Revision: 18 December 2020

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: ACTI pH Plus
- Product Part Number: 022
- Chemical Name: Sodium carbonate
- Synonyms: Soda ash; sodium trioxocarbonate
- CAS Number: 497-19-8
- EC Number: 207-838-8
- REACH Registration Number: 01-2119485498-19-XXXX

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

- Use of the substance/mixture: Pool / spa treatment
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: SCP UNITED KINGDOM
- Address of Supplier: 1 Church Heath
  Crawley West Sussex
  RH11 0PQ

  UNITED KINGDOM
- Telephone: +44 1293 546126

1.4 Emergency telephone number

- Emergency Telephone: 0800 043 0891 (technical)
  0800 043 0892 (emergency)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Eye Irrit. 2, H319
- Additional information: For full text of Hazard and EU Hazard statements: see section 16

2.2 Label elements

- Signal Word: Warning
- Symbols: GHS07
- Hazard statements
  H319 - Causes serious eye irritation.
- Precautionary statements
  P102 - Keep out of reach of children.
  P264 - Wash contaminated skin thoroughly after handling.
  P280: Wear protective gloves/protective clothing/eye protection/face protection.
  P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 - If eye irritation persists: Get medical advice/attention.

SECTION 2: Hazards identification (....)

P501 - Dispose of contents/container to an authorised waste collection point

- Supplemental Hazard information (EU)
  None

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
Sodium carbonate	> 99.0 % w/w	497-19-8	207-838-8	Eye Irrit. 2, H319	-	01-2119485498-19-XXXX	No

3.2 Mixtures

- Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
  Wash affected area with plenty of soap and water
  Take off contaminated clothing and wash it before reuse.
  If skin irritation occurs: Get medical advice/attention.

- Contact with eyes
  If substance has got into eyes, immediately wash out with plenty of water for several minutes
  Irrigate eyes thoroughly whilst lifting eyelids
  Remove contact lenses, if present and easy to do. Continue rinsing.
  If eye irritation persists: Get medical advice/attention.

- Ingestion
  Rinse mouth with water (do not swallow)
  Give plenty of water to drink
  Do NOT induce vomiting.
  When in doubt or symptoms persist, seek medical attention

- Inhalation
  If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
  Causes severe irritation
  Causes redness and swelling

- Contact with skin
  May cause redness and irritation

- Ingestion
  The ingestion of significant quantities may cause gastro-intestinal disturbances
  The ingestion of significant quantities may cause nausea/vomiting

SECTION 4: First aid measures (....)

The ingestion of significant quantities may cause burning sensation
May cause stomach pain

- Inhalation
  May cause respiratory irritation

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Rescuers should take suitable precautions to avoid becoming casualties themselves
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid formation of dust; Do not breathe dust; Wear protective clothing as per section 8; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear self-contained breathing apparatus (SCBA); Wear suitable protective clothing, eye/face protection and gloves; Natural rubber are recommended

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

- Stop leak if safe to do so.
- Avoid formation of dust

- Small spills
  Wipe up spillage with damp absorbent cloth or towel

- Large spills
  Damp down to avoid dust generation
  Sweep or shovel-up spillage and remove to a safe place
  Place in sealable container
  Seal containers and label them
  Seek expert advice for removal and disposal of all contaminated materials and wastes
  Flush spill area with copious amounts of water

6.4 Reference to other sections

SECTION 6: Accidental release measures (....)

- See section(s): 7, 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only in well ventilated areas
- Avoid contact with eyes
- Prevent formation of dust
- Do not breathe dust
- Wear protective clothing as per section 8
- Contaminated clothing should be laundered before reuse
- Use good personal hygiene practices
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Ensure eyewash stations and safety showers are nearby

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep container tightly closed
- Protect from moisture
- Keep away from food, drink and animal feedingstuffs
- Keep away from: strong acids, phosphorous pentoxide, magnesium, fluorine, powdered metal (aluminium, zinc)

7.3 Specific end use(s)

- Pool / spa treatment

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

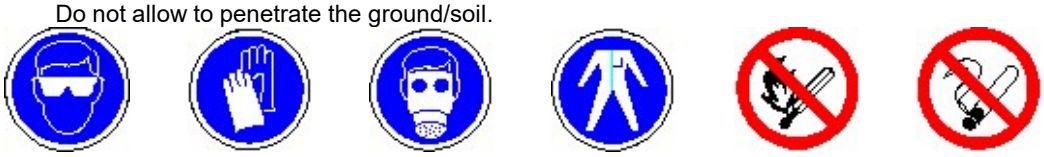
- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
  Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 4 mg/m³ (8hr TWA) total respirable dust
- DNEL (inhalational) 10 mg/m³ Industry, Long Term, Local Effects
- DNEL (inhalational) 10 mg/m³ Consumer, Long Term, Local Effects
- DNEL (inhalational) 10 mg/m³ Consumer, Acute/Short Term, Local Effects

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
  Ensure adequate ventilation
  Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
  Use local exhaust ventilation and/or enclosures.

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

- Respiratory protection
  In case of insufficient ventilation, wear suitable respiratory equipment
  Use type FFP2 (EN 143) dust masks
- Eye/face protection
  Wear goggles giving complete eye protection approved to standard EN 166.
- Skin protection
  Wear suitable protective clothing
  Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
  The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
  Suitable glove material: Rubber (natural, latex). Chloroprene rubber. Butyl rubber. Polyvinyl chloride (PVC).
  Thickness: 0.5 mm
  Nitrile rubber.
  Thickness: 0.35 mm
  Breakthrough time: > 480 minutes
- Hygiene measures
  Do not eat, drink or smoke when using this product.
  Use good personal hygiene practices
  Wash thoroughly after handling.
  Contaminated clothing should be laundered before reuse
  Ensure eyewash stations and safety showers are nearby
- Environmental exposure controls
  Do not empty into drains
  Do not allow to penetrate the ground/soil.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Dusty white powder
- Odour: None
- Odour threshold: Not applicable
- pH: > 11
- Melting point/freezing point: 851 °C
- Initial boiling point and boiling range: No information available
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): The product is not flammable.
  Test method(s): EU A.10
- Upper/lower flammability or explosive limits: Not applicable
- Vapour Pressure: Not applicable - High melting point inorganic solid
- Vapour Density: No information available
- Relative Density: 2.52 @ 20 °C
  Test method(s): EU A.3
- Solubility(ies): 212.5 - 215 g/L @ 20 °C and pH 11
  Test method(s): OECD 105
- Partition Coefficient (n-Octanol/Water): Not applicable. Substance is inorganic

SECTION 9: Physical and chemical properties (....)

- Autoignition Temperature The product is not flammable
- Decomposition temperature: No information available
- Viscosity: Not applicable
- Explosive Properties: Non-explosive
- Oxidising Properties: Not oxidising

9.2 Other information

- Molecular weight: 105.98

SECTION 10: Stability and reactivity

10.1 Reactivity

- Contact with acid liberates carbon dioxide (CO_2)

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Contact with acid liberates carbon dioxide (CO_2)
- Reactions with the following materials may cause explosions: magnesium, phosphorous pentoxide
- Reactions with the following materials may generate heat: fluorine

10.4 Conditions to avoid

- Avoid contact with moisture

10.5 Incompatible materials

- Incompatible with strong acids, phosphorous pentoxide, magnesium, fluorine, powdered metal (aluminium, zinc)

10.6 Hazardous decomposition products

- Decomposition products may include carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
  Based on available data, the classification criteria are not met
  LD_{50} (oral, rat): 2 800 mg/kg
  LC_{50} (inhalation, rat): 2 300 mg/m³ (4 h)
  LD_{50} (dermal, rabbit): 2 000 mg/kg
- Skin corrosion/irritation
  Based on available data, the classification criteria are not met
- Serious eye damage/irritation
  Causes serious eye irritation.
  Test method(s): OECD 404
- Respiratory or skin sensitisation
  Based on available data, the classification criteria are not met
- Germ cell mutagenicity
  No evidence of mutagenic effects
- Carcinogenicity
  No evidence of carcinogenic effects

SECTION 11: Toxicological information (....)

- Reproductive toxicity
  No evidence of reproductive effects
  Teratogenicity: NOAEL: > 245 mg/kg/day, Oral, Rat
- Specific target organ toxicity (STOT) - single exposure
  Based on available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure
  Based on available data, the classification criteria are not met
- Aspiration hazard
  Based on available data, the classification criteria are not met
- Contact with eyes
  Causes severe irritation
  Causes redness and swelling
- Contact with skin
  May cause redness and irritation
- Ingestion
  The ingestion of significant quantities may cause gastro-intestinal disturbances
  The ingestion of significant quantities may cause nausea/vomiting
  The ingestion of significant quantities may cause burning sensation
  May cause stomach pain
- Inhalation
  May cause respiratory irritation

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met
- LC_{50} (fish) 300 mg/L (4 days)
- EC_{50} (aquatic invertebrates) 200 - 227 mg/L (48 h)

12.2 Persistence and degradability

- Not applicable; inorganic

12.3 Bioaccumulative potential

- Not applicable; inorganic

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Can be diluted with water or neutralised with hydrochloric acid before disposal
- 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
- Do not reuse empty containers without commercial cleaning or reconditioning

SECTION 13: Disposal considerations (....)

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): HP 4 Irritant

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified

14.8 Road/Rail (ADR/RID)

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

14.9 Sea (IMDG)

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

14.10 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830

SECTION 15: Regulatory information (....)

- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out

SECTION 16: Other information

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.

Sources of data: Information from published literature and supplier safety data sheets

Revision No. 2.0.0. Revised December 2020.
Changes made: Updated to conform to latest version of REACH

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H319: Causes serious eye irritation.

Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- LC_{50}: Lethal Concentration, 50%
- GHS: Globally Harmonised System
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---