

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**S&M LABOR liquid**

**No Change Service!**

Version 01.06

Revision Date 19.02.2010

Print Date 23.08.2010

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

### Product information

Trade name : S&M LABOR liquid  
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 (S&M UK +44 114 254 3500)  
pab@schuelke.com

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

Application : Cleaning agent, 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  
R34 Causes burns.

## 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
Potassium hydroxide	1310-58-3	215-181-3	C	R22, R35	4,8 %

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

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Ingestion : minutes.  
: 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 spray jet, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)  
Extinguishing media which shall not be used for safety reasons : High volume water jet  
Specific risk from the substance or the product itself, its combustion products or evolved gases : Fire may cause evolution of: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

## 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 : 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 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

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

### Components with workplace control parameters

none

### Personal protective equipment

Hand protection : Splash protection: disposable nitrile rubber gloves e.g.

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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

Form : liquid  
Colour : nearly colourless  
Odour : odourless

### Other data

solidification range : < -5 °C  
Initial boiling point : ca. 100 °C  
Flash point : > 100 °C  
Method: ISO 2719  
Vapour pressure : ca.25 hPa at 20 °C  
Density : ca.1,12 g/cm<sup>3</sup> at 20 °C  
Water solubility : at 20 °C  
in all proportions  
pH : ca.12 at 10 g/l  
flow time : < 15 s at 20 °C  
Method: DIN 53211

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat > 4000 mg/kg  
Method: calculated  
Test substance: concentrate

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Skin irritation : Corrosive  
Test substance: concentrate  
Skin irritation : rabbit, No skin irritation  
Test substance: 1% solution

## 12. ECOLOGICAL INFORMATION

Chemical Oxygen Demand (COD) : **ca. 300 mg/l**  
Test substance: **1% solution**  
Further information : 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 1814



Class 8  
Classification Code C5  
Packaging group II  
ADR/RID-Labels 8  
ICAO-Labels 80

**IMDG** : UN-Number 1814

POTASSIUM HYDROXIDE, SOLUTION



Class 8  
EmS F-A, S-B  
Packaging group II  
Marine pollutant --  
Description of the goods

POTASSIUM HYDROXIDE SOLUTION

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IATA : UN-Number 1814



Class 8  
Packaging group II  
Description of the goods

POTASSIUM HYDROXIDE, SOLUTION

## 15. REGULATORY INFORMATION

Hazardous components:

- Potassium hydroxide

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 :



C  
Corrosive

R-phrase(s) : R34 Causes burns.

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).

Special labelling of certain mixtures : Labelling according to Regulation (EC) No. 648/2004; < 5 % phosphonates

### 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 : none, Directive 1999/13/EC on the limitation of emissions of volatile organic compounds

|| VOC-Content : none, Switzerland. VOC Ordinance, Annex II (Products)

## 16. OTHER INFORMATION

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

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Text of R-phrases mentioned in Section 3

R22	Harmful if swallowed.
R35	Causes severe burns.

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!!!