

SAFETY DATA SHEET



Product Name:	pH PLUS	SDS Reference 022
Version No. 2	Revision No.	Authorisation date 31 st November 2010

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name	pH PLUS
Synonym (s)	SODA ASH, PH INCREASER
Use(s)	Decreasing the acidity of swimming pools
Company Identification	PLASTICA LTD Perimeter House, Napier Road, Telephone +44 (0) 1424 857857 St Leonards-on-Sea, East Sussex, TN38 9NY
Emergency Telephone	09062 655005 (24hr) – (Charged at £1 per minute)
Email Address	info@plasticapools.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008



GHS07
Eye Irrit. 2 H319 Causes serious eye irritation

Label elements
Labelling according to Regulation (EC) No 1272/2008
Hazard pictogram



WARNING
H319 Causes serious eye irritation

PREVENTION
P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P260 Do not breathe dust
P281 Use personal protective equipment as required

RESPONSE
P305+351+338+313 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do. Continue rinsing; Get medical attention

STORAGE
P402 Store in a dry place

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Physical & Chemical:**IRRITANT****Health:** IRRITATING TO EYES**Environmental:**

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

Label elements**Labelling according to Regulation (EC) No 1272/2008****Hazard pictogram****WARNING**

H319 Causes serious eye irritation

PREVENTION

P101 If medical advice is needed, have product container or label at hand
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RESPONSE

P305+351+338+313 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do. Continue rinsing; Get medical attention

STORAGE

P402 Store in a dry place

Classification & labelling

The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1]. EC label: 207-838-8

**IRRITANT****Risk phrases**

R 36 IRRITATING TO EYES

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Safety phrases

S2	KEEP OUT OF REACH OF CHILDREN.
S22	DO NOT BREATHE DUST
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S46	IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation	GRANULAR SODIUM CARBONATE
CAS number	497-19-8
EC number	207-838-8
EC Index number	011-005-00-2

4. FIRST AID MEASURES

General information

Inhalation	Remove casualty to fresh air and provide warmth and rest. If necessary, seek medical advice.
Skin contact	Clean areas of skin affected immediately with plenty of water. If necessary, seek medical advice.
Eye contact	Immediately wash out eye thoroughly with plenty of water until irritation subsides for at least 15 minutes. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
Ingestion	Rinse mouth. Allow the patient to vomit on his own accord. Give plenty of water to drink.

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT WILL NOT BURN
Extinguishing media	To suit local surroundings (e.g. water spray, foam, dry chemical powder)
Extinguishing media not to be used	
Special exposure hazards	The thermal decomposition products released should be considered toxic if inhaled.
Protective equipment	Wear self-contained breathing apparatus.
Further information	

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up mechanically (e.g. sweep or vacuum up) into a suitable container; dispose of as prescribed. Rinse affected area with water.
Environmental considerations	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice. Keep the raising and deposition of dust to a minimum.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry away from acids and foodstuffs.
Further information	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): ppm 10 mg/m ³ (total inhalable dust, EH40/2005) LTEL (8 hour TWA): ppm 4 mg/m ³ (respirable dust, EH40/2005)
Engineering controls	Ensure adequate ventilation of working area
Personal protection	Observe normal standards for handling chemicals. Avoid breathing dust Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles or face shield (i.e. EN 166 approved)
Skin protection	PVC gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	When dusty conditions are encountered, wear a NIOSH/OSHA full face respirator or dust mask
Other protection	Protective overall.

**9. PHYSICAL & CHEMICAL PROPERTIES**

Physical form	Granules of crystalline powder		
Colour	White		
Odour	Odourless		
pH	11.4 (1% solution of water)		
Molecular formula	Na ₂ CO ₃		
Boiling pt / range	decomposes	°C	
Melting pt / range	851	°C	
Flash point		°C	
Autoflammability		°C	
Density	0.86 to 1.12		
Explosive limits	Lower:	% (v/v)	Higher: % (v/v)
Viscosity			

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9. PHYSICAL & CHEMICAL PROPERTIES

Water solubility Very soluble

Additional information The product is soluble in glycerol and insoluble in ethanol and acetone.

10. STABILITY & REACTIVITY

Stability Stable under normal conditions of handling. Reacts with acids to release large volumes of carbon dioxide and heat.

Thermal decomposition

Conditions to avoid

Material to avoid This product is incompatible with acids.

Hazardous reactions Reacts with acids to release carbon dioxide and heat

Hazardous decomposition products

Further information

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD₅₀ rat (oral) 4090 mg/kg

Dermal compatibility Non-irritant to intact skin

Mucous membrane compatibility No data available

Further information

12. ECOLOGICAL INFORMATION

Toxicity LC₅₀ Bluegill Sunfish 300-320 mg/l

Persistence & Degradability No data available

Further information

13. DISPOSAL CONSIDERATIONS

Water Treatment Methods In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

Other Disposal Recommendations Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

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14. TRANSPORT INFORMATION

United Nations number The product is not classified for transport.

Packaging group

IMDG code

RID / ADR

ICAO / IATA

Marine pollutant

Proper shipping name

Emergency action code

Further information

15. REGULATORY INFORMATION

A Chemical Safety Assessment has not been carried out.

This product is subject to the Control of Major Accident Hazards (Amendment) Regulations 2005.

16. OTHER INFORMATION

Further information

Sources of data The Approved Supply List and other suppliers' safety data sheets

Date of issue 31/11/2010

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.