

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

1.1 Product Identifier

Trade Name: pH Plus
Other Names: Sodium Carbonate, Soda Ash, Alkali

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

Uses: The preparation of pH regulation

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
Eye Irrit	Category 2		H319

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 statements: H319 Causes serious eye irritation

Signal word: Warning

Hazard pictograms: GHS07

Hazard symbols:



Precautionary statements:

P102 Keep out of reach of children

P260 Do not breathe dust

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

Hazardous components which must be listed on the label sodium carbonate

2.3 Other Hazards No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical Name	CAS-No.	EC- No	Index No	%	H & S
sodium carbonate	497-19-8	207-838-8	011-005-00-2	92%	H319

4. First Aid measures

4.1 Description of first aid measures

General Advice:	Take off all contaminated clothing immediately.
If inhaled:	Remove casualty to fresh air; consult a doctor if symptoms persist
In case of skin contact:	Wash off with plenty of water. Generally the product does not irritate the skin
In case of eye contact:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
If swallowed:	Clean mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING. Seek immediate medical attention if symptoms persist.

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 media:	Dry powder. CO2 or water spray
Unsuitable media:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific Hazards	Gives off irritating or toxic fumes (or gases) in a fire. Vapours may ignite. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
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5.3 Advice for fire-fighters

Protective equipment	In the event of fire, wear self-contained breathing apparatus.
Further Information:	Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Wear protective clothing as per Section 8 Evacuate the area and keep personnel upwind Avoid breathing gas / mist / fumes. Avoid contact with skin and eyes Eye wash bottles should be available
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6.2 Environmental precautions

Environmental precautions: Do not allow to enter public sewers and watercourses

6.3 Methods and materials for containment and cleaning up

Cleaning up.	Place in sealed and labelled appropriate containers. Remove contaminated material to safe location for subsequent disposal.
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6.4 Reference to other sections

Reference to other sections	See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal
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Trade Name: pH Plus

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid breathing dust. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

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.

Storage : Store in original container

Fire and explosion: No special measures required

Further information : Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product out of the reach of children.

Common storage: Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses

Specific use(s) The preparation of pH regulation

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 In case of inadequate ventilation wear respiratory protection

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

Eye protection Wear safety glasses approved to standard EN 166.

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

Environmental exposure controls

Environmental 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: Crystalline powder

Colour: White

Odour: Odourless

pH @ 20°C: 11.5

Melting Point 854°C

Boiling point/boiling range: > 999°C

Flash point: Not applicable

Relative vapour density: 2.533 g/cm³

Water solubility: 212 g/l

Partition coefficient:n-octanol/water: Not known

Explosive properties: Product is not explosive.

9.2 Other Information

No further information available

Trade Name: pH Plus

10. Stability and reactivity

10.1 Reactivity

Reactivity No information available

10.2 Chemical stability

Chemical stability No decomposition if stored normally

10.3 Possibility of hazardous reactions

Hazardous reactions: No information available

10.4 Conditions to avoid

Conditions to avoid Avoid formation of dust. Keep away from heat and moisture.

10.5 Incompatible materials

Materials to avoid Incompatible with acid

10.6 Hazardous decomposition products

Haz. decomp. products: Stable under recommended storage conditions.

11. Toxicological Information

11.1 Information on toxicological effects

Toxicity Values

Route	Species	Test	Value	Units
Oral	Rat	LD50	4,090	mg/kg

Primary Irritant effect

On the skin: Powder may irritate skin

On the eye: Irritant

Carcinogenic There is no evidence that this substance has any carcinogenic properties.

Mutagenic There is no evidence that this substance is mutagenic

Sensitization: No sensitizing effects known

Additional toxicological information:

If ingested may cause discomfort

If inhaled irritating to mucous membranes and respiratory tract

12. Ecological Information

12.1 Toxicity

Etoxicity

LC50	96h	fish	100/1000	mg l
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12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumulative potential

Bioaccumulative potential No data available

12.4 Mobility in soil

Mobility in soil No data available

12.5 Results of PBT and PvB :

PBT and PvB : Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

Other adverse effects No data available

Trade Name: pH Plus

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

Euro 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	Clean up even minor leaks or spills if possible without unnecessary risk
14.6 Special precautions for user	See Section 7
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.

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

15.2 Chemical Safety Assessment

No further information

16. Other information

Full text of H-statements referred to under sections 2 and 3
H319 Causes serious eye irritation

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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REV 5

█ Indicates updated section.