.05.2011

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

Product information

Trade name : Rotasept
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 HI
+49 (0)40/ 521 00 544 (Schülke UK +44 114 254 3500)
pab@schuelke.com

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

Application : Disinfectants

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

Xi Irritant
R36/38 Irritating to eyes and skin.

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
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	10 %
Potassium hydroxide	1310-58-3	215-181-3	C	R22, R35	1 - 2 %

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 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.

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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 : Increased risk of slipping in the presence of leaked / spilled product.
Environmental precautions : 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 : not required under normal use
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 heat. Keep away from direct sunlight. Keep container tightly closed.
Advice on common storage : Keep away from food and drink. Do not store near acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Basis
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Propan-2-ol	67-63-0	Permissible exposure limit: 500 mg/m ³ Permissible exposure limit: 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	Permissible exposure limit: 980 mg/m ³ Permissible exposure limit: 400 ppm	OSHA

Personal protective equipment

- Hand protection : Splash protection: disposable nitrile rubber gloves e.g. Dermatril made by KCL or gloves from other manufacturers offering the same protection.
Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min.) or butyl rubber gloves e.g. Butoject (>480 Min.) made by KCL or gloves from other manufacturers offering the same protection.
- Eye protection : Safety glasses
- 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 : colourless
Odour : alcohol-like

Other data

- solidification range : < -5 °C
- Initial boiling point : ca. 80 °C
- Flash point : 36 °C
Method: DIN 51755 Part 1
- Flammability : Does not sustain combustion.
- Vapour pressure : ca.34 hPa at 20 °C
- Density : ca.1,00 g/cm³ at 20 °C
- Water solubility : at 20 °C
in all proportions
- pH : 13,7 at 1.000 g/l (20 °C)
- flow time : < 15 s at 20 °C
Method: DIN 53211

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10. STABILITY AND REACTIVITY

- Hazardous reactions : reaction with acids Possible incompatibility with alkali sensitive materials.
- Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

- Skin irritation : Irritating to skin.
- 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 10700 mg/l
Method: OECD 209
- Chemical Oxygen Demand (COD) : 3200 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. 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

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Further information : Not classified as supporting combustion according to the transport regulations. Not classified as dangerous in the meaning of transport regulations.

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) : R36/38 Irritating to eyes and skin.

S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Special labelling of certain mixtures : 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.

National legislation

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

Text of R-phrases mentioned in Section 3

R11 Highly flammable.
R22 Harmful if swallowed.
R35 Causes severe burns.
R36 Irritating 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.

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|| Changes compared with the previous edition!!!