

## SAFETY DATA SHEET SODIUM BISULPHATE

### 1. IDENTIFICATION

Trade name: Sodium Bisulphate  
Generic name: Sodium Hydrogen Sulphate, Dry Acid, pH Minus, Sodium Acid Sulphate  
Product type/area of use: Swimming Pools

### 2. INFORMATION ON COMPOSITION

Substances which give the product

<u>Its Health-risk properties</u>	<u>CAS-no</u>	<u>Contents %</u>
Sodium Hydrogen Sulphate	7681-38-1	

### 3. HAZARDS IDENTIFICATIONS

Inhalation: Highly irritating  
Liquid: N/A  
Eye contact: Highly irritating, risk of serious damage  
Skin contact: Highly irritating  
Ingestion: Highly irritating

### 4. FIRST-AID MEASURES

Inhalation: Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention  
Eye contact: Irrigate thoroughly with water for at least 10mins. Obtain immediate medical attention.  
Skin contact: Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if the irritation persists seek medical attention.  
Ingestion: Do not induce vomiting. Wash out mouth with water. If patient is conscious, give water to drink. Obtain medical advice if necessary

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishers: Use extinguishers suitable to cause of fire.  
Hazardous Combustion Products: Oxides of Sulphur.  
Special Equipment for Fire Fighting: Self contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Safety Precautions: Wear appropriate PPE – See section 8  
Environmental Precautions: Avoid raising dust  
Clean up procedure: Take up dry if possible and hold for re-use or waste disposal. Residues should be dissolved carefully in plenty of water and neutralised with soda ash or bicarbonate before flushing away

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## 7. HANDLING AND STORAGE

Handling: Store in a well ventilated area  
Do not breathe dust. Avoid contact with skin, eyes and mucous membranes. Eye wash facilities are required where this material is used.

Storage: Store in a cool and dry area. Do not store where compound is near moisture. Store in tightly closed original containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards:

-UK EH40 : OES      10mg/m<sup>3</sup> (Total dust) (8hr TWA)  
                                 5mg/m<sup>3</sup> (Respirable dust) (8hr TWA)

Personal protection: For continuous and regular handling wear overalls, suitable gloves and eye/face protection. In the case of insufficient ventilation, wear suitable respiratory protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Powder	
Melting point range:	ca. 180°C	Density (g/ml) 1.4 – 1.5
Flashpoint TCC:	N/A	Vapor pressure (mm Hg)
Pour point:	N/A	Vapor density (air=1)
Auto-ignition temp	N/A	Soluble in organic solvent:
Expl.omr.		Solubility in water: 28g/100ml H <sub>2</sub> O @ 25°C
PH	1.3	pH 1.2% solution in 6.2 distilled water
Rel.evaporation rate:		

## 10. STABILITY AND REACTIVITY

Hazardous Decomposition Product: Aqueous solutions attack many metals with liberation of flammable hydrogen gas.

Conditions to avoid: Moisture.

## 11. TOXICOLOGICAL INFORMATION

Dust is very irritating to respiratory system and the skin, especially when wet. Contact with eyes may result in serious damage. Effects of solutions are similar to sulphuric acid.

## 12. ECOLOGICAL INFORMATION

Environmental Effects: Properties similar to those of Sulphuric Acid.

Aqua Toxicity: LC<sub>50</sub> (Daphnia Magna) (48 hour) 190mg/l

## 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local state and national legislation.

## 14. TRANSPORT INFORMATION

UN Number:	3260	Class/Item No.:	8, 16c
Primary Hazard:	Corrosive		
Packing Group:	III		
H.I. Number:	80		

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#### **15. REGULATORY INFORMATION**

Supply label details: Ref. CHIP 2

Label Name: Sodium Hydrogen Sulphate

Symbols: Corrosive

Risk Phrases: 34 – 37 Causes burns. Irritating to respiratory system

Safety Phrases: 26 – 36/37/39 – 45 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.

E.E.C. No: 231-665-7

#### **16. OTHER INFORMATION**

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy themselves that the product is entirely suitable for their purpose.