

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**schülke** 

**gigazyme**      **No Change Service!**

Version 04.03

Revision Date 24.03.2009

Print Date 12.02.2010

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

### Product information

Trade name : gigazyme  
Producer/Supplier : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
22851 Norderstedt  
Germany  
Telephone: +4940521000  
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mail@schuelke.com  
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Contact person : Product / Application advice  
+49 (0)40/ 521 00 666  
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Emergency telephone : +49 (0)40 / 52 100 –0

Application : Cleaning agent

## 2. HAZARDS IDENTIFICATION

### Risk advice to man and the environment

Contact with the eyes can cause irritation.

## 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
Alcohol, C13-C15 branched and linear, butoxylated ethoxy-	111905-53-4	Polymer	Xi	R36/38	5 - 15 %
Alkyl-polyethylenglycol-polybutylenglycoether		Polymer	Xi	R38, R51/53	< 5 %
Ethanol	64-17-5	200-578-6	F	R11	5 - 15 %

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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Skin contact : Wash off immediately with plenty of water.  
Ingestion : Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

Special protective equipment for fire-fighters : No special precautions required.  
Suitable extinguishing media : Water, Dry powder, Carbon dioxide (CO<sub>2</sub>), Alcohol-resistant foam  
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 : No special precautions required.  
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 : Use prepared working solution as soon as possible - Do not store.  
Advice on protection against fire and explosion : The hot product gives off combustible vapours.

### 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 away from heat. Keep away from direct sunlight. Keep container tightly closed.  
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 <sup>3</sup> AGW: 500 ppm	TRGS 900

### Personal protective equipment

Hand 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

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or gloves from other manufacturers offering the same 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.

Hygiene measures : Keep away from food and drink.  
Protective measures : Avoid contact with eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : liquid  
Colour : blue  
Odour : alcoholic

### Other data

solidification range : < -5 °C  
Initial boiling point : ca. 90 °C  
Flash point : 43 °C  
Method: DIN 51755 Part 1  
Flammability : Does not sustain combustion.  
Vapour pressure : ca.50 hPa at 20 °C  
Density : ca.1,02 g/cm<sup>3</sup> at 20 °C  
Water solubility : > 100 g/l  
at 20 °C  
pH : ca.7 at 5 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

Further information : The product has not been tested. 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
- 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.  
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 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

- 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 does not need to be labelled in accordance with EC directives or respective national laws.
- Special labelling of certain preparations : Labelling according to Regulation (EC) No. 648/2004.; 5 - 15 % non-ionic surfactants, enzymes, perfumes
- 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

