

Material Safety Data Sheet
According to 1907/2006/EC - Article 31

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

1.1 Product Identifier Calcium Hardness Test Tablets

Trade Name: Ethylenediametetraacetic Acid Tetra sodium salt

CAS No: 194491-31-1

EC No:

Trade Name: Lithium hydroxide

CAS No: 1310-66-3

EC No: 215-183-4

Trade Name: Microcrystalline cellulose

CAS No: 9004-34-6

EC No: 232-674-9

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: At this time we do not yet have information on identified uses.

Restrictions: At this time we do not yet have information on identified uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Corrosion			H314

For the full text of the H statements mentioned in this section see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Corrosive	R34

For the full text of the R phrases mentioned in this section see Section 16.

Most important adverse effects

Human Health:	See section 11 for toxicological information.
Physical & Chemical Hazards:	See section 9 for toxicological information.
Potential environmental effects:	See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word:

Danger

Hazard statements:

H314

Causes severe skin burns and eye damage

Trade Name: Calcium Hardness Test Tablets

2. Hazard Identification...cont

Precautionary statements:

General

Prevention P280 Wear protective gloves/protective clothing

Response P301+330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Hazardous components which must be listed on the label

Lithium Hydroxide

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Solid

Chemical Name	Identification Numbers	Amount %
Ethylenediametetraacetic Acid Tetra sodium salt	CAS-No. 194491-31-1 EC-No.	5 - 10%
Lithium hydroxide	CAS-No. 1310-66-3 EC-No. 215-183-4	10 - 30%
Microcrystalline cellulose	CAS-No. 9004-34-6 EC-No. 232-674-9	30 - 60%

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: : Unlikely route of exposure as the product does not contain volatile substances

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

If swallowed: Clean mouth with water and drink plenty of water. Call an ambulance and take these instructions. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If a person vomits when lying on his back place him in the recovery position.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if necessary.

Trade Name: Calcium Hardness Test Tablets

4. First Aid measures...cont

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No further information available.
Effects: No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat Symptomatically.
No further information available.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate and local, circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire Fighting: No further information available.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit).

Further Information: Collect contaminated fire extinguishing water separately.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment.
Avoid contact with skin and eyes.
For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol

Further information: Treat recovered material as described in the section 'Disposal considerations'

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Keep container tightly closed. Use personal protective equipment. Avoid contact with the skin and the eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with skin, eye and clothing.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers: Store in original container in a dry, cool place

Advice on protection against fire and explosion: No further information available.

Further information on storage conditions: No further information available.

Advice on common storage: Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s) No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Component: Ethylenediametetraacetic acid tetra sodium salt CAS No: 194491-31-1

Other OELs

Regulatory Basis: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

Regulatory List:	WEL	WEL
Value type:	Time Weighted Average (TWA)	Time Weighted Average (TWA)
Time:	8 hrs	15 min
Value:	4 mg/m ³	20 mg/m ³

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection Advice: Not required

Hand protection Advice: Suitable gloves
The glove material has to be impermeable to the product/the substance/ the preparation. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first sign of wear.

Eye protection Advice: Glasses or goggles

Skin and body protection Advice: protective clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system.

Trade Name: Calcium Hardness Test Tablets

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Colour:	Pink
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity

10.1 Reactivity	No information available.
10.2 Chemical stability	No decomposition if stored and applied as directed.
10.3 Possibility of hazardous reactions	
Hazardous reactions:	No further information available.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	No further information available.
10.6 Hazardous decomposition products	
Hazardous decomposition products:	Stable under recommended storage conditions.

Trade Name: Calcium Hardness Test Tablets

11. Toxicological Information

11.1 Information on toxicological effects

Component: Lithium Hydroxide

CAS No: 194491-31-1

Acute Toxicity

Oral

Result	Corrosive
Remarks	Causes burns

Irritation

Skin

Result	Corrosive
Remarks	Causes burns to skin

Irritation

Eyes

Result	Corrosive
Remarks	Causes burns to eyes

Other relevant toxicity information

All numerical values for acute toxicity are calculated on the pure substances. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

12. Ecological Information

12.1 Toxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: No data available

Additional ecological information

Remarks: Currently we do not have any information from our supplier about this.

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

European Waste Catalogue No:

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Trade Name: Calcium Hardness Test Tablets

14. Transport Information

14.1 UN Number 2680

14.2 UN proper shipping name

ADR: LITHIUM HYDROXIDE
RID: LITHIUM HYDROXIDE
IMDG: LITHIUM HYDROXIDE

14.3 Transport hazard class(es)

ADR Class 8
(Label, classification code; Hazard ID; Tunnel Restriction code) 8; c1; 80; (E)
RID Class 8
(Label, Classification Code; Hazard ID;) 8; c1; 80;
IMDG Class 8
(Labels; EmS) 8; F-A,S-B

14.4 Packaging Group

ADR: II
RID: II
IMDG: II

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR: no
Labelling according to 5.2.1.8 RID: no
Labelling according to 5.2.1.8 IMDG: no
Classification as environmentally hazardous according to 2.9.3 IMDG: no
Classified as 'P' according to 2.10 IMDG: no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG: Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.
Sulphuric acid:

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

Trade Name: Calcium Hardness Test Tablets

16. Other information

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

R34 Causes burns

Full text of H-statements referred to under sections 2 and 3

H314 Causes severe skin burns and eye damage

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances.
CAS: Chemicals Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	21/09/07	Linda Brueford	
2	22/03/11	Linda Brueford	GHS label elements added and other minor editorial amendments

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

1.1 Product Identifier

Trade Name: DPD1 Test Tablet

CAS No:

EC No:

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Testing Water

Restrictions: At this time we do not yet have information on identified uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulations

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for

Other Hazards

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Solid

Chemical Name

Identification Numbers

Amount %

N,N-Diethyl-P-Phenylene Diamine Sulphate

CAS-No.

EC-No.

7646-93-7

231-594-1

5 - 10%

Trade Name: Palintest DPD1 Test Tablet

4. First Aid measures

4.1 Description of first aid measures

- | | |
|--------------------------|--|
| If inhaled: | Unlikely route of exposure as the product does not contain volatile substances. |
| If Ingested: | Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately |
| In case of skin contact: | Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing |
| In case of eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention if irritation continues. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-----------|-----------------------------------|
| Symptoms: | No further information available. |
| Effects: | No further information available. |

4.3 Indication of immediate medical attention and special treatment needed

- | | |
|-----------|------------------------|
| Treatment | Treat Symptomatically. |
|-----------|------------------------|

5. Fire fighting measures

5.1 Extinguishing media:

- | | |
|---------------------------------|---|
| Suitable extinguishing media: | Use extinguishing measures that are appropriate to the surrounding environment. |
| Unsuitable extinguishing media: | No information available. |

5.2 Special hazards arising from the substance or mixture

- | | |
|--|---------------------------|
| Specific Hazards during fire fighting: | No information available. |
|--|---------------------------|

5.3 Advice for fire-fighters

- | | |
|------------------------------|---------------------------|
| Special protective equipment | No information available. |
| Further Information: | No information available. |

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|-----------------------|---|
| Personal Precautions: | Use personal protective equipment. Provide adequate ventilation.
Avoid contact with skin and eyes.
For personal protection see section 8. |
|-----------------------|---|

6.2 Environmental precautions

- | | |
|----------------------------|--|
| Environmental precautions: | Not relevant considering the small amounts used. |
|----------------------------|--|

6.3 Methods and materials for containment and cleaning up

- | | |
|---|---|
| Methods and materials for containment and cleaning up | Avoid generation and spreading of dust. Collect in containers and seal securely. Flush the area with water. |
|---|---|

6.4 Reference to other sections

- | |
|---------------------------------------|
| For personal protection see section 8 |
|---------------------------------------|

Trade Name: Palintest DPD1 Test Tablet

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Use personal protective equipment. Avoid handling which leads to dust formation.
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:	Keep in original containers. Store in a cool and well ventilated place.
Advice on protection against fire and	The product is not flammable.
Further information on storage conditions:	No further data available
Advice on common storage:	Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s)	Water Testing
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8. Exposure control/personal protection

8.1 Control parameters

Regulatory Basis:	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.
Not regulated	

8.2 Exposure controls

Engineering measures	Refer to protective measures listed in sections 7 and 8.
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Personal protective equipment

Respiratory protection	Advice:	No specific recommendation made, but protection against nuisance dust must be used when levels above 10mg/m ³
Hand protection	Advice:	Use suitable protective gloves if risk of skin contact.
Glove thickness:		No recommendation
Material:		No recommendation
Gloves:		No recommendation
Eye protection	Advice:	Tightly fitting safety goggles.
Skin and body protection	Advice:	Protective clothing.

Environmental exposure controls

General advice:	Good personal hygiene practises always advisable when working with chemicals.
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9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Solid
Colour:	Off white
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity**10.1 Reactivity**

Advice:	No information available.
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10.2 Chemical stability

Advice:	No decomposition if stored and applied as directed. No further information available.
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10.3 Possibility of hazardous reactions

Hazardous reactions:	No hazardous reactions known
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10.4 Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5 Incompatible materials

Materials to avoid	No information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	Carbon monoxide Carbon dioxide
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Trade Name: Palintest DPD1 Test Tablet

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Oral

Remarks

May cause discomfort if swallowed

Irritation

Skin

Remarks

Powder may irritate skin

Eyes

Remarks

Particles in the eyes may cause irritation and smarting

Further information

Other relevant toxicity information:

No specific symptoms noted but this chemical may still have adverse health impact, either in general or on certain individuals.

12. Ecological Information

12.1 Toxicity

There is no data on the toxicity of this product. The product components are not classified as environmentally hazardous.

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Additional ecological information

Remarks:

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

Trade Name: Palintest DPD1 Test Tablet

13. Disposal Considerations

13.1 Waste treatment methods

European Waste Catalogue No:

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

This product is not classified according to the EU regulations

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

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

Full text of H-statements referred to under sections 2 and 3

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances.

CAS: Chemicals Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	18/05/11	Linda Brueford	Updated to 2011 European requirements

Material Safety Data Sheet
According to 1907/2006/EC - Article 31

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

1.1 Product Identifier

Trade Name: DPD No3 Rapid Test Tablets

CAS No:

EC No:

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Testing Water

Restrictions: At this time we do not yet have information on identified uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd

Unit 2, The Park

Stoke Orchard

Bishops Cleeve

Gloucestershire

GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulations

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for

Other Hazards

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Solid

Chemical Name

Identification Numbers

CAS-No. EC-No.

Amount %

Ion exchange resin

mixture of non hazardous chemicals

<1%

Trade Name: Palintest DPD3 Rapid Test Tablet

4. First Aid measures

4.1 Description of first aid measures

- | | |
|--------------------------|--|
| If inhaled: | Unlikely route of exposure as the product does not contain volatile substances. |
| If Ingested: | Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately |
| In case of skin contact: | Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing |
| In case of eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention if irritation continues. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-----------|-----------------------------------|
| Symptoms: | No further information available. |
| Effects: | No further information available. |

4.3 Indication of immediate medical attention and special treatment needed

- | | |
|-----------|------------------------|
| Treatment | Treat Symptomatically. |
|-----------|------------------------|

5. Fire fighting measures

5.1 Extinguishing media:

- | | |
|---------------------------------|---|
| Suitable extinguishing media: | Use extinguishing measures that are appropriate to the surrounding environment. |
| Unsuitable extinguishing media: | No information available. |

5.2 Special hazards arising from the substance or mixture

- | | |
|--|---------------------------|
| Specific Hazards during fire fighting: | No information available. |
|--|---------------------------|

5.3 Advice for fire-fighters

- | | |
|------------------------------|---------------------------|
| Special protective equipment | No information available. |
| Further Information: | No information available. |

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|-----------------------|---|
| Personal Precautions: | Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8. |
|-----------------------|---|

6.2 Environmental precautions

- | | |
|----------------------------|--|
| Environmental precautions: | Not relevant considering the small amounts used. |
|----------------------------|--|

6.3 Methods and materials for containment and cleaning up

- | | |
|---|---|
| Methods and materials for containment and cleaning up | Avoid generation and spreading of dust. Collect in containers and seal securely. Flush the area with water. |
|---|---|

6.4 Reference to other sections

- | |
|---------------------------------------|
| For personal protection see section 8 |
|---------------------------------------|

Trade Name: Palintest DPD3 Rapid Test Tablet

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Use personal protective equipment. Avoid handling which leads to dust formation.
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:	Keep in original containers. Store in a cool and well ventilated place.
Advice on protection against fire and	The product is not flammable.
Further information on storage conditions:	No further data available
Advice on common storage:	Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s)	Water Testing
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8. Exposure control/personal protection

8.1 Control parameters

Regulatory Basis:	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.
Not regulated	

8.2 Exposure controls

Engineering measures	Refer to protective measures listed in sections 7 and 8.
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Personal protective equipment

Respiratory protection	Advice:	No specific recommendation made, but protection against nuisance dust must be used when levels above 10mg/m ³
Hand protection	Advice:	Use suitable protective gloves if risk of skin contact.
Glove thickness:		No recommendation
Material:		No recommendation
Gloves:		No recommendation
Eye protection	Advice:	Tightly fitting safety goggles.
Skin and body protection	Advice:	Protective clothing.

Environmental exposure controls

General advice:	Good personal hygiene practises always advisable when working with chemicals.
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Trade Name: Palintest DPD3 Rapid Test Tablet

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Colour:	White
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity

10.1 Reactivity

Advice:	No information available.
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10.2 Chemical stability

Advice:	No decomposition if stored and applied as directed. No further information available.
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10.3 Possibility of hazardous reactions

Hazardous reactions:	No hazardous reactions known
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10.4 Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5 Incompatible materials

Materials to avoid	No information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	Carbon monoxide Carbon dioxide
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Trade Name: Palintest DPD3 Rapid Test Tablet

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Oral

Remarks: May cause discomfort if swallowed

Irritation

Skin

Remarks: Powder may irritate skin

Eyes

Remarks: Particles in the eyes may cause irritation and smarting

Further information

Other relevant toxicity information: No specific symptoms noted but this chemical may still have adverse health impact, either in general or on certain individuals.

12. Ecological Information

12.1 Toxicity

There is no data on the toxicity of this product. The product components are not classified as environmentally hazardous.

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: No further information

13. Disposal Considerations

13.1 Waste treatment methods

Product: Dispose of waste and residue in accordance with local authority requirements.

Contaminated packaging: Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

European Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Trade Name: Palintest DPD3 Rapid Test Tablet

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

This product is not classified according to the EU regulations

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

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

Full text of H-statements referred to under sections 2 and 3

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances.

CAS: Chemicals Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	19/05/11	Linda Brueford	Updated to 2011 European requirements

Material Safety Data Sheet
According to 1907/2006/EC - Article 31

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

1.1 Product Identifier

Trade Name: Phenol Red Rapid Test Tablets
CAS No:
EC No:

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Testing Water
Restrictions: At this time we do not yet have information on identified restrictions

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulations

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for

Other Hazards

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Solid

Chemical Name

Identification Numbers

Amount % Hazard

Ion exchange resin
mixture of non hazardous chemicals

CAS-No. EC-No.

1 - 5% R36 : H320

Trade Name: Phenol Red Rapid Test Tablet

4. First Aid measures

4.1 Description of first aid measures

- If inhaled: Unlikely route of exposure as the product does not contain volatile substances.
- If Ingested: Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately
- In case of skin contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing
- In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention if irritation continues.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms: No further information available.
- Effects: No further information available.

4.3 Indication of immediate medical attention and special treatment needed

- Treatment Treat Symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

- Suitable extinguishing media: Use extinguishing measures that are appropriate to the surrounding environment.
- Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

- Specific Hazards during fire fighting: No information available.

5.3 Advice for fire-fighters

- Special protective equipment No information available.
- Further Information: No information available.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions: Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8.

6.2 Environmental precautions

- Environmental precautions: Not relevant considering the small amounts used.

6.3 Methods and materials for containment and cleaning up

- Methods and materials for containment and cleaning up Avoid generation and spreading of dust. Collect in containers and seal securely. Flush the area with water.

6.4 Reference to other sections

- For personal protection see section 8

Trade Name: Phenol Red Rapid Test Tablet

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Use personal protective equipment. Avoid handling which leads to dust formation.
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:	Keep in original containers. Store in a cool and well ventilated place.
Advice on protection against fire and	The product is not flammable.
Further information on storage conditions:	No further data available
Advice on common storage:	Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s)	Water Testing
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8. Exposure control/personal protection

8.1 Control parameters

Regulatory Basis:	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.
Not regulated	

8.2 Exposure controls

Engineering measures	Refer to protective measures listed in sections 7 and 8.
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Personal protective equipment

Respiratory protection	Advice:	No specific recommendation made, but protection against nuisance dust must be used when levels above 10mg/m^3
Hand protection	Advice:	Use suitable protective gloves if risk of skin contact.
Glove thickness:		No recommendation
Material:		No recommendation
Gloves:		No recommendation
Eye protection	Advice:	Tightly fitting safety goggles.
Skin and body protection	Advice:	Protective clothing.

Environmental exposure controls

General advice:	Good personal hygiene practises always advisable when working with chemicals.
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Trade Name: Phenol Red Rapid Test Tablet

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Colour:	Red Brown
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity

10.1 Reactivity

Advice:	No information available.
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10.2 Chemical stability

Advice:	No decomposition if stored and applied as directed. No further information available.
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10.3 Possibility of hazardous reactions

Hazardous reactions:	No hazardous reactions known
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10.4 Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5 Incompatible materials

Materials to avoid	No information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	Currently we do not have any information from our supplier about this.
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Trade Name: Phenol Red Rapid Test Tablet

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Oral

Remarks: May cause discomfort if swallowed

Irritation

Skin: Remarks: Powder may irritate skin

Eyes: Remarks: Particles in the eyes may cause irritation and smarting

Further information

Other relevant toxicity information: No specific symptoms noted but this chemical may still have adverse health impact, either in general or on certain individuals.

12. Ecological Information

12.1 Toxicity

There is no data on the toxicity of this product. The product components are not classified as environmentally hazardous.

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: No further information

13. Disposal Considerations

13.1 Waste treatment methods

Product: Dispose of waste and residue in accordance with local authority requirements.

Contaminated packaging: Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

European Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Trade Name: Phenol Red Rapid Test Tablet

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

This product is not classified according to the EU regulations

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3
R36 Irritating to eyes

Full text of H-statements referred to under sections 2 and 3

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	25/08/11	Linda Brueford	Updated to 2011 European requirements

Material Safety Data Sheet
According to 1907/2006/EC - Article 31

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

1.1 Product Identifier

Trade Name: Total Alkalinity Test Tablets
CAS No: 7646-93-7
EC No: 231-594-1

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Testing Water
Restrictions: At this time we do not yet have information on identified uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Irritation			H315
Eye Irritation			H320

For the full text of the H statements mentioned in this section see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Irritant	R36/38

For the full text of the R phrases mentioned in this section see Section 16.

Most important adverse effects

Human Health:	See section 11 for toxicological information.
Physical & Chemical Hazards:	See section 9 for toxicological information.
Potential environmental effects:	See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word:

Warning

Hazard statements:

H320	Causes Eye Irritation
H315	Causes Skin Irritation

Trade Name: Total Alkalinity Test Tablet

2. Hazard Identification...cont

Precautionary statements:

General

Prevention P280 Wear protective gloves/protective clothing / eye & face protection

Response P301+ P330 + P315: IF SWALLOWED: rinse mouth. Get immediate medical attention.

P303+ P361 + P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower. If symptoms occur get medical attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Storage P403 + P235: Store in a well ventilated place. Keep cool

Hazardous components which must be listed on the label

Potassium Hydrogensulphate

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Solid

Chemical Name

Identification Numbers

Amount %

	CAS-No.	EC-No.	
Potassium Hydrogensulphate	7646-93-7	231-594-1	5 - 10%
Sodium Hydrogen Carbonate	144-55-8	205-633-8	<1%
Sodium Metabisulphate	7681-57-4	231-673-0	<1%

4. First Aid measures

4.1 Description of first aid measures

If inhaled: Unlikely route of exposure as the product does not contain volatile substances.

If Ingested: Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately

In case of skin contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If irritation continues continue flushing during transport to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No further information available.

Effects: No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment Treat Symptomatically.
No further information available.

Trade Name: Palintest Total Alkalinity Test Tablet

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to the surrounding environment.
This product itself does not burn.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting: No information available.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit).

Further Information: No information available.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.
Avoid contact with skin and eyes.
For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: Not relevant considering the small amounts used.
Do not discharge into the ground or water courses.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Avoid generation and spreading of dust. Collect in containers and seal securely.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Use personal protective equipment. Avoid contact with skin and eyes.
Emergency eye wash should be available in the immediate vicinity.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

Trade Name: Palintest Total Alkalinity Test Tablet

7. Handling and storagecontinued

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers: Keep in original containers. Store in a cool and well ventilated place.

Advice on protection against fire and The product is not flammable.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep in a well ventilated place.

Advice on common storage: Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s) Water Testing

8. Exposure control/personal protection

8.1 Control parameters

Regulatory Basis: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

Component: Microcrystalline Cellulose CAS No:

Regulatory List: WEL
Value type: Time Weighted Average (TWA)
Value: 4 mg/m³

Regulatory List: WEL
Value type: Short Term Exposure Limit (STEL)
Value: 20 mg/m³

Component: Sodium Metabisulphate CAS No: 7681-57-4

Regulatory List: WEL
Value type: Time Weighted Average (TWA)
Value: 5 mg/m³

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection Advice: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection Advice: Use suitable protective gloves if risk of skin contact.

Glove thickness: No recommendation
Material: No recommendation
Gloves: No recommendation

Eye protection Advice: Tightly fitting safety goggles.

Skin and body protection Advice: Protective clothing.

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

Trade Name: Palintest Total Alkalinity Test Tablet

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Colour:	Pink
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity

10.1 Reactivity

Advice:	No information available.
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10.2 Chemical stability

Advice:	No decomposition if stored and applied as directed. No further information available.
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10.3 Possibility of hazardous reactions

Hazardous reactions:	No hazardous reactions known
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10.4 Conditions to avoid

Conditions to avoid	No information available.
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10.5 Incompatible materials

Materials to avoid	No information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	No information available.
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Trade Name: Palintest Total Alkalinity Test Tablet

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Oral

Remarks

May cause stomach pain or vomiting. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Irritation

Skin

Remarks

Irritating to skin

Eyes

Remarks

May cause severe irritation to eyes

Further information

Other relevant toxicity information:

No data available

12. Ecological Information

12.1 Toxicity

There is no data on the toxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Additional ecological information

Remarks: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

Trade Name: Palintest Total Alkalinity Test Tablet

13. Disposal Considerations

13.1 Waste treatment methods

European Waste Catalogue No:

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number 3260

14.2 UN proper shipping name

ADR: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)
RID: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)
IMDG: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)

14.3 Transport hazard class(es)

ADR Class	8
(Label, classification code; Hazard ID; Tunnel Restriction code)	8; 2X; 80; (E)
RID Class	8
(Label, Classification Code; Hazard ID;)	8; 2X; 80;
IMDG Class	8
(Labels; EmS)	8; F-A,S-B

14.4 Packaging Group

ADR: III
RID: III
IMDG: III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR: no
Labelling according to 5.2.1.8 RID: no
Labelling according to 5.2.1.8 IMDG: no
Classification as environmentally hazardous according to 2.9.3 IMDG: no
Classified as 'P' according to 2.10 IMDG: no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG: Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

Trade Name: Palintest Total Alkalinity Test Tablet

16. Other information

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

R34	Causes burns
R31	Contact with acids liberates toxic gases
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R36	Irritating to eyes
R37	Irritating to respiratory system
R52	Risk of serious damage to eyes

Full text of H-statements referred to under sections 2 and 3

H320	Causes Eye Irritation
H315	Causes Skin Irritation

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	12/05/11	Linda Brueford	Updated to 2011 European requirements