

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 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) +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.

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

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

P405 Store locked up.

Hazardous components which must be listed on the label sulphuric acid

2.3 Other Hazards No other information is available.

Trade Name: Aquablanc Liquid pH-

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

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

Unsuitable media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards: 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.

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.

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas: Keep in an area equipped with acid resistant flooring.

Containers: Store in original container

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: Keep tightly closed in a dry and cool place. Keep in a well ventilated place. Product is hygroscopic.

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 ³	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

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/cm³
Water solubility: completely miscible.
Ignition temperature: No data available
Explosive properties: Product is not explosive.

9.2 Other Information

Molecular Weight: 98.1g/mol

Trade Name: Aquablanc Liquid pH-

10. Stability and reactivity

10.1 Reactivity

Reactivity Is corrosive to metals.

10.2 Chemical stability

Chemical stability No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions: Gives off hydrogen by reaction with metals. Reacts exothermic with water.

10.4 Conditions to avoid

Conditions to avoid No information available.

10.5 Incompatible materials

Materials to avoid Organic materials; Bases; Reducing agents; Metals

10.6 Hazardous decomposition products

Haz. Decomp. 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:	Type:	Exposure :	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

Persistence and degradability No data available

12.3 Bioaccumulative potential

Bioaccumulative potential No data available

[Cont...]

Trade Name: Aquablanc Liquid pH-

12. Ecological Information

12.4 Mobility in soil

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

12.5 Results of PBT and PvB assessment

PBT and PvB No data available

12.6 Other adverse effects

Further information: 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 / RID Class 8
(Label, classification code; Hazard ID; Tunnel Restriction code) 8; c1; 80; (E)



IMDG Class 8
(Labels; EmS) 8; F-A,S-B



14.4 Packaging Group II

14.5 Environmental hazards

Environmentally Hazardous No
Marine Pollutant No

14.6 Special precautions for user Warning: Corrosive substance

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.****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

No data available

16. Other information

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.

Rev 2

Indicates updated section.