

POCH Safety Data Sheet

According to EC Directive 2001/58/CE. Creation date / last update: 2002-10-15 / 2005-05-09

1. Identification of the substance/preparation and of the company/undertaking

POTASSIUM HYDROXIDE 0,1 MOL/L (0,1 N) ANALYTICAL WEIGHED AMOUNT

Catalogue Numbers: .-746823165;

Use of the substance / preparation: for analysis

POCH SA

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2. Hazard identification

Causes severe burns.



3. Composition/information on ingredients

CAS-No.: 1310-58-3

Molecular mass: 56.11

Molecular formula: KOH

WE Number: 215-181-3

4. First aid measures

After eye contact: *rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call in ophthalmologist.*

After skin contact: *wash off with plenty of water. Immediately take off contaminated clothing.*

After swallowing: *Make victim drink plenty of water, avoid vomiting (risk of perforation). Immediately summon doctor. Do not attempt neutralize.*

After inhalation: *fresh air*

5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood. Non-combustible*

Special risk: *no further requirements*

Special protective equipment for fire fighting:

Other information: *non-combustible*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

6. Accidental release measures

Do not inhale vapours/aerosols. Take up with liquid- absorbent material. Forward for disposal. Clean up affected area. Render harmless: neutralize with dilute sulfuric acid. Avoid substance contact.

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7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry well-ventilated place. At +15 to +25 deg C. Do not use containers made of aluminium, zinc and tin.*

8. Exposure controls/personal protection

Specific control parameter: *max. workplace conc.: 0,5 mg/m³, peak limit: 1 mg/m³ as dry substance.*

Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.

Personal protective equipment:

respiratory protection: *required when aerosols are generated - gas mask with specific absorber.*

eye protection: *required - safety goggles.*

hand protection: *required - protective clothing.*

body protection: *required - protective clothing.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*



9. Physical and chemical properties

Form: *liquid*

Colour: *colourless*

Odour: *odourless*

pH value: *>13,5 (20°C)*

Melting point: *not available*

Boiling point: *not available*

Ignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *steam pressure*

Density: *1,11 g/cm³ (20°C)*

Bulk density: *not applicable*

Solubility:

in water: *freely soluble*

in organic solvents: *not available*

log P(w/o):

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10. Stability and reactivity

Conditions to be avoided: *no special requirements*

Substances to be avoided: *no information available*

Hazardous decomposition products: *no information available*

Other information: *incompatible with metals, various plastics, glass, animal/vegetable tissues*

11. Toxicological information

Toxicological information: *LD50 (oral rat): 273 mg/kg (for 100% substance)*

Other information: *After swallowing: irritations of mucous membranes in the mouth, throat, pharynx and oesophagus and gastrointestinal tract; after contact: slight irritations; After inhalation of aerosols: mucosal irritations, irritations and oedema in gastrointestinal tract; After eye contact: slight irritations*

12. Ecological information

Toxic effect on aquatic organisms. Harmful effect due to pH shift. Do not allow to enter waters, waste water or soil!



13. Disposal considerations

POCh product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.

14. Transport information

ADR Class and package group: *8,II*

UN Number: *1814*

Name (acc. to UN): *potassium hydroxide in solution*

15. Regulatory information

Labelling according to EC Directives.

Symbol: *C; Corrosive.*

R-phrases: *35; Causes severe burns.*

S-phrases: *26-36/37/39-45; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves and eye/face protection.*

16. Other information

Reason for alteration: general update.

Informations contained in this SDS while accurate to the best knowledge