

Safety Data Sheet

according to 2001/58/EC

LCK 380 TOC/COT, Indikatorküvette/Indicator Cuvette; 1/4

Print date : 22.02.2006

Product code : LCK380-1

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

1.1 Identification of the substance or preparation

LCK 380 TOC/COT, Indikatorküvette/Indicator Cuvette; 1/4

Use of the substance/preparation

Water analysis

1.2 Company/undertaking identification

Company name HACH LANGE GmbH
Street Willstätterstr. 11
Place D-40549 Düsseldorf

e-mail info@hach-lange.de
Inquiry office

Telephone +49(0)2115288 0
Telefax +49(0)2115288143

HACH LANGE Ltd.
Pacific Way
Salford Manchester M50 1DL - England
Tel. +44 (0) 161 872 1487
e-Mail: info@hach-lange.co.uk

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
213-791-2	7732-18-5	Water	> 99 %	
231-211-8	7447-40-7	Potassium chloride	< 0,1 %	
233-139-2	10043-35-3	Boric acid	< 0,1 %	
215-185-5	1310-73-2	caustic soda, sodium hydroxide	< 0,1 %	C R35
263-650-6	62625-21-2	Thymolblue Sodium salt	< 0,1 %	

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

3. Hazards identification

Classification

The product does not need to be labelled in accordance with EC directives or respective national laws.

4. First aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

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Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

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

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. Handling and storage

7.1 Handling

Advice on safe handling

Use only in well-ventilated areas.

7.2 Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.

8. Exposure controls/personal protection

8.1 Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	-	-	TWA (8 h)	WEL
		-	2	-	STEL (15 min)	WEL

8.2 Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

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Use barrier skin cream.
Wash hands before breaks and after work.
Chemical resistant protective gloves
The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

safety glasses with side-shields

Skin protection

Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

9.1 General information

Physical state	liquid
Colour	blue
Odour	odourless

9.2 Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	10
Changes in the physical state	
Flash point	not applicable
Flammability	
Solid	not applicable
Gas	not applicable
Lower explosion limits	not applicable
Upper explosion limits	not applicable
Density (at 20 °C) :	1 g/cm ³
Water solubility : at (20 °C)	completely soluble

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

Materials to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

No data is available on the product itself.

12. Ecological information

Ecotoxicity

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

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13. Disposal considerations

Advice on disposal

In accordance with local and national regulations. Our local agencies will accept used cuvettes to ensure their proper disposal.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	9
Warning plate	
UN number	3316
ADR/RID packing group	III

Description of the goods

Chemical kit

Inland waterways transport

Remarks (inland waterways transport)

not tested

Marine transport

IMDG code	9
UN number	3316
Marine pollutant	--
EmS	F-A,S-P
IMDG packing group	III

Description of the goods

Chemical kit

Air transport

ICAO/IATA-DGR	9
UN/ID number	3316
ICAO packing group	III

Description of the goods

Chemical kit

Futher Information

This product forms part of a kit. Information in this section relates to the kit as a whole.

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15. Regulatory information

15.1 Labelling

Labelling according to EC-guidelines

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Additional information on EC regulations

The product does not need to be labelled in accordance with EC directives or respective national laws.

15.2 National regulations

Water contaminating class

-- not water contaminating

16. Other information

List of relevant R phrases

35 Causes severe burns.

Other data

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

Safety Data Sheet

according to 2001/58/EC

LCK 380 TOC/COT, LCK 380 A; 2/4

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Product code : LCK380-2

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

1.1 Identification of the substance or preparation

LCK 380 TOC/COT, LCK 380 A; 2/4

Use of the substance/preparation

Water analysis

1.2 Company/undertaking identification

Company name HACH LANGE GmbH
Street Willstätterstr. 11
Place D-40549 Düsseldorf

e-mail info@hach-lange.de
Inquiry office

Telephone +49(0)2115288 0
Telefax +49(0)2115288143

HACH LANGE Ltd.
Pacific Way
Salford Manchester M50 1DL - England
Tel. +44 (0) 161 872 1487
e-Mail: info@hach-lange.co.uk

2. Composition/information on ingredients

Chemical characterization (substance)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-892-1	7775-27-1	Sodium peroxodisulfate	100 %	O, Xn R08-22-36/37/38-42/43

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

3. Hazards identification

Classification

Symbols : Oxidizing, Harmful
R-phrases :
Contact with combustible material may cause fire.
Harmful if swallowed.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

4. First aid measures

General information

Take off all contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.

After inhalation

Move to fresh air.
If skin irritation persists, call a physician.

After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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After ingestion

Clean mouth with water and drink afterwards plenty of water. Consult a physician.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Oxidizing properties
Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Use mechanical handling equipment.

7. Handling and storage

7.1 Handling

Advice on safe handling

Use only in well-ventilated areas.

7.2 Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.
Keep at temperatures between 15 and 25°C.

Advice on storage compatibility

Keep away from combustible material.

Further information on storage conditions

Keep locked up or in an area accessible only to qualified or authorised persons.

8. Exposure controls/personal protection

8.1 Exposure limit values

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Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
7775-27-1	Disodium peroxodisulphate (measured as [S2O8]) (OLD)	-	1		TWA (8 h)	OES
		-	-		STEL (15 min)	OES

8.2 Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

Use barrier skin cream.

Wash hands before breaks and after work.

Chemical resistant protective gloves

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

safety glasses with side-shields

Skin protection

Avoid contact with skin, eyes and clothing.

9. Physical and chemical properties

9.1 General information

Physical state	solid
Colour	white
Odour	odourless

9.2 Important health, safety and environmental information

pH-Value (at 20 °C) :	1,5 (5 % solution)	Test method
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Changes in the physical state

Flash point	not applicable
Lower explosion limits	not applicable
Upper explosion limits	not applicable
Density (at 20 °C) :	1,1 g/cm ³
Water solubility : at (20 °C)	556 g/L

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Materials to avoid

combustible material
reducing agents
bases

Hazardous decomposition products

Sulphur oxides

Additional information

Stable under recommended storage conditions.

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11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

LD50/oral/rat = 920 mg/kg

Corrosive and irritant effects

Irritating to eyes, respiratory system and skin.

Sensitising effects

May cause sensitization by inhalation and skin contact.

12. Ecological information

Ecotoxicity

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Advice on disposal

Our local agencies will accept used cuvettes to ensure their proper disposal.
In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	9
Warning plate	
UN number	3316
ADR/RID packing group	III

Description of the goods

Chemical kit

Inland waterways transport

Description of the goods

not tested

Marine transport

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IMDG code 9
UN number 3316
Marine pollutant --
EmS F-A,S-P

Description of the goods

Chemical kit

Air transport

ICAO/IATA-DGR 9
UN/ID number 3316

Description of the goods

Chemical kit

Further Information

This product forms part of a kit. Information in this section relates to the kit as a whole.

15. Regulatory information

15.1 Labelling

Indication of danger

O - Oxidizing; Xn - Harmful



O - Oxidizing

Xn - Harmful

Labelling according to EC-guidelines

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Hazardous component(s) to be indicated on label

Sodium peroxodisulfate

R phrases

- 08 Contact with combustible material may cause fire.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitization by inhalation and skin contact.

S phrases

- 24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.

15.2 National regulations

Water contaminating class

1 - slightly water contaminating

16. Other information

List of relevant R phrases

- 08 Contact with combustible material may cause fire.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitization by inhalation and skin contact.

Other data

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.

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LCK 380 TOC/COT, TC-Küvette/TC-Cuvette/TC-Cuve; 3/4

Print date : 22.02.2006

Product code : LCK380-3

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

1.1 Identification of the substance or preparation

LCK 380 TOC/COT, TC-Küvette/TC-Cuvette/TC-Cuve; 3/4

Use of the substance/preparation

Water analysis

1.2 Company/undertaking identification

Company name HACH LANGE GmbH
Street Willstätterstr. 11
Place D-40549 Düsseldorf

e-mail info@hach-lange.de
Inquiry office

Telephone +49(0)2115288 0
Telefax +49(0)2115288143

HACH LANGE Ltd.
Pacific Way
Salford Manchester M50 1DL - England
Tel. +44 (0) 161 872 1487
e-Mail: info@hach-lange.co.uk

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
213-791-2	7732-18-5	Water	> 95 %	
215-183-4	1310-65-2	Lithium hydroxide	< 2 %	C R22-35
231-820-9	7757-82-6	Sodium sulfate	< 1 %	

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

3. Hazards identification

Classification

Symbols : Irritant
R-phrases :
Irritating to eyes and skin.

4. First aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water for at least 15 minutes.
If skin irritation persists, call a physician.

After contact with eyes

Immediately flush eye(s) with plenty of water. Consult a physician.

After ingestion

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Rinse mouth. Immediately give large quantities of water to drink.
Consult a physician.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Use mechanical handling equipment.
Flush with plenty of water.

7. Handling and storage

7.1 Handling

Advice on safe handling

Avoid contact with skin and eyes.

7.2 Storage

Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Keep locked up or in an area accessible only to qualified or authorised persons.

8. Exposure controls/personal protection

8.1 Exposure limit values

8.2 Exposure controls

Occupational exposure controls

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Protective and hygiene measures

Wash hands before breaks and at the end of workday.

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according to 2001/58/EC

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Hand protection

Use barrier skin cream.
Chemical resistant protective gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Eye protection

safety glasses with side-shields

Skin protection

Take off contaminated clothing and shoes immediately.

9. Physical and chemical properties

9.1 General information

Physical state	liquid
Colour	colourless, clear
Odour	odourless

9.2 Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	12
Changes in the physical state	
Melting point	no data available
Boiling point	not applicable
Sublimation point	no data available
Softening point	no data available
Flammability	
Solid	not applicable
Gas	not applicable
Lower explosion limits	not applicable
Upper explosion limits	not applicable
Density (at 20 °C) :	1 g/cm ³
Water solubility : at (20 °C)	completely soluble

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage conditions.

Materials to avoid

alkali metals

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

No toxicology information is available.

Corrosive and irritant effects

Irritating to eyes, respiratory system and skin.

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according to 2001/58/EC

LCK 380 TOC/COT, TC-Küvette/TC-Cuvette/TC-Cuve; 3/4

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12. Ecological information

Ecotoxicity

Do not let product enter drains.

13. Disposal considerations

Advice on disposal

Our local agencies will accept used cuvettes to ensure their proper disposal.
In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	9
Warning plate	
UN number	3316
ADR/RID packing group	III

Description of the goods

Chemical kit

Inland waterways transport

Remarks (inland waterways transport)

not tested

Marine transport

IMDG code	9
UN number	3316
Marine pollutant	--
EmS	F-A,S-P
IMDG packing group	III

Description of the goods

Chemical kit

Air transport

ICAO/IATA-DGR	9
UN/ID number	3316
ICAO packing group	III

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LCK 380 TOC/COT, TC-Küvette/TC-Cuvette/TC-Cuve; 3/4

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Description of the goods

Chemical kit

Futher Information

This product forms part of a kit. Information in this section relates to the kit as a whole.

15. Regulatory information

15.1 Labelling

Indication of danger

Xi - Irritant



Xi - Irritant

Labelling according to EC-guidelines

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Hazardous component(s) to be indicated on label

Lithium hydroxide

R phrases

36/38 Irritating to eyes and skin.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

15.2 National regulations

Water contaminating class

- - not water contaminating

16. Other information

List of relevant R phrases

22 Harmful if swallowed.

35 Causes severe burns.

36/38 Irritating to eyes and skin.

Other data

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.

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LCK 380 TOC/COT, TIC-Küvette/TIC-Cuvette/TIC-Cuve; 4/4

Print date : 22.02.2006

Product code : LCK380-4

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

1.1 Identification of the substance or preparation

LCK 380 TOC/COT, TIC-Küvette/TIC-Cuvette/TIC-Cuve; 4/4

Use of the substance/preparation

Water analysis

1.2 Company/undertaking identification

Company name HACH LANGE GmbH

Street Willstätterstr. 11

Place D-40549 Düsseldorf

e-mail info@hach-lange.de

Inquiry office

Telephone +49(0)2115288 0

Telefax +49(0)2115288143

HACH LANGE Ltd.
Pacific Way
Salford Manchester M50 1DL - England
Tel. +44 (0) 161 872 1487
e-Mail: info@hach-lange.co.uk

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
213-791-2	7732-18-5	Water	> 80 %	
231-913-4	7778-77-0	Potassium dihydrogen phosphate	> 10 %	
205-358-3	6381-92-6	Ethylenedinitrilotetraacetic acid disodium salt dihydrate	< 5 %	

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

3. Hazards identification

Classification

The product does not need to be labelled in accordance with EC directives or respective national laws.

4. First aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

Consult a physician.

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Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

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

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. Handling and storage

7.1 Handling

Advice on safe handling

Use only in well-ventilated areas.

7.2 Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.

8. Exposure controls/personal protection

8.1 Exposure limit values

8.2 Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

Use barrier skin cream.

Wash hands before breaks and after work.

Chemical resistant protective gloves

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

safety glasses with side-shields

Safety Data Sheet

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LCK 380 TOC/COT, TIC-Küvette/TIC-Cuvette/TIC-Cuve; 4/4

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Skin protection

Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

9.1 General information

Physical state	liquid
Colour	colourless
Odour	odourless

9.2 Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	4,3
Changes in the physical state	
Flash point	not applicable
Flammability	
Solid	not applicable
Gas	not applicable
Lower explosion limits	not applicable
Upper explosion limits	not applicable
Density (at 20 °C) :	1 g/cm ³
Water solubility : at (20 °C)	completely soluble

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

Materials to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

No data is available on the product itself.

12. Ecological information

Ecotoxicity

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Advice on disposal

In accordance with local and national regulations. Our local agencies will accept used cuvettes to ensure their proper disposal.

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Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	9
Warning plate	
UN number	3316
ADR/RID packing group	III

Description of the goods

Chemical kit

Inland waterways transport

Remarks (inland waterways transport)

not tested

Marine transport

IMDG code	9
UN number	3316
Marine pollutant	--
EmS	F-A,S-P
IMDG packing group	III

Description of the goods

Chemical kit

Air transport

ICAO/IATA-DGR	9
UN/ID number	3316
ICAO packing group	III

Description of the goods

Chemical kit

Further Information

This product forms part of a kit. Information in this section relates to the kit as a whole.

15. Regulatory information

15.1 Labelling

Labelling according to EC-guidelines

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Safety Data Sheet

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Additional information on EC regulations

The product does not need to be labelled in accordance with EC directives or respective national laws.

15.2 National regulations

Water contaminating class 1 - slightly water contaminating

16. Other information

Other data

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