



# Safety Data Sheet pH Plus/Alkali

## Revision

DATE SDS REVISED 11<sup>th</sup> May 2005  
Supercedes SDS dated 1<sup>st</sup> June 2000

SDS Ref: SOL1100  
Revision Number: 2

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**Substance or preparation trade name:** pH Plus/Alkali

**Other names:** Sodium carbonate/Soda Ash.

**Intended or recommended use of chemical:** To increase the pH of pool water.

**Company/undertaking name, address and normal telephone no.:**

Biolab U.K. Limited Tel: +44 (0)1242 820969  
Unit 4 Andoversford Industrial Estate  
Cheltenham, Glos. Fax: +44(0)1242 820180  
GL54 4LB

**Emergency telephone no.:** +44 (0)1242 820969

**FOR MEDICAL EMERGENCIES, FIRES, SPILLAGES OR CHEMICAL HAZARDS ONLY:  
TEL: 01865 407333**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	Wt %	EINECS NO.	CAS NO.	R phrases	Symbol	WEL
Sodium carbonate	100	011-005-00-2	497-19-8	36	Xi	WEL

### 3. HAZARDS IDENTIFICATION

**Irritant:** Causes eye, skin and respiratory irritation. Avoid contact with eyes, skin or clothing

#### 4. FIRST AID MEASURES

- Inhalation** Remove person to fresh air and seek medical attention
- Skin contact** Wash with cold water. If skin irritation persists, seek medical attention
- Eye contact** Flush eyes with cold flowing water for at least 20 minutes. Seek medical attention immediately
- Ingestion** Drink large quantities of water. **DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Seek medical attention if ill effects continue
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#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Water fog, dry powder, CO<sub>2</sub>

**Special exposure hazards in fire:** Carbon dioxide, Sodium oxide. Emits toxic fumes under fire conditions

**Required special protective equipment for fire fighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use appropriate personal protective equipment as detailed in section 8

**Methods for cleaning:** Contain the spillage. Sweep up the spill and place in clean, dry plastic containers including any contaminated soil. Dispose of product in accordance with relevant local and national waste disposal legislation.

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#### 7. HANDLING AND STORAGE

**Handling:** As per directions on containers and technical data sheets

**Storage:** Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product and all other chemicals out of reach of children

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## 8. EXPOSURE CONTROLS

Workplace Exposure control limits, and source:

Exposure Limits:	8 hr TWA		Authority
	ppm	mg/m <sup>3</sup>	
Inhalable dust	-	10	EH40
Respirable dust	-	4	

**General:** General room ventilation plus local exhaust should be used to maintain exposure below TLV. Remove and wash contaminated clothing before reuse

**Respiratory protection** Use respiratory protection for general dust inhalation protection

**Hand protection (type of gloves, etc)** Wear suitable chemical resistant gloves when handling this product

**Skin protection** Avoid contact with skin

**Eye protection** Wear goggles or safety glasses with side shields when handling this product

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Odour:** Odourless

**Appearance:** Powder

**Colour:** White

**Solubility in Water:** 471 gm/l water

**Melting point /melting point range:** 851 °C

**Relative density:** 1.05 gm/cm<sup>3</sup>

**pH:** (1% in solution) 11.3

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** High temperature. Poor ventilation. Contamination. Moisture/high humidity

**Materials to avoid:** DO NOT MIX WITH OTHER PRODUCTS OR CHEMICALS. Strong acids.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, Sodium oxide.

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## 11. TOXICOLOGICAL INFORMATION

### Route of entry:

**Inhalation:** May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

**Ingestion:** May be harmful if swallowed.

**Skin & eyes:** This product is an eye and skin irritant

**Toxicity:** This product is not listed as a carcinogen

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** LC50(fish) 100/1000 mg/l (96HR)

**Other adverse effects:** This product may be harmful to fish and aquatic organisms when pH rises above 10.0.  
Keep product from entering waterways and watersheds

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## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** **DO NOT** put product, spilled product or filled or partially filled containers into the waste. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to municipal, provincial and federal regulations.

**Empty Containers:** **DO NOT** re-use container. Rinse thoroughly before discarding.

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## 14. TRANSPORT INFORMATION

**Classification:** Not Regulated

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## 15. REGULATORY INFORMATION

**Product Name:** Sodium Carbonate

**Symbol:** Xi

**Indication(s) of danger:** Irritant

**Risk phrases:** R36 Irritating to eyes

**Safety phrases:** S1/2 Keep locked up and out of reach of children  
S22 Do not breathe in dust

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**EC No.:** 207-838-8

**Applicable EU provisions and associated UK legislation:** The Chemical (Hazards Information & Packaging) Regulations 2002.

**NOTE:** THIS DATA SHEETS DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION

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## 16. OTHER INFORMATION

**Risk phrases:** R36 Irritating to eyes

**Recommended uses and restrictions:** No further information

**Further information sources:**

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables

**Details of changes to last versions:** Section 2 revisited, Section 4 revisited, Section 8 revisited, Section 9 revisited, Section 11 revisited, Section 15 revisited, Section 16 revisited.

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