

Safety Data Sheet

Sunspot pH Minus/Dry Acid

RevisionDATE SDS REVISED 26th April 2005

Supercedes SDS dated March 2003

SDS Ref: SOL1000

Revision Number: 3rd Edition**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING****Substance or preparation trade name:** Sunspot pH minus/Dry Acid**Other names:** Sodium Bisulphate, Sodium Hydrogen Sulphate**Intended or recommended use of chemical:** To reduce pH of pool water**Company/undertaking name, address and normal telephone no.:**

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**FOR MEDICAL EMERGENCIES, FIRES, SPILLAGES OR CHEMICAL
HAZARDS ONLY:
TEL: 01865 407333**

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	% OR RANGE	EINECS NO.	CAS NO.	R phrases	Symbol	WEL
Sodium Hydrogen Sulphate	>92 %	016-046-00-X	7681-38-1	41	Xi	-

3. HAZARDS IDENTIFICATION**Irritant:** Risk of serious damage to eyes

4. FIRST AID MEASURES

- Inhalation** If inhaled, remove individual to fresh air. If breathing is difficult, have a trained person administer oxygen. Seek medical attention immediately.
- Skin contact** If contact with skin occurs, wash off with plenty of cool water for at least 15 minutes. If skin irritation persists, seek immediate medical attention. Remove contaminated clothing.
- Eye contact** If contact with eyes occurs, immediately flush contaminated eye(s) with cool, gently flowing water for at least 20 minutes. Seek immediate medical attention.
- 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.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry powder, CO₂

Unsuitable extinguishing media: DO NOT USE WATER DIRECTLY ON MATERIAL. (Water spray should only be used to cool packages in danger area. If possible remove packages from the danger.)

Special exposure hazards in fire: Decomposes to produce toxic oxides of sulphur

Required special protective equipment for fire fighters: Self contained breathing apparatus (SCBA)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use appropriate personal protective equipment as detailed in section 8

Environmental precautions: Do not rinse with water; do not allow to enter sewers or surface water drains.

Methods for cleaning: Contain the spillage. Sweep up the spill and place in clean, dry plastic containers including any contaminated soil. May be neutralised with sodium carbonate. Dispose of product in accordance with relevant local and national waste disposal legislation.

7. HANDLING AND STORAGE

Handling: **DO NOT** mix with other chemicals. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment. Avoid dust formation.

Storage: Keep this product in original, sealed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product and all other chemicals out of reach of children. Avoid contact with metals.

8. EXPOSURE CONTROLS

Exposure control limits, and source:

Exposure Limits:	8hr TWA		15min STEL		Authority
	ppm	mg/m ³	ppm	mg/m ³	
Not listed but general dust levels apply.	-	10	--	--	EH40

General: General room ventilation plus local exhaust should be used to minimise exposure.
Remove and wash contaminated clothing before reuse.

Respiratory protection	Use suitable dust mask to prevent exposure to airborne dusts.
Hand protection (type of gloves, etc)	Wear rubber gloves when handling this product.
Skin protection	Wear suitable chemical resistant clothing to protect exposed skin.
Eye protection	Wear goggles or safety glasses with side shields when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid, white powder
Odour:	Odourless
Melting point:	Above 180 °C with decomposition.
Appearance:	Powder/Crystals
Colour:	White/Light yellow
Solubility in Water:	1080g/l @ 25 °C
Relative density:	1.4/1.5 g/cm ³
pH:	1.2 – 1.3 @ 1.2% w/w solution.

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal conditions.

Conditions to avoid: High temperature. Poor ventilation. Contamination, Moisture and humidity

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

Route of entry:

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Skin & eyes: This product is highly irritating to eyes and irritating to skin.

Toxicity: Oral LD50 2490mg/kg (rat).

Carcinogenicity: This product is not listed as a carcinogen.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal Methods: **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 product is regulated according to local and national regulations.

Empty Containers: **DO NOT** re-use container. Rinse thoroughly before discarding. Thoroughly dilute washings.

14. TRANSPORT INFORMATION

Special carriage precautions in carriage (on-site or externally): Keep dry.

Classification: Not regulated

15. REGULATORY INFORMATION

Product Name: Sodium Hydrogen Sulphate

Symbol: Xi

Indication(s) of danger: Irritant

Risk phrases: R41 Risk of serious damage to eyes

Safety phrases: S1/2 Keep locked up and out of reach of children
S24 Avoid contact with the skin
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

EC No. (if applicable): 231-665-7

NOTE: THIS DATA SHEETS DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION

16. OTHER INFORMATION

Risk phrases: R41 Risk of serious damage to eyes

Recommended uses and restrictions: No further information.

Further information sources: No further information.

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables.

Details of changes to last versions: Section 2 revisited; section 4 revisited; section 5 revisited; section 8 revisited; section 15 revisited; section 16 revisited.
