

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

Identification of the substance or preparation

LCK388, TIC cuvette; SDS 1 from 2

Use of the substance/preparation

Water analysis

Company/undertaking identification

For Great Britain:

HACH LANGE Ltd. \* Lennox Road, Hants. \* GB-Basingstoke.

Hampshire. \* RG22 4AP

Information provided by: Tel. 01256/333403 Fax. 01256/330724

For all other countries:

HACH LANGE GmbH \* Willstätterstr.11 \* D-40549 Düsseldorf

Information provided by:

Tel. 0049/211/5288-223 Fax.0049/211/5288-231

## 2. Composition/information on ingredients

Chemical characterization

Hazardous ingredients

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CAS-no.	EC-no.	concentration	haz.sym.	R-phrases
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Hazardous substance name

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6381-92-6	205-358-3	<3 %	Xn	R22
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ETHYLENEDINITRILOTETRAACETIC ACID DISODIUM SALT DIHYDRAT

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## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 4. First aid measures

First aid measures / general information

Change soaked clothing

First aid measures / inhalation

Ensure supply of fresh air.

First aid measures / skin contact

In case of contact with skin wash off immediately with plenty of water

First aid measures / eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

First aid measures / ingestion

Rinse out mouth and give plenty of water to drink.

Advice to doctor:

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable extinguishing media

Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed.

### Special exposure hazards

Dangerous fumes may be formed in case of fire.

### Special protective equipment for firefighters

Use self-contained breathing apparatus.  
For fire-fighting use protective clothing, rubber boots and rubber gloves.

### Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6. Accidental release measures

### Personal precautions

Use personal protective clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up

Take up with absorbent material (e.g. sand, vermiculit).  
Flush away residues with water.

## 7. Handling and storage

### Handling

Use only in well-ventilated areas.

### Storage

Store in a dry place.

## 8. Exposure controls/personal protection

### Exposure limit values

Hazardous substance name		limit value
CAS no.	EG no.	

### Personal protective equipment

Chemical resistant protective gloves  
Safety glasses with side protection shield  
Use barrier skin cream.  
Wash hands before breaks and after work.  
Remove soiled or soaked clothing immediately.

## 9. Physical and chemical properties

### General information

Form : liquid

Colour : colourless

Odour : odourless

### Important health, safety and environment information

Density at: 20°C 1,0 g/cm<sup>3</sup>

Solubility in water at 20 °C : completely

PH value at 20°C: 4,3

## 10. Stability and reactivity

Hazardous reaction / Materials to avoid  
No hazardous reactions known.

Hazardous decomposition products  
No hazardous decomposition products known.

## 11. Toxicological information

Harmful effects cannot be ruled out.

## 12. Ecological information

Do not allow product to reach the drainage.

## 13. Disposal considerations

Our local agencies will accept used cuvettes to ensure their proper disposal free of charge.  
Waste code = 16 05 06

## 14. Transport information

Not classified by the dangerous goods regulations (ADR, IATA, IMDG).

## 15. Regulatory information

### Labelling

The product does not require a hazard warning label in accordance with EC Directives

Switzerland: FOPH T no.: 611500 toxic class: -

## 16. Other information

The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind.

Text of any R phrases referred to under heading 2:

R22 Harmful if swallowed.

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

Identification of the substance or preparation

LCK388; indicator cuvette; SDS 2 from 2

Use of the substance/preparation

Water analysis

Company/undertaking identification

For Great Britain:

HACH LANGE Ltd. \* Lennox Road, Hants. \* GB-Basingstoke.  
Hampshire. \* RG22 4AP

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## 2. Composition/information on ingredients

Chemical characterization

Hazardous ingredients

CAS-no.	EC-no.	concentration	haz.sym.	R-phrases
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Hazardous substance name				
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1310-73-2	231-892-1	<0,5 %	C	R35
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SODIUM HYDROXIDE				
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## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 4. First aid measures

First aid measures / general information

Change soaked clothing

First aid measures / inhalation

Ensure supply of fresh air.

First aid measures / skin contact

In case of contact with skin wash off immediately with plenty of water

First aid measures / eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

First aid measures / ingestion

Rinse out mouth and give plenty of water to drink.

Advice to doctor:

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable extinguishing media

Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed.

### Special exposure hazards

Dangerous fumes may be formed in case of fire.

### Special protective equipment for firefighters

Use self-contained breathing apparatus.  
For fire-fighting use protective clothing, rubber boots and rubber gloves.

### Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6. Accidental release measures

### Personal precautions

Use personal protective clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up

Pick up with absorbent material.  
Flush away residues with water.

## 7. Handling and storage

### Handling

Use only in well-ventilated areas.

### Storage

Store in a dry place.

## 8. Exposure controls/personal protection

### Exposure limit values

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Hazardous substance name	limit value
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CAS no.	EG no.
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SODIUM HYDROXIDE	
1310-73-2	231-892-1 MAK
	2.00 mg/m3

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### Personal protective equipment

Chemical resistant protective gloves

Safety glasses with side protection shield

Use barrier skin cream.

Wash hands before breaks and after work.

Remove soiled or soaked clothing immediately.

## 9. Physical and chemical properties

### General information

Form : liquid

Colour : colourless

Odour : odourless

### Important health, safety and environment information

Density at: 20°C 1,02 g/cm<sup>3</sup>

Solubility in water at 20 °C : completely

## 10. Stability and reactivity

### Hazardous reaction / Materials to avoid

No hazardous reactions known.

### Hazardous decomposition products

No hazardous decomposition products known.

## 11. Toxicological information

Irritating effects through skin contact possible.

## 12. Ecological information

### Fish toxicity :

Toxic at concentrations of 20 mg/l sodium hydroxide or higher.

Luminescent bacteria toxicity (LUMISTox) : EC20 EC50

Salicylic acid : 21 mg/l 153 mg/l

Do not allow product to reach the drainage.

## 13. Disposal considerations

Our local agencies will accept used cuvettes to ensure their proper disposal free of charge.

Waste code = 16 05 06

## 14. Transport information

Not classified by the dangerous goods regulations (ADR, IATA, IMDG).

## 15. Regulatory information

### Labelling

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

Switzerland: FOPH T no.: 681100 toxic class: -

## 16. Other information

The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind.

Text of any R phrases referred to under heading 2:

R35 Causes severe burns.