

Safety Data Sheet



according to Regulation (EU) No. 1907/2006

neodisher KMR fluessig

Print date : 06.12.2007

Revision date : 31.07.2007

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Suitable extinguishing media

Water fog. Water. Foam.

Extinguishing media which must not be used for safety reasons

none / none

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

none / none

Special protective equipment for fire-fighters

none / none

6. Accidental release measures

Personal precautions

Wear personal protection equipment. See protective measures under point 7 and 8.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

7. Handling and storage

Handling

Advice on safe handling

All working processes must always be organised so that the following can be ruled out: skin contact.
Eye contact.

Storage

Requirements for storage rooms and vessels

Protect against: UV-solarization/sunlight. heating.

Storageclass (VCI) :

8B

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

If product is splashed or sprayed in high concentrations or in case of insufficient ventilation adequate masks and filters suitable for dusts / aerosols (P2) are recommended.

Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. Suitable material: Butyl rubber. NBR (Nitrile rubber). EN 374

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Eye protection

Tightly sealed safety glasses. EN 166

Skin protection

Take off immediately all contaminated clothing

9. Physical and chemical properties

General information

Physical state : liquid
Colour : light yellow
Odour : characteristic

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	ca. 14
Changes in the physical state	
Boiling point :	ca. 100 °C
Flash point :	not applicable
Oxidizing properties	
not applicable	
Density (at 20 °C) :	1,4 g/cm ³
Water solubility : (at 20 °C)	easily soluble.

10. Stability and reactivity

Materials to avoid

Reacts with : acid, concentrated.

Hazardous decomposition products

Contact with acids liberates toxic gas.

11. Toxicological information

Acute toxicity

Acute toxicity, oral LD50: calculated. mg/kg bw: >3300

Corrosive and irritant effects

highly caustic.

Further information

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation were assessed by the manufacturer on the basis of the data available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

12. Ecological information

Persistence and degradability

not applicable. product is inorganic.

Other adverse effects

due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

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Further information

The evaluation was carried out according to the calculation method of the Preparations Directive.

13. Disposal considerations

Advice on disposal

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Completely emptied packings can be re-cycled.

14. Transport information

Land transport (ADR/RID)

UN number : 1719
ADR/RID class : 8
Classification code : C5
Warning plate
Hazard-no. : 80
Hazard label : 8
ADR/RID packing group : II
Limited quantity : LQ22

Description of the goods

Ätzender alkalischer flüssiger Stoff, n.a.g. (Natriumhypochlorit, Kalium und/oder Natriumhydroxid)

Remarks (land transport)

: 274
: 2
: E

Marine transport

UN number : 1719
IMDG code : 8
Marine pollutant : •
Hazard label : 8
IMDG packing group : II
EmS : F-A, S-B
Limited quantity : 1 L

Description of the goods

CAUSTIC ALKALI LIQUID, N.O.S. (sodium hypochlorite, potassium and/or sodium hydroxide)

Remarks (marine transport)

: 274, 944

15. Regulatory information

Labelling

Danger symbols : C - Corrosive



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Hazardous component(s) to be indicated on label

potassium hydroxide, sodium hypochlorite, solution 1-5 % Cl active

R phrases

- 31 Contact with acids liberates toxic gas.
- 35 Causes severe burns.

S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Water. .
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Special labelling for certain preparations

Warning! Do not use together with other products. May release dangerous gases (chlorine).

Additional advice on labelling

Product is classified and labelled according to EC regulations or according to the corresponding national laws.

EU regulatory information

Additional information

Labelling for contents according to regulation (EC) No 648/2004: < 5 % chlorine-based bleaching agents , 5-15 % phosphates

National regulatory information

Water contaminating class : 1 - slightly water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 22 Harmful if swallowed.
- 31 Contact with acids liberates toxic gas.
- 34 Causes burns.
- 35 Causes severe burns.
- 50 Very toxic to aquatic organisms.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.