



SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: **pH Increaser**
Datasheet Number: SP212 1. 0. 0
Product Part Number: SP212
Chemical Name: sodium carbonate
Index Number: 011-005-00-2
CAS No.: 497-19-8

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
Address of Supplier: Unit 1, Pool Bank Business Park
High Street, Tarvin
Chester CH3 8JH
UK
Telephone: +44 (0)1829 740290
Fax: +44 (0)1829 741855
Responsible Person: Steve Carder
Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Eye Irrit. 2, H319
- Classification (67/548/EEC, 1999/45/EC)
- Xi; R36
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



- Signal Word: Warning
- Symbols: GHS07

Hazard phrases

- Causes serious eye irritation.



2 Hazards identification (....)

Precautionary Phrases

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- None

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
sodium carbonate	99.5	497-19-8	207-838-8	H319, R36	GHS07, Xi	011-005-00-2

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- If medical advice is needed, have product container or label at hand.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Get medical advice/attention.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Treat symptomatically

4.2 Most important symptoms and effects, both acute and delayed

- Causes irritation

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media

- This product is not flammable
- In case of fire: use water for extinction

5.2 Special hazards arising from the substance or mixture

- See Section 10.6



5 Fire-fighting measures (....)

5.3 Advice for firefighters

- Use water to cool containers exposed to fire.
- Wear protective clothing as per section 8
- Wear Breathing Apparatus

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means
- Place in appropriate container

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Avoid raising dust
- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with acid

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store in a dry place.

7.3 Specific end use(s)

- No information available.

8 Exposure controls/personal protection

8.1 Control parameters

sodium carbonate

- No exposure limits have been set for this substance

8.2 Exposure controls

- No special requirements

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)



8 Exposure controls/personal protection (....)

- When handling this substance, e.g. sampling, wear goggles giving complete eye protection



Respirator



Goggles



Gloves



Suit

9 Physical and chemical properties

9 .1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Solid, white, crystals, powder
- pH 11.4
- Boiling point 1600 °C
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point 851-854 deg C with decomposition
- Water solubility 212 g/l
- Specific gravity 2.532 g/cm³
- Not flammable
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not applicable

9 .2 Other information

- Bulk density 500-600 kg/m³ at 20 deg C

10 Stability and reactivity

10 .1 Reactivity

- No information available

10 .2 Chemical stability

- No information available

10 .3 Possibility of hazardous reactions

- Incompatible with acid

10 .4 Conditions to avoid

- Avoid contact with water
- Avoid contact with acids and alkalis

10 .5 Incompatible materials

- Incompatible with acid
- Avoid contact with aluminium
- Avoid contact with zinc

10 .6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
- Forms hazardous decomposition products



11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral, rat) 2800 mg/kg

Inhalation

- May cause coughing
- Causes dry throat

Contact with skin

- May cause redness

Contact with eyes

- Causes redness and irritation

Ingestion

- Causes nausea/vomiting

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No information available

Mutagenicity

- No information available

12 Ecological information

12 .1 Toxicity

- No information available

12 .2 Persistence and degradability

- Biodegradable

12 .3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12 .4 Mobility in soil

- Large volumes may penetrate soil and contaminate groundwater

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12 .6 Other Adverse Effects

- No information available

13 Disposal considerations

13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This material and/or its container must be disposed of as hazardous waste



13 Disposal considerations (....)

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
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14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name
Not hazardous

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

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

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	Not hazardous	ADR UN No.:
ADR Hazard Class:		ADR Packing Group:
Tunnel Code:		

Sea (IMDG)

Proper Shipping Name:	Not hazardous	IMDG UN No.:
IMDG Hazard Class.:		IMDG Pack Group.:

Air (ICAO/IATA)

Proper Shipping Name:	Not hazardous	ICAO Un No.:
ICAO Hazard Class.:		ICAO Packing Group.:

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Refer to current CPL Regulations
 - Refer to current EC Directive 82/501/EEC (the Seveso Directive)
 - The List of Wastes (England) Regulations 2005 apply in the UK
 - Not hazardous according to current ADR Regulations

15.2 Chemical Safety Assessment



16 Other information

Text of R and S phrase codes used in this safety data sheet:- H319: Causes serious eye irritation.; R36: Irritating to eyes.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.