

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

Identification of the substance or preparation

LCK325 Formaldehyde, Sample cuvette; SDS 1 from 3

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

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

123-54-6	204-634-0	< 0,5 %	Xn	R10, R22
ACETYLACETONE				

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

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 : aromatic

Important health, safety and environment information

Vapor pressure: 10°C 15 hPa

Density at: 20°C 1,0 g/cm³

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

Because of the composition of the product, no acute toxic effects in general are to be expected.

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/the relevant national laws.

Switzerland: FOPH T no.: 610200 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:

R10 Flammable.

R22 Harmful if swallowed.

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

Identification of the substance or preparation

LCK325 Formaldehyde, LCK 325 A; SDS 2 from 3

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

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

64-19-7	200-580-7	< 3 %	C	R10, R35
ACETIC ACID				

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

Hazardous substance name	limit value
--------------------------	-------------

CAS no.	EG no.
---------	--------

ACETIC ACID				
64-19-7	200-580-7	MAK	10.00	ml/m3
		MAK	25.00	mg/m3

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 : aromatic

Important health, safety and environment information

Density at: 20°C 1,2 g/cm³

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 on the skin and mucous membrane.

12. Ecological information

Luminescent bacteria toxicity (LUMISTox) : EC20 EC50
Ammonium acetate: 494 mg/l 2574 mg/l

If properly handled, no ecological problems are to be expected.

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.: 601100 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:

R10 Flammable.

R35 Causes severe burns.

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

Identification of the substance or preparation

LCK325 Formaldehyde, zero solution; SDS 3 from 3

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

CAS-no.	EC-no.	concentration	haz.sym.	R-phrases
Hazardous substance name				
7732-18-5	231-791-2	> 99 %		
WATER				
3567-69-9	222-657-4	< 0,01 %	T	R45, R23/25
AZORUBIN				

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 water

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

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

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

Boiling point: 100 °C
Density at: 20°C 1,0 g/cm³
Solubility in water at 20 °C : completely
PH value at 20°C: 2,5

10. Stability and reactivity

Hazardous reaction / Materials to avoid
No hazardous reactions known.

Hazardous decomposition products
No hazardous decomposition products known.

11. Toxicological information

Because of the composition of the product, no acute toxic effects in general are to be expected.

12. Ecological information

If properly handled, no ecological problems are to be expected.

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.: 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:

R23/25 Toxic by inhalation and if swallowed.
R45 May cause cancer.