

## SAFETY DATA SHEET

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

**1.1 Product Identifier** Aquablanc Liquid pH-

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

Uses: Maintain pH levels within the ideal range of 7.0 – 7.4.

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](mailto: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**

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Corrosion	Category 1A		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	R35

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

Precautionary statements:

Prevention

P280 Wear protective gloves/protective clothing eye protection/face protection.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

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**Trade Name:** Aquablanc Liquid pH-

## 2. Hazard Identification...cont

Response  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN ( or hair) :Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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  
P405 Store locked up.

**Hazardous components which must be listed on the label** sulphuric acid

**2.3 Other Hazards** No other information is available.

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical nature: Aqueous solution

Chemical Name	Index-No.	CAS-No.	EC-No.	%	H & R Phrases
Sulphuric acid	016-020-00-8	7664-93-9	: 231-639-5	>=15-< 50	H314 / R35

## 4. First Aid measures

### 4.1 Description of first aid measures

Remove contaminated clothing immediately and dispose of safely. Wash body carefully (bath or shower).

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
Keep at rest until fully recovered. If breathing is laboured or stopped apply artificial respiration at once.  
Seek medical treatment immediately.

#### After contact with skin

First swab the concentrated acid with dry pulp or textile; because the acid reacts vigorously with water and the strong evolution of heat.  
Wash off with plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

#### After contact with eyes

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.

#### After ingestion

Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person. Do not induce vomiting.  
Call a physician immediately.

### 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 local circumstances and 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: May decompose in a fire giving off toxic fumes.  
Hazardous decomposition products: Sulphur oxides.  
Reacts exothermic with water.

### 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.  
This must not be discharged into drains. Cool closed containers exposed to fire with water spray.

## 6. Accidental release Measures

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

Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes.  
Do not breath vapours or spray mist.  
For personal protection see section 8.

### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.  
If the product contaminates rivers and lakes or drains inform respective authorities  
Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and materials for containment and cleaning up

Neutralise with lime milk or soda and flush with plenty of water.  
Taking into account local regulations the product may be disposed of as waste water after neutralisation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) Keep in suitable, closed containers for disposal.

### 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. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. When diluting, always add the product to water. Never add water to the product.

#### 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. Do not breath vapours or spray mist.

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## 7. Handling and storage

### 7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:	Keep in an area equipped with acid resistant flooring. Store in original container
Advice on protection against fire and explosion:	The product is not flammable. Normal measures for preventive fire protection. Gives off hydrogen by reaction with metals. Risk of explosion.
Further information on storage conditions:	Keep tightly closed in a dry and cool place. Keep in a well ventilated place. Product is hygroscopic.
Advice on common storage:	Keep away from food, drink and animal feeding stuffs. Keep away from combustible material.
German storage class:	8B: Non-combustible substances, corrosive.

### 7.3 Specific end uses

No information is available.

## 8. Exposure control/personal protection

### 8.1 Control parameters

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

sulphuric acid		7664-93-9		
Regulatory List:	Value type:	Form :	Value:	Remarks:
EU ELV	Time Weighted Average (TWA)	Mist.	0.05mg/m <sup>3</sup>	Indicative

### 8.2 Exposure controls

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

#### Personal protective equipment

**Respiratory protection** Required if vapours or aerosol are released.  
Recommended Filter type: Combination filter: E-P2

**Hand protection** Chemical-resistant gloves (EN 374)  
The glove material has to be impermeable to the product/the substance/preparation. Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. Protective gloves should be replaced at first sign of wear.

Material:	Gloves:	Glove thickness:
Fluorinated rubber.	>= 8 h	0.5 mm
butyl-rubber	>= 2 h	0.5 mm

**Eye protection** Tightly fitting safety goggles.

**Skin and body protection** Acid resistant protective clothing.

#### Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities

Local authorities should be advised if significant spillages cannot be contained

Trade Name: Aquablanc Liquid pH-

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form: Liquid  
Colour: colourless  
Odour: odourless  
pH @ 20°C: ca. 1 5 g/l

### Changes in the physical state

Solidification point: ca. -40°C  
Boiling point/boiling range: ca. 120°C  
Flash point: No data available  
Upper explosion limit: No data available  
Lower explosion limit: No data available  
Relative vapour density: 3.4  
Density @ 20°C: ca. 1.3 g/cm<sup>3</sup>  
Water solubility: completely miscible.  
Ignition temperature: No data available  
Explosive properties: Product is not explosive.

### 9.2 Other Information

Molecular Weight: 98.1g/mol

## 10. Stability and reactivity

- 10.1 Reactivity** Is corrosive to metals.
- 10.2 Chemical stability** No decomposition if stored and applied as directed.
- 10.3 Possibility of hazardous reactions** Gives off hydrogen by reaction with metals. Reacts exothermic with water.
- 10.4 Conditions to avoid** No information available.
- 10.5 Incompatible materials** Organic materials; Bases; Reducing agents; Metals
- 10.6 Hazardous decomposition products**  
Hazardous decomposition products: Sulphur oxides  
Stable under recommended storage conditions.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

Sulphuric Acid		7664-93-9		
Acute oral toxicity	LD50	2,140	mg/kg	Rat
Acute inhalation toxicity*	LC50	510	mg/kg	Rat

\*These literature data deviate from the classification prescribed by the EC

### Primary Irritant effect

On the skin: Rabbit Very corrosive Causes severe skin burns  
On the eye: Rabbit Very corrosive Risk of serious damage to eyes

**Carceogenic** No data available

**Sensitization:** No sensitizing effects known

### Further 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****Acute Toxicity**

Sulphuric Acid		7664-93-9		
	Species:	Value type:	Exposure time:	Value:
Fish	Gambusia affinis	LC50	96h	42 mg/l
Daphnia	Daphnia magna	EC50	24h	29 mg/l
Bacteria	activated sludge	EC50	120h	58 mg/l

**12.2 Persistence and degradability** No data available

**12.3 Bioaccumulative potential** No data available

**12.4 Mobility in soil** Soluble in water, predicted to have high mobility in soil.

**12.5 Results of PBT and PvB assessment** No data available

**12.6 Other adverse effects**

All numerical values for etoxicity effects are calculated on the pure substances

Harmful effects to aquatic organisms due to pH shift

Neutralization is normally necessary before waste water is discharged into water treatment plants.

Do not flush into surface water or sanitary sewer system

**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.

**14. Transport Information**

**14.1 UN Number** 2796

**14.2 UN proper shipping name** SULPHURIC ACID

**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



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**14. Transport Information****14.4 Packaging Group**

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:**

Regulatory List	Notification	Notification No
AICS	YES	
DSL	YES	
INV (CN)	YES	
ENCS (JP)	YES	(1) - 430
ISHL (JP)	YES	(1) - 430
TSCA	YES	
EINECS	YES	231-639-5
KECI (KR)	YES	97-1-405
KECI (KR)	YES	KE-32570
PICCS (PH)	YES	

**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  
 R35 Causes severe 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.

█ Indicates updated section.