



# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP alka

Print date: 30.01.2013

Revision date: 02.01.2013

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
REACH No		
215-181-3	potassium hydroxide	20-40 %
1310-58-3	C - Corrosive, Xn - Harmful R22-35	

Full text of each relevant R phrase can be found in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

not applicable

##### After contact with skin

After contact with skin, wash immediately with: Water.

##### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

##### After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Consult physician immediately.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water fog. Water. Foam.

##### Extinguishing media which must not be used for safety reasons

none / none

#### 5.2. Special hazards arising from the substance or mixture

none / none

#### 5.3. Advice for firefighters

none / none

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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

#### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

#### 6.3. Methods and material for containment and cleaning up

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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### Advice on safe handling

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

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

No special technical protective measures are necessary.

Storageclass (D): 8B

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1310-58-3	Potassium hydroxide	-	-	-	TWA (8 h)	WEL
		-	2	-	STEL (15 min)	WEL

### 8.2. 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-DIN EN 143) 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. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. In case of reutilization, clean gloves before taking off and store in well-aired place.

Duration of wearing with occasional contact (splashes): Duration of wearing with permanent contact:

Suitable material:

Butyl rubber.FKM (Fluoroelastomer (Viton)). NBR (Nitrile rubber). CR (polychloroprenes, Chloroprene rubber). NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection

Suitable eye protection: Framed glasses. Tightly sealed safety glasses. EN 166

#### Skin protection

Take off immediately all contaminated clothing.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: light brown  
Odour: characteristic

#### Test method

pH-Value (at 20 °C): ca. 14

#### Changes in the physical state

Flash point: not applicable

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### Oxidizing properties

none / none

Density (at 20 °C):

1,4 g/cm<sup>3</sup>

Water solubility:  
(at 20 °C)

easily soluble.

## SECTION 10: Stability and reactivity

### 10.5. Incompatible materials

Reacts with : acid, concentrated.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Acute toxicity, oral LD50: calculated. mg/kg bw: ca. 1000 mg/kg

CAS No	Chemical name	Exposure routes	Method	Dose	Species	h
1310-58-3	potassium hydroxide					
	Acute oral toxicity		LD50	273 mg/kg	Rat	

#### Irritation and corrosivity

highly caustic.

#### Further information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name	Aquatic toxicity	Method	Dose	Species	h
1310-58-3	potassium hydroxide					
	Acute fish toxicity		LC50	80 mg/l	Gambusia affinis	96

### 12.6. 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.

#### Further information

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Consult the local waste disposal expert about waste disposal.

#### Waste disposal number of waste from residues/unused products

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200115 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); alkalines  
Classified as hazardous waste.

### Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

### Contaminated packaging

Completely emptied packings can be re-cycled.  
Waste disposal according to official state regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** UN1814  
**14.2. UN proper shipping name:** POTASSIUM HYDROXIDE SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Classification code: C5  
Limited quantity: 1 L  
Transport category: 2  
Hazard No: 80  
Tunnel restriction code: E

**Other applicable information (land transport)**  
E2

### Marine transport (IMDG)

**14.1. UN number:** UN1814  
**14.2. UN proper shipping name:** POTASSIUM HYDROXIDE SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Marine pollutant: no  
Special Provisions: -  
Limited quantity: 1 L  
EmS: F-A, S-B

### Air transport (ICAO)

**UN/ID number:** UN1814  
**14.2. UN proper shipping name:** POTASSIUM HYDROXIDE SOLUTION  
**14.3. Transport hazard class(es):** 8

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### 14.4. Packing group:

II

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

0.5 L

IATA-packing instructions - Passenger:

851

IATA-max. quantity - Passenger:

1 L

IATA-packing instructions - Cargo:

855

IATA-max. quantity - Cargo:

30 L

### **Other applicable information (air transport)**

E2

: Y840

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

Water contaminating class (D):

1 - slightly water contaminating

## SECTION 16: Other information

### Full text of R phrases referred to under Sections 2 and 3

- 22 Harmful if swallowed.  
35 Causes severe burns.

### Further Information

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. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*