



SAFETY DATA SHEET

PH DECREASE

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Issued:23/05/06

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: PH DECREASE

CAS number: 7681-38-1

EINECS number: 231-665-7

Product code: C1040

Synonyms: SODIUM ACID SULPHATE
SODIUM HYDROGEN SULPHATE

Use / description of product: Irritant. Granular acid to lower the pH of pool and spa water.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM BISULPHATE >90%
EINECS: 231-665-7 CAS: 7681-38-1
[Xi] R41

3. HAZARDS IDENTIFICATION

Main hazards: Risk of serious damage to eyes.
Other hazards: Hygroscopic: readily absorbs water from air.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur. Severe burns may occur.

Eye contact: There may be irritation and pain. The eyes may water profusely. Corneal burns may occur.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

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Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol resistant foam.

Exposure hazards: In combustion emits toxic fumes of sulphur oxides.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not create dust.

Environmental precautions: Contain the spillage using bunding.

Clean-up procedures: Transfer to a suitable container. Wash down the drain with large amounts of water. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. PVC apron covering the tops of the boots. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Solid

Colour: White

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Ethanol.

pH: 3 (1.2 solution)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. High temperatures Moisture

Materials to avoid: Chlorates. Strong alkalis. Oxidising agents. Calcium or Sodium Hypochlorite.

Haz. decomp. products: In combustion emits toxic fumes of sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity: Exposure by inhalation, ingestion, skin and eye contact must be avoided.

Routes of exposure: Irritation of the eyes and mucous membranes. Not classified as Toxic or Harmful.

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Bioaccumulative potential: No evidence of bioaccumulation.

Other adverse effects: Contains no substance classified as Dangerous for the Environment in the Chemicals (Hazard Information and Packaging) Regulations 2002, or subsequent amendments.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Do not mix with Hypochlorite or oxidising agents. Wash spillage site with plenty of water.
Dispose of in accordance with local and national regulations.

Disposal of packaging: All residues must be removed from packaging prior to disposal as controlled waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -

Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



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Risk phrases: R41: Risk of serious damage to eyes.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: Refer to the Manual Handling Operations Regulations 1992.

Store in accordance with HSE Guidance Note CS17.

Read in conjunction with the Technical Data sheet concerning use of the product.

Risk phrases used in s.2: R41: Risk of serious damage to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.