

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

1.1 Product Identifier

Trade Name: pH 7.0 Buffer solution

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

Uses: Calibration of pH probes

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) +44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

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

Prevention P280: Wear protective gloves/eye protection

Response P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Storage P402+404: Store in a dry place. Store in a closed container

Disposal P501: Dispose of contents/container to landfill only if it is impossible to recycle.

2.3 Other Hazards No other information is available.

3. Composition/information on ingredients

3.1 Mixture

Mixture of substances listed below with nonhazardous additions.

Chemical Name	CAS-No.
Water	7732-18-5

4. First Aid measures

4.1 Description of first aid measures

General Advice:	This product poses minimal health hazards
If inhaled:	Unlikely route of exposure; move patient to fresh air
In case of skin contact:	Instantly wash with water and soap and rinse thoroughly.
In case of eye contact:	May cause irritation, tearing and blurred vision; flush with water for 15 minutes, consult a physician.
If swallowed:	Do not induce vomiting; wash mouth with water and give water to drink. If symptoms persist consult a doctor.

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.
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5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local, circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire	None. Product is not flammable and not explosive. Product and containers may undergo thermal decomposition and emit noxious gases.
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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).
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Further Information:	Dispose of fire debris & contaminated fire fighting water in accordance with local regulations.
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6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions:	Use personal protective equipment. Provide adequate ventilation.
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6.2 Environmental precautions

Environmental precautions:	Do not allow to enter sewers surface or ground water.
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6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up.	Absorb with a liquid binding material (sand, diatomite, universal binders). Dispose of contaminated material as waste according to item 13.
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Further information	Treat recovered material as described in the section "Disposal considerations"
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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: No special requirements, general ventilation is sufficient

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers: Store in original container @15 - 25°C

Advice on protection against fire and No special measures required

Further information on storage conditions: Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Protect from humidity and keep away from water. Protect from heat, direct sunlight and light

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

Contains no substances with occupational exposure limit values

8.2 Exposure controls

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

General Information: Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes. The usual precautionary measures are to be adhered to when handling chemicals.

Personal protective equipment

Respiratory protection Advice: None required

Hand protection Advice: Gloves

Eye protection Advice: Chemical goggles

Skin and body protection Advice: Wear appropriate clothing to prevent repeated or prolonged skin contact

Environmental exposure controls

General advice: Dispose of in accordance with all applicable local and national regulations,

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid

Colour: Colourless

Odour: None

pH @ 20°C: 7

Boiling point/boiling range: undetermined

Melting point: undetermined

Flash point: n/a

Danger of explosion: Product does not present an explosion hazard

Density @ 20°C: 1 g/cm³

Water solubility: completely miscible.

9.2 Other Information

No further information

Trade Name: pH7 Buffer Solution

10. Stability and reactivity

- 10.1 Reactivity** No information available.
- 10.2 Chemical stability**
Advice: To avoid decomposition do not overheat
- 10.3 Possibility of hazardous reactions**
Hazardous reactions: No dangerous reactions known
- 10.4 Conditions to avoid**
Conditions to avoid No information available.
- 10.5 Incompatible materials**
Materials to avoid No information available.
- 10.6 Hazardous decomposition products**
Hazardous decomposition products: None known

11. Toxicological Information

- 11.1 Information on toxicological effects**
- Primary irritant effect:**
- on the skin:** No irritant effect known
- on the eye:** No irritant effect known
- Sensitization:** No sensitizing effects known.
- Further information**
- Other relevant toxicity information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

12. Ecological Information

- 12.1 Toxicity**
Generally not hazardous for water.
- 12.2 Persistence and degradability**
Remarks: No information 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: Avoid direct release to the environment

Trade Name: pH7 Buffer Solution

13. Disposal Considerations

13.1 Waste treatment methods

Product:	Disposal must be made according to official regulations
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.

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
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

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

Regulatory List	Notification	Notification No
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15.2 Chemical Safety Assessment

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

16. Other information

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.

Revision	Date	By	Amendment
1	02/07/07	Linda Brueford	Created
2	03/09/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	09/06/11	Linda Brueford	Updated latest version
4	22/10/13	Linda Brueford	Updated latest version