

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

- **Trade Name:** pH-Minus
- **Other names** Sodium Hydrogen Sulphate, Sodium Bisulphate, Dry Acid
- **Intended use of chemical** Water balance
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.  
Tel: +44 (0) 8712 229081      Fax: +44 (0) 8712 229083

**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.

**3. Composition/information on ingredients**

- **Chemical characterization:**

• <b>CAS No. Description</b>	<b>EINECS</b>	<b>EU Number:</b>
7681-38-1 sodium hydrogensulphate	231-665-7	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. CO<sub>2</sub>
- **Special exposure hazards in fire:** Decomposes to produce toxic oxides of sulphur
- **Special protective equipment:** Self contained breathing apparatus (SCBA)

**Trade Name:** pH Minus

## 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.

## 8. Exposure control/personal protection

- **Exposure control limits and source:**

	8hr TWA ppm	15min STEL mg/m3	Authority
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

• <b>Appearance at 20°C</b>	Solid, white powder
• <b>Odour</b>	Odourless
• <b>Melting Point</b>	Above 180 °C with decomposition
• <b>pH (conc)</b>	1.2 - 1.3 @ 1.2% w/w solution
• <b>Relative Density</b>	1.4/1.5g g/cm3
• <b>Flash Point</b>	
• <b>Solubility in water</b>	1080g/l @ 25°C

## 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)

**Trade Name: pH Minus****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**

• <b>Product Name</b>	pH Minus/Dry Acid
• <b>Symbol</b>	Xi
• <b>Indications of danger</b>	Irritant
• <b>Risk phrases</b>	R41 Risk of serious danger to eyes
• <b>Safety phrases</b>	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 based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.