Springwash

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

1.1 Product Identifier Springwash

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

Uses: Reduction of Total Alkalinity

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) 3712 229084 (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 Statements
Metal Corr. 1	H290
Skin Irrit.2	H315
Eye Irrit.2	H319
STOT. SE3	H335

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 toxicilogical information
Physical & Chemical Hazards: See section 9 for physicochemical information
Potential environmental effects: See section 12 for environmental information

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark

Hazard symbols: 

Signal word: Warning

Hazard statements:	H290	Causes severe skin burns and eye damage
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
Precautionary statements:	P102	Keep out of reach of children
	P260	Do not breathe mist/ vapours/ spray
	P234	Keep only in original container
	P280	Wear protective gloves / eye protection / face protection
	P309+P311	If exposed or if you feel unwell: Call a poison centre or doctor
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a compfrtable position for breathing.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P501 -	Dispose of contents/container in accordance with national regulations.

Hazardous components which must be listed on the label Hydrochloric Acid

2.3 Other Hazards No other information is available.

3. Composition/information on ingredients

3.1 Substances

Hydrochloric Acid				
Index-No.	EINECS	CAS	CLP Classification	Percent
017-002-01-X	231-595-7	7647-01-11	Skin Corr 1B H314 : STOT H315	10 - 25%

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: In case of accident by inhalation: remove casualty to fresh air and keep at rest. Call a physician immediately

In case of skin contact: Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible

If swallowed: Clean mouth with water and drink afterwards plenty of water. 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

Inhalation: There may be irritation of the throat causing pain and a cough.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of immediate medical attention and special treatment needed

Treatment Eye bathing equipment should be available on the premises

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Use media appropriate to surrounding fire conditions.

5.2 Special hazards arising from the substance or mixture

Specific Hazards : May evolve toxic fumes in fire (Hydrogen Chloride, toxic chlorine compounds).

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: Suppress (knock down) gases/vapours/mists with a water spray jet.
Cool closed containers exposed to fire with water spray.
Collect contaminated fire extinguishing water separately. Do not discharge into drains

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Kee mist. For personal protection see Section 8. spill/leak. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. For personal protection see Section 8.

6.2 Environmental precautions

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

Cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Flush away residuals with plenty of water.

6.4 Reference to other sections For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Personal: 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.

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 the work day. Take off all contaminated clothing immediately. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas : Keep in an area equipped with acid resistant flooring. Store in original container.
Containers Keep well closed and protected from direct sunlight and moisture
Fire Protection: Normal measures for preventive fire protection
Further information : Keep in a well ventilated place. Product is hygroscopic.
Incompatible with: Organic peroxides Oxidizing and spontaneously flammable products alkalis Metals

7.3 Specific end uses No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Component:	hydrochloric acid		**CAS No:**	7664-93-9
List	Type	Form	mg/m^3	ppm
EU ELV	STEL		15	10
EU ELV	TWA		8	5
OES	Long Term	Mist	2	1
	Short Term	Mist	8	5

8.2 Exposure controls

Engineering measures Fume cupboard required when vapours/aerosol are generated.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipement.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

8. Exposure control/personal protection

8.2 Exposure controls

Personal protective equipment

Material	Thickness	Breakthrough Time
butyl-rubber	0.5mm	> = 8h
Polyvinylchloride	0.5mm	> = 8h
Fluorinated rubber	0.4mm	> = 8h
Nitrile rubber	0.35mm	> = 8h
polychloroprene	0.5mm	> = 8h

Eye protection: Wear safety goggles approved to standard EN 166. Provide eye station

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

Environmental exposure controls

General advice: 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: Pungent, Characteristic

pH @ 20°C: Less than 1
Boiling point: 101 – 104°C
Vapour pressure: Less than 5 at 15°C (measured in millibars
Relative vapour density: 1.04 – 1.12 at 20°C
Water solubility: completely miscible.

9.2 Other Information No further information

10. Stability and reactivity

10.1 Reactivity

Reactivity: No decomposition if stored and applied as directed

10.2 Chemical stability

Chemical stability: Attacks most common metals liberating hydrogen, which can form explosive mixtures with air.

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: Amines, carbides, hydrides, fluorine, alkali metals, metals, bases, salts of oxyhalogenic acids, aldehydes, sulphides.

10.6 Hazardous decomposition products

Haz. Decomp. Products: Hydrogen chloride

11. Toxilogical Information

11.1 Information on toxilogical effects

Toxicity Values No information available

Primary Irritant effect: On the skin: Causes severe skin burns and eye damage
On the eyes: Risk of serious damage to eyes

Sensitization: No sensitizing effects known
Carcinogenic There is no evidence that this substance has any carcinogenic properties.
Mutagenic No information available
Teratogenicity No information available

Other relevant toxicity information:

Ingestion: Ingestion may cause damage to the gastrointestinal tract. Repeated exposure to low levels may cause erosion of the teeth and ulceration of the nasal septum and gums

Inhalation: Inhalation of mists and vapour will cause irritation of the upper respiratory tract, high concentrations may cause corrosion, pulmonary oedema may occur up to 48 hours after exposure.

12. Ecological Information

12.1 Toxicity

Component:	hydrochloric acid			**CAS No:** 7664-93-9
LC50		25	mg/l	Leuciscus idus
EC50		5	mg/l	Daphnia Magna

12.2 Persistence and degradability

Persistence and degradability: Neutralised slowly by natural alkalinity.

12.3 Bioaccumlative potential

Bioaccumlative potential: Material does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil: Volatile liquid, soluble in water, predicted to have high mobility in soil.

12.5 Results of PBT and PvB assessment

PBT and PvB assessment: No data available

12.6 Other adverse effects

Harmful effects to aquatic organisms due to pH shift
Neutralization is normally necessary before waste water is discharged into water treatment plants.

13. Disposal Considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local,state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment ,dispose to an authorised waste collection point

Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

14. Transport Information

14.1 UN Number UN1789

14.2 UN proper shipping name HYDROCHLORIC ACID SOLUTION

14.3 Transport hazard class(es)

Class	8
Classification Code	C1
Hazard label	80
Transport Category	8
EMS	5B
Tunnel Code	E
Special Marking	n/a
LQ	1 Litre

14.4 Packaging Group II

14.5 Environmental hazards

Environmentally Hazardous	No
Marine Pollutant	No

14.6 Special precautions for user Clean up even minor leaks or spills if possible without unnecessary risk

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

IMDG: IBC02, P001

15. Regulatory information

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

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.2 Chemical Safety Assessment

No information available

16. Other information

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

H314	Causes severe skin burns and eye damage
H335	May cause respiratory 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.

▌Indicates updated section.