

SAFETY DATA SHEET

PH MINUS

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Issued: 06/03/2008

Revision No: 2

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

Product name: PH MINUS

CAS number: 7681-38-1

EINECS number: 231-665-7

Index number: 016-046-00-X

Synonyms: SODIUM BI SULPHATE DRY ACID

Use of substance / preparation: Swimming pool and spa pH reducer.

Company name: Howlett Associates Water Treatment Ltd

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2. HAZARDS IDENTIFICATION

Main hazards: Risk of serious damage to eyes.

Workplace exposure limit: This substance has a workplace exposure limit: (UK: WEL 8 hr exposure 5mg/m³).

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: Sodium Hydrogen Sulphate.

4. FIRST AID MEASURES

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

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

Ingestion: If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards: In combustion emits toxic fumes.

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: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area.

Storage conditions: Store in cool, well ventilated area. Avoid contact with water or humidity.

Suitable packaging: Polyethylene.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits: PH MINUS
UK - 8 hour TWA: 5mg/m³

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

Respiratory protection: No specific recommendations, but respiratory protection may be required under exceptional circumstances. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Powder

Colour: White

Odour: Perceptible odour

Viscosity: Non-viscous

Melting point/range°C: 884

Relative density: 2.7

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Temperature below 8 degrees C

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

11. TOXICOLOGICAL INFORMATION

Acute effects: Risk of serious damage to eyes.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
There may be shortness of breath with a burning sensation in the throat.

12. ECOLOGICAL INFORMATION

Ecotoxicity value(s): bluegill s LC50 96hr 1350 mg/l

Mobility: Soluble in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Containers must be disposed of in a safe way.

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

14. TRANSPORT INFORMATION**ADR / RID****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

Hazard symbols: Irritant.

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

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

S39: Wear eye / face protection.

S24/25: Avoid contact with skin and eyes.

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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: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

* indicates text in the SDS which has changed since the last revision.

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.