
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: pH Minus
- Product Part Number: 021
- Chemical Name: Sodium hydrogensulphate
- Synonyms: Sodium bisulphate; dry acid
- CAS No.: 7681-38-1
- EC No.: 231-665-7
- Index No.: 016-046-00-X
- REACH Registration Number: 01-2119552465-36-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: Plastica Ltd
- Address of Supplier: Perimeter House
Napier Road
St Leonards-on-Sea
East Sussex
United Kingdom
TN38 9NY
- Telephone: +44 (0) 1424 857857
- Email: info@plasticapools.net

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 Dam. 1, H318
- Additional information: For full text of Hazard and EU Hazard statements: see section 16

2.2 Label elements



- Signal Word: Danger
- Hazard statements
H318 - Causes serious eye damage.
- Precautionary statements
P102 - Keep out of reach of children.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P501 - Dispose of contents/container to an authorised waste collection point

SECTION 2: Hazards identification (....)

- 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 hydrogensulphate | > 93 % | 7681-38-1 | 231-665-7 | Eye Dam. 1, H318 | - | 01-2119552465-36-XXXX | No |

3.2 Mixtures

- Not applicable
-

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
Contaminated clothing should be laundered before reuse
Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical advice/attention.
- Ingestion
Rinse mouth with water (do not swallow)
Give plenty of water to drink
Do NOT induce vomiting.
Get medical advice/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 redness and swelling
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
 - Contact with skin
Causes redness and irritation
May cause blistering of the skin
 - Ingestion
May disturb the mucous membranes
-

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

Remove contaminated material to safe location for subsequent disposal
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

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only in well ventilated areas
- Avoid contact with metals
- Avoid contact with skin and eyes
- Prevent formation of dust
- Do not breathe dust
- Wear protective clothing as per section 8
- Do not eat, drink or smoke when using this product.
- Contaminated clothing should be laundered before reuse
- Contaminated work clothing should not be allowed out of the workplace.
- Use good personal hygiene practices
- 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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from food, drink and animal feedingstuffs
- Incompatible with metals

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
- PNEC aqua (freshwater) 11.09 mg/L
- PNEC aqua (intermittent releases, freshwater) 17.66 mg/L
- PNEC aqua (marine water) 1.109 mg/L
- PNEC (STP) 800 mg/L
- PNEC sediment (freshwater) 40.2 mg/kg
- PNEC sediment (marine water) 4.02 mg/kg
- PNEC terrestrial (soil) 1.54 mg/kg

Revision: 18 December 2020

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

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 to prevent the need for ventilation
 - Use local exhaust ventilation and/or enclosures.
- Respiratory protection
 - In case of insufficient ventilation, wear suitable respiratory equipment
 - Where a reusable half mask respirator is required, use EN 140 mask and EN 143 particle filter, or EN 1827
 - Where a full face mask respirator is required, use EN 136, with particle filter EN 143
 - Respiratory protection: Particle filter P2
- 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
 - Viton rubber (fluoro rubber).
 - Thickness: ≥ 0.4 mm
 - Breakthrough time: > 480 minutes.
- Hygiene measures
 - Do not eat, drink or smoke when using this product.
 - Use good personal hygiene practices
 - Contaminated work clothing should not be allowed out of the workplace.
 - Contaminated clothing should be laundered before reuse
 - Wash thoroughly after handling.
 - Ensure eyewash stations and safety showers are nearby
- Environmental exposure controls
 - Do not allow to enter public sewers and watercourses
 - Do not allow to penetrate the ground/soil.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: White solid
- Odour: None
- Odour threshold: No information available
- pH: No information available

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

- Melting point/freezing point: 315 °C @ 101.3 kPa
- Initial boiling point and boiling range: No information available
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): Not flammable
- Upper/lower flammability or explosive limits: Not applicable
- Vapour Pressure: Not applicable
- Vapour Density: Not applicable
- Relative Density: Not determined
- Solubility(ies): Solubility in water: 285 g/L @ 25 °C
- Partition Coefficient (n-Octanol/Water): Not applicable. Substance is inorganic.
- Auto-ignition temperature: No information available
- Decomposition temperature: 460°C
- Viscosity: No information available
- Explosive Properties: Not applicable
- Oxidising Properties: Not oxidising

9.2 Other information

- Molecular weight: 120.06

SECTION 10: Stability and reactivity**10.1 Reactivity**

- Contact with metals liberates flammable gas

10.2 Chemical stability

- Hygroscopic

10.3 Possibility of hazardous reactions

- Reacts with metals liberating hydrogen
- Reactions with the following materials may cause explosions: calcium hypochlorite, starch, sodium carbonate.
- The following materials may react violently with the product: acetic anhydride.

10.4 Conditions to avoid

- Avoid formation of dust
- Keep away from heat and moisture

10.5 Incompatible materials

- Incompatible with metals
- Incompatible with alkalis (strong bases)
- Incompatible with strong oxidizing substances
- Incompatible with calcium hypochlorite, starch, sodium carbonate, acetic anhydride.

10.6 Hazardous decomposition products

- Decomposition products may include sulphur oxides

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Acute Toxicity
Based on available data, the classification criteria are not met
LD₅₀ (oral, rat) 2 140 mg/kg bw
Read-across data. Sulphuric acid (H₂SO₄)

SECTION 16: Other information (....)

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

- H318: Causes serious eye damage

Acronyms

- ATE: Acute Toxicity Estimate
 - CAS: Chemical Abstracts Service
 - DNEL: Derived No-Effect Level
 - EC: European Community
 - EC₅₀: Effective Concentration, 50%
 - GHS: Globally Harmonised System
 - LC₅₀: Lethal Concentration, 50%
 - LD₅₀: Lethal Dose, 50%
 - NOAEL: No observed adverse effect level
 - NOEC: No observed effect concentration
 - 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 ---
-