

# Safety Data Sheet

according to 2001/58/EC

## LCK 326 Magnesium/ Magnésium, Sample cuvette; 1/2

Print date : 19.04.2007

Product code : LCK326-1

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

#### Identification of the substance or preparation

LCK 326 Magnesium/ Magnésium, Sample cuvette; 1/2

#### Use of the substance/preparation

Water analysis

#### Company/undertaking identification

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

e-mail : info@hach-lange.de  
Internet : www.hach-lange.com

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

Telephone : +49(0)2115288-0  
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HACH LANGE Ltd.  
Unit 1, Chestnut Road Western Industrial Estate  
Dublin 12 - Ireland  
Tel. +353 (0)1 4602522  
e-Mail: info@hach-lange.ie

### 2. Composition/information on ingredients

Chemical characterization ( preparation )

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
201-800-4	9003-39-8	Polyvidon 25	> 95 %	
219-318-8	2411-89-4	Phthalein purple	< 5 %	

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

### 3. Hazards identification

#### Classification

This preparation is not classified as dangerous according to Directive 1999/45/EC.

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.

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#### After ingestion

Clean mouth with water and drink afterwards plenty of water.

#### 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 arriving 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

Sweep up or vacuum up spillage and collect in suitable container for disposal.

### 7. Handling and storage

#### Handling

##### Advice on safe handling

Use only in well-ventilated areas.

#### Storage

##### Requirements for storage rooms and vessels

Keep in a dry, cool place.

### 8. Exposure controls/personal protection

#### Exposure limit values

#### 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.

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#### Eye protection

Safety glasses with side-shields

#### Skin protection

Remove and wash contaminated clothing before re-use.

## 9. Physical and chemical properties

### General information

Physical state : solid  
Colour : white  
Odour : odourless

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Flash point : not applicable  
Lower explosion limits : not applicable  
Upper explosion limits : not applicable  
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

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.

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#### 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)

#### Remarks (land transport)

Not subject to transport regulations.

### Inland waterways transport

#### Remarks (inland waterways transport)

Not tested

### Marine transport

#### Remarks (marine transport)

Not subject to transport regulations.

### Air transport

#### Remarks (air transport)

Not subject to transport regulations.

## 15. Regulatory information

### 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.

### 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.

## Safety Data Sheet

according to 2001/58/EC

### LCK 326 Magnesium/ Magnésium, LCK 326 A; 2/2

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Product code : LCK326-2

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

##### Identification of the substance or preparation

LCK 326 Magnesium/ Magnésium, LCK 326 A; 2/2

##### Use of the substance/preparation

Water analysis

##### Company/undertaking identification

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

e-mail : info@hach-lange.de  
Internet : www.hach-lange.com

Inquiry office : HACH LANGE Ltd.  
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HACH LANGE Ltd.  
Unit 1, Chestnut Road Western Industrial Estate  
Dublin 12 - Ireland  
Tel. +353 (0)1 4602522  
e-Mail: info@hach-lange.ie

#### 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 %	
205-633-8	144-55-8	Sodium hydrogen carbonate	< 2 %	
207-838-8	497-19-8	Sodium carbonate	< 2 %	Xi R36
203-049-8	102-71-6	Triethanolamine	< 1 %	

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

#### 3. Hazards identification

##### Classification

This preparation is not classified as dangerous according to Directive 1999/45/EC.

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 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.

#### 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

Sweep up or vacuum up spillage and collect in suitable container for disposal.

### 7. Handling and storage

#### Handling

##### Advice on safe handling

Use only in well-ventilated areas.

#### Storage

##### Requirements for storage rooms and vessels

Keep in a dry, cool place.

### 8. Exposure controls/personal protection

#### Exposure limit values

#### 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.

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#### Eye protection

Safety glasses with side-shields

#### Skin protection

Remove and wash contaminated clothing before re-use.

## 9. Physical and chemical properties

### General information

Physical state : liquid  
Colour : colourless  
Odour : odourless

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Flash point :	not applicable
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable
	1,03 g/cm <sup>3</sup>
	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.

#### 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.

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#### 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)

##### Remarks (land transport)

Not subject to transport regulations.

#### Inland waterways transport

##### Remarks (inland waterways transport)

Not tested

#### Marine transport

##### Remarks (marine transport)

Not subject to transport regulations.

#### Air transport

##### Remarks (air transport)

Not subject to transport regulations.

### 15. Regulatory information

#### 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.

#### National regulations

Water contaminating class : - - not water contaminating

### 16. Other information

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

36 Irritating to eyes.

#### 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.)*