

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

### 1.1 Product Identifier

Trade Name: pH 9.0 Buffer solution

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

Uses: Calibration of pH probes

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](mailto: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

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.

Hazard Class	Hazard Category	Target Organs	Hazard Statements
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
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:	Not hazardous - No Criteria found
Signal word:	Not applicable
Hazard statements:	Not hazardous - No Criteria found

Prevention P280: Wear protective gloves/eye protection

Response 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.

#### Hazardous components which must be listed on the label

2.3 Other Hazards No other information is available.

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### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical nature: Liquid

Chemical Name	CAS-No.	Amount %
Boric acid (H <sub>3</sub> BO <sub>3</sub> )	10043-35-3	0.31
Potassium chloride (KCl)	7447-40-7	0.37
Sodium hydroxide (NaOH)	1310-73-2	0.09

### 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: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

If swallowed: Seek medical advice showing label where possible.

#### 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: Water, powder, foam, CO<sub>2</sub>

Unsuitable extinguishing media: No information available.

#### 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.

#### 5.3 Advice for fire-fighters

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

Further Information: Dispose of fire debris & contaminated fire fighting water in accordance with local regulations.

## 6. Accidental release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions: Do not allow to enter sewers surface or ground water.

### 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.

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: 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

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:** Use in a well ventilated area

#### Personal protective equipment

Respiratory protection Advice: None required

Hand protection Advice: Chemical resistant gloves

Glove material: Advice: PVC recommended

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:	Blue
Odour:	Odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	9
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	ca. >100°C
Melting Point	ca. > 0°C
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:	Product does not present an explosion hazard
Lower explosion limit:	Product does not present an explosion hazard
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:	1 g/cm <sup>3</sup>
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:	like water
Explosive properties:	Product is not explosive.
Oxidising properties:	Product is not an oxidiser

**9.2 Other Information**

Specific Gravity	Currently we do not have any information from our supplier about this.
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**10. Stability and reactivity**

<b>10.1 Reactivity</b>	No information available.
<b>10.2 Chemical stability</b>	
Advice:	To avoid decomposition do not overheat
<b>10.3 Possibility of hazardous reactions</b>	
Hazardous reactions:	No dangerous reactions known
<b>10.4 Conditions to avoid</b>	
Conditions to avoid	No information available.
<b>10.5 Incompatible materials</b>	
Materials to avoid	No information available.
<b>10.6 Hazardous decomposition products</b>	
Hazardous decomposition products:	Stable under recommended storage conditions.

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## 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.

#### 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

Minimum hazard if well diluted with 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: No data available

Further information:

Classification of danger 1  
Toxicity classification 4 (CH)

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Product: Neutralise with alkaline or lime water and run to waste while rinsing with water

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.

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#### 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

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** No further information available

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 dangereuses par Route (European Agreement concerning the
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations
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	22/08/07	Linda Brueford	Created
2	03/11/11	Linda Brueford	GHS label elements added, updated to latest legislation and other minor editorial amendments