

Material Safety Data Sheet
According to 91/155 EEC

1. Identification of the substance/preparation and of the company/undertaking

- **Trade Name:** pH-Minus
- **Other names** Sodium Hydrogen Sulphate, Sodium Bisulphate, Dry Acid
- **Manufacturer/Supplier** Complete Pool Controls Ltd
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GL52 7RS

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2. Hazard Identification

• Hazardous Description



Xi Irritant

• Hazard information concerning particular hazards for human and the environment

The product has to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

R41 Risk of serious damage to eyes.

• GHS label elements



Danger

H318: Causes serious eye damage

• Prevention

P264: Wash thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

• Response

P102: Keep out of reach of children

P262: Do not get in eyes, on skin, or on clothing

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

• Storage

P402: Store in a dry place

• Disposal

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Trade Name: pH Minus

3. Composition/information on ingredients

- **Chemical characterization:**

- **CAS No. Description**

7681-38-1 sodium hydrogensulphate

- **EINECS**

231-665-7

- **EU Number:**

016-046-00-X

4. First Aid measures

- **After inhalation:**

If inhaled, remove individual to fresh air. If breathing is difficult, have a trained person administer oxygen. Seek medical attention immediately.

- **After skin contact:**

If contact with skin occurs, wash off with plenty of water for at least 15 minutes. If skin irritation persists, seek immediate medical attention. Remove contaminated clothing.

- **After eye contact:**

Immediately flush contaminated eye(s) with cool, gently flowing water for at least 20 minutes. Seek immediate medical attention

- **After Ingestion:**

If swallowed, drink large amounts of water. DO NOT INDUCE VOMITING. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Seek medical attention immediately.

5. Fire fighting measures

- **Special extinguishing media:**

Dry powder. CO2

- **Special exposure hazards in fire:**

Decomposes to produce toxic oxides of sulphur

- **Special protective equipment:**

Self contained breathing apparatus (SCBA)

6. Accidental release Measures

- **Personal Protection**

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 container including any contaminated material. Dispose of in accordance with relevant waste disposal legislation.

7. Handling and storage

- **Personal Protection**

Avoid contact with eyes

- **Storage**

Keep this product in original, sealed container when not in use. Store in a dry, well-ventilated area. Keep this product out of reach of children.

Trade Name: pH Minus

8. Exposure control/personal protection

• Exposure control limits and source:

	8hr TWA		15min STEL		Authority
	ppm	mg/m3	ppm	mg/m3	
Chlorine					
Not listed but general dust levels apply		10			EH40

- **Hand Protection** Wear suitable chemical resistant gloves when handling this product. Disposable
- **Eye Protection** Wear appropriate safety goggles
- **Skin Protection** Wear suitable chemical resistant clothing to protect exposed skin

9. Physical and chemical properties

- **Appearance at 20oC** Solid, white powder
- **Odour** Odourless
- **Melting Point** Above 180 °C with decomposition
- **pH (conc)** 1.2 - 1.3 @ 1.2% w/w solution
- **Relative Density** 1.4/1.5g /cm³
- **Flash Point**
- **Solubility in water** 1080g/l @ 250C

10. Stability and reactivity

- **Conditions to avoid** This product is stable under normal conditions
- **Materials to avoid** Metals and other swimming pool/spa chemicals in their concentrated forms. Bases and strong oxidising agents.
- **Hazardous decomposition products** Toxic oxides of sulphur and hydrogen (metal contact)

11. Toxicological Information

- **Inhalation** May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract
- **Ingestion** May be harmful if swallowed.
- **Skin** This product is highly irritating to skin.
- **Eyes** This product is highly irritating to eyes
- **Toxicity** Oral LD50 2490mg/kg (rat).

12. Ecological Information

- **Aquatic toxicity** EC50 (Daphnia Magna) 190 mg/(48HR) Properties similar to sulphuric acid.

13. Disposal Considerations

• **Substance**

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 products regulated according to local and national regulations.

• **Container** **DO NOT** re-use container. Rinse thoroughly before discarding. Thoroughly dilute washings.

14. Transport Information

• **Classification** Not regulated

15. Regulatory information

• Product Name	pH Minus/Dry Acid
• Symbol	Xi
• Indications of danger	Irritant
• Risk phrases	R41 Risk of serious danger to eyes
• Safety phrases	S1/2 Keep locked up and out of reach of children
	S24 Avoid contact with eyes, rinse immediately
	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

16. Other information

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• **Abbreviations and acronyms:**

ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the 'International Civil Aviation Organization' (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances.
CAS: Chemicals Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/10/2010	Linda Brueford	Classification changed to C (Corrosive). GHS label elements added and other minor editorial amendments