

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, Sample cuvette; 1/4

Print date : 07.03.2006

Product code : HCT122-1

Page 1 of 4

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

1.1 Identification of the substance or preparation

HCT 122 Phosphat/Phosphate, Sample 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 :

HACH LANGE Ltd.

Pacific Way

Salford Manchester M50 1DL - England

Tel. +44 (0) 161 872 1487

e-Mail: info@hach-lange.co.uk

Telephone : +49(0)2115288 0

Telefax : +49(0)2115288143

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 %	
231-639-5	7664-93-9	sulphuric acid ... %	1 %	C R35

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.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, Sample cuvette; 1/4

Print date : 07.03.2006

Product code : HCT122-1

Page 2 of 4

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

Soak up with inert absorbent material and dispose of as hazardous waste.

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

Skin protection

Remove and wash contaminated clothing before re-use.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, Sample cuvette; 1/4

Print date : 07.03.2006

Product code : HCT122-1

Page 3 of 4

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) :	1
Changes in the physical state	
Boiling point :	approx. 100 °C
Flash point :	not applicable
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable
Vapour pressure : (at 10 °C)	15 hPa
Density (at 20 °C) :	1,04 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

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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, Sample cuvette; 1/4

Print date : 07.03.2006

Product code : HCT122-1

Page 4 of 4

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.

14. Transport information

Land transport (ADR/RID)

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

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-B
IMDG packing group : II

Description of the goods

Chemical kit

Air transport

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

Description of the goods

Chemical kit

Further Information

These transport data apply to the entire pack

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 : 1 - slightly water contaminating

16. Other information

List of relevant R phrases

35 Causes severe burns.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, UniCap A; 2/4

Print date : 07.03.2006

Product code : HCT122-2

Page 1 of 5

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

1.1 Identification of the substance or preparation

HCT 122 Phosphat/Phosphate, UniCap 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 (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-892-1	7775-27-1	Sodium peroxidisulfate	75 %	O, Xn R08-22-36/37/38-42/43
231-984-1	7783-20-2	Ammonium sulfate	25 %	

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

3. Hazards identification

Classification

Symbols : Harmful, Irritant

R-phrases :

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. Consult a physician.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, UniCap A; 2/4

Print date : 07.03.2006

Product code : HCT122-2

Page 2 of 5

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

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.

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
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

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, UniCap A; 2/4

Print date : 07.03.2006

Product code : HCT122-2

Page 3 of 5

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

9. Physical and chemical properties

9.1 General information

Physical state : solid
Colour : white
Odour : odourless

9.2 Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	1,5 (5 % solution)
Changes in the physical state	
Flash point :	not applicable
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable
Water solubility : (at 20 °C)	completely soluble

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Corrosive and irritant effects

The product causes irritation of eyes, skin and mucous membranes.

Sensitising effects

May cause sensitization by inhalation and skin contact.

12. Ecological information

Ecotoxicity

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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, UniCap A; 2/4

Print date : 07.03.2006

Product code : HCT122-2

Page 4 of 5

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.

14. Transport information

Land transport (ADR/RID)

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

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-B
IMDG packing group : II

Description of the goods

Chemical kit

Air transport

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

Description of the goods

Chemical kit

Futher Information

These transport data apply to the entire pack

15. Regulatory information

15.1 Labelling

Indication of danger : Xn - Harmful



Xn - Harmful

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, UniCap A; 2/4

Print date : 07.03.2006

Product code : HCT122-2

Page 5 of 5

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

- 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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, HCT 122 B; 3/4

Print date : 07.03.2006

Product code : HCT122-3

Page 1 of 5

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

1.1 Identification of the substance or preparation

HCT 122 Phosphat/Phosphate, HCT 122 B; 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 :

HACH LANGE Ltd.

Pacific Way

Salford Manchester M50 1DL - England

Tel. +44 (0) 161 872 1487

e-Mail: info@hach-lange.co.uk

Telephone : +49(0)2115288 0

Telefax : +49(0)2115288143

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 %	
231-639-5	7664-93-9	sulphuric acid ... %	16 %	C R35
234-722-4	12054-85-2	Ammonium heptamolydate tetrahydrate	<2 %	
226-218-8	5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid	<1 %	Xi R36/38-52-53
234-293-3	28300-74-5	Potassium antimony(III) oxide tartrate hemihydrate	<1 %	Xn, N R20/22-51/53

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

3. Hazards identification

Classification

Symbols : Corrosive

R-phrases :

Causes severe burns.

4. First aid measures

General information

Take off all contaminated clothing immediately.

Consult a physician. Show this safety data sheet to the doctor in attendance.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water for at least 15 minutes. Consult a physician. Show this safety data sheet to the doctor in attendance.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, HCT 122 B; 3/4

Print date : 07.03.2006

Product code : HCT122-3

Page 2 of 5

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Show this safety data sheet to the doctor in attendance.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Consult a physician. Show this safety data sheet to the doctor in attendance.

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. 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

Soak up with inert absorbent material and dispose of as hazardous waste.

7. Handling and storage

7.1 Handling

Advice on safe handling

Use only in well-ventilated areas. Do not breathe vapours/dust.

7.2 Storage

Requirements for storage rooms and vessels

Keep in a dry 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.

Respiratory protection

Breathing apparatus only if aerosol or dust is formed.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, HCT 122 B; 3/4

Print date : 07.03.2006

Product code : HCT122-3

Page 3 of 5

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

@N08.0051328

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 230 °C) :	1
Changes in the physical state	
Melting point :	<-4 °C
Boiling point :	>100 °C
Flash point :	not applicable
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable
Vapour pressure :	20 hPa
(at 20 °C)	
Density (at 20 °C) :	1,11 g/cm ³

10. Stability and reactivity

Hazardous decomposition products

Sulphur trioxide, Sulphur oxides

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Corrosive and irritant effects

The product causes burns of eyes, skin and mucous membranes.

12. Ecological information

Ecotoxicity

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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, HCT 122 B; 3/4

Print date : 07.03.2006

Product code : HCT122-3

Page 4 of 5

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

160505 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers other than those mentioned in 16 05 04

14. Transport information

Land transport (ADR/RID)

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

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-B
IMDG packing group : II

Description of the goods

Chemical kit

Air transport

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

Description of the goods

Chemical kit

Futher Information

These transport data apply to the entire pack

15. Regulatory information

15.1 Labelling

Indication of danger : C - Corrosive



C - Corrosive

Labelling according to EC-guidelines : Classification according to European directive on classification of hazardous preparations 1999/45/EC.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate, HCT 122 B; 3/4

Print date : 07.03.2006

Product code : HCT122-3

Page 5 of 5

Hazardous component(s) to be indicated on label

sulphuric acid ... %

R phrases

35 Causes severe burns.

S phrases

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

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

35 Causes severe burns.

52 Harmful to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

20/22 Harmful by inhalation and if swallowed.

36/38 Irritating to eyes and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate; HCT 122 UniCap C; 4/4

Print date : 07.03.2006

Product code : HCT122-4

Page 1 of 4

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

1.1 Identification of the substance or preparation

HCT 122 Phosphat/Phosphate; HCT 122 UniCap C; 4/4

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

Additional Information

Water analysis

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-066-2	50-81-7	Ascorbic acid	>50 %	
231-891-6	10555-76-7	Sodium metabotatate	<25 %	Xi R36/37/38
232-677-5	9004-54-0	Dextran	>15 %	

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.

Advice to doctor

Treat symptomatically.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate; HCT 122 UniCap C; 4/4

Print date : 07.03.2006

Product code : HCT122-4

Page 2 of 4

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

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 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

according to 2001/58/EC

HCT 122 Phosphat/Phosphate; HCT 122 UniCap C; 4/4

Print date : 07.03.2006

Product code : HCT122-4

Page 3 of 4

9. Physical and chemical properties

9.1 General information

Physical state : solid
Colour : white
Odour : odourless

9.2 Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	4-4,5
Changes in the physical state	
Melting point :	192 °C
Flash point :	not applicable
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable

9.3 Other information

Bulk density: 600-900 kg/m³

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

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 data is available on the product itself.

12. Ecological information

Ecotoxicity

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.

Safety Data Sheet

according to 2001/58/EC

HCT 122 Phosphat/Phosphate; HCT 122 UniCap C; 4/4

Print date : 07.03.2006

Product code : HCT122-4

Page 4 of 4

14. Transport information

Land transport (ADR/RID)

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

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-B
IMDG packing group : II

Description of the goods

Chemical kit

Air transport

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

Description of the goods

Chemical kit

Futher Information

These transport data apply to the entire pack

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 : 1 - slightly water contaminating

16. Other information

List of relevant R phrases

36/37/38 Irritating to eyes, respiratory system and skin.