



# Material Safety Data Sheet (MSDS)

## Sodium Bisulphate (NaHSO<sub>4</sub>)

### 1. Identification of the Substance and Supplier

- **Product Name:** Sodium Bisulphate
- **Chemical Formula:** NaHSO<sub>4</sub>
- **CAS Number:** 7681-38-1
- **Recommended Use:** pH reducer, cleaning agent, industrial processing chemical

**Supplier:**  
ATDM

### 2. Hazard Identification

- **Classification:** Corrosive / Irritant
- **Hazard Statements:**
  - Causes skin and eye irritation
  - May cause respiratory irritation
  - Harmful if swallowed in large quantities
- **Precautionary Statements:**
  - Avoid inhalation of dust
  - Wear protective gloves and eye protection
  - Wash thoroughly after handling



### 3. Composition / Information on Ingredients

Component	Concentration
Sodium Bisulphate (NaHSO <sub>4</sub> )	≥ 99%

### 4. First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if irritation persists.
- **Skin Contact:** Wash immediately with plenty of water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical help immediately.

### 5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam
- **Specific Hazards:** May release sulfur oxides when heated
- **Protective Equipment:** Self-contained breathing apparatus and full protective gear

### 6. Accidental Release Measures

- Avoid dust formation
- Wear appropriate PPE
- Sweep up material and place in suitable container
- Prevent entry into waterways

### 7. Handling and Storage

- **Handling:**
  - Use in well-ventilated areas
  - Avoid contact with skin and eyes
- **Storage:**
  - Store in a cool, dry place
  - Keep container tightly closed
  - Keep away from moisture and incompatible substances
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## 8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not specifically established

### Personal Protective Equipment (PPE):

- Safety goggles
- Chemical-resistant gloves
- Protective clothing
- Dust mask or respirator if airborne

## 9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **pH:** Acidic (approx. 1–2 in solution)
- **Melting Point:** ~315°C
- **Solubility:** Highly soluble in water

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Moisture, excessive heat
- **Incompatible Materials:** Strong bases, oxidizing agents
- **Decomposition Products:** Sulfur oxides

## 11. Toxicological Information

- **Acute Toxicity:** Low to moderate
- **Skin/Eye Effects:** Irritating
- **Chronic Effects:** Prolonged exposure may cause irritation



## 12. Ecological Information

- May lower pH of water, affecting aquatic life
- Avoid environmental release

## 13. Disposal Considerations

- Dispose in accordance with local regulations
- Neutralize before disposal if required

## 14. Transport Information

- **UN Number:** Not regulated for transport (in most forms)
- **Hazard Class:** Not classified as dangerous goods under standard transport regulations
- **Packing Group:** Not applicable

## 15. Regulatory Information

- Complies with general chemical safety regulations
- Follow local, national, and international guidelines

## 16. Other Information

- This MSDS is intended for safety guidance only
- Information is based on current knowledge and typical industrial handling practices