



MATERIAL SAFETY DATA SHEET (MSDS)

1. Identification of the Substance and Supplier

Product Name: Sodium Bisulphate

Chemical Name: Sodium Hydrogen Sulphate

Chemical Formula: NaHSO₄

Recommended Use: pH reducer, cleaning agent, water treatment, industrial applications

Supplier: ATDM

Emergency Contact: [[Tel: +971 4 236 98 30](tel:+97142369830)]

2. Hazard Identification

Classification:

- Eye irritation (Category 2)
- Skin irritation (Category 2)
- Corrosive to metals

Hazard Statements:

- Causes serious eye irritation
- Causes skin irritation
- May be corrosive to metals

Precautionary Statements:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection
- Wash hands thoroughly after handling



3. Composition / Information on Ingredients

Component	CAS Number	Concentration
Sodium Bisulphate	7681-38-1	≥ 95%

4. First Aid Measures

Inhalation:

Move to fresh air. Seek medical attention if irritation persists.

Skin Contact:

Wash with plenty of water and soap. Remove contaminated clothing.

Eye Contact:

Rinse cautiously with water for at least 15 minutes. Seek medical attention.

Ingestion:

Do not induce vomiting. Rinse mouth and seek medical advice immediately.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Water spray, foam, dry chemical, or CO₂

Specific Hazards:

Thermal decomposition may produce toxic fumes such as sulfur oxides

Protective Equipment:

Wear self-contained breathing apparatus (SCBA)

6. Accidental Release Measures

- Avoid dust formation
- Use appropriate protective equipment
- Sweep up and collect in suitable containers
- Prevent entry into drains or waterways

7. Handling and Storage

**Handling:**

- Avoid inhalation of dust
- Ensure adequate ventilation
- Use appropriate PPE

Storage:

- Store in a cool, dry, well-ventilated area
- Keep container tightly closed
- Keep away from incompatible materials (bases, oxidizers)

8. Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls:

- Local exhaust ventilation recommended

Personal Protective Equipment (PPE):

- Safety goggles
- Chemical-resistant gloves
- Protective clothing
- Dust mask if airborne particles are present

9. Physical and Chemical Properties

- Appearance: White crystalline solid
- Odor: Odorless
- pH: Acidic (approx. 1 in solution)
- Melting Point: ~315°C (decomposes)
- Solubility: Soluble in water



10. Stability and Reactivity

Stability: Stable under normal conditions

Conditions to Avoid:

- Moisture
- Excessive heat

Incompatible Materials:

- Strong bases
- Oxidizing agents

Hazardous Decomposition Products:

- Sulfur oxides

11. Toxicological Information

- May cause irritation to skin, eyes, and respiratory tract
- Prolonged exposure may lead to dermatitis

12. Ecological Information

- Harmful to aquatic life in large quantities
- Avoid release into the environment

13. Disposal Considerations

- Dispose in accordance with local regulations
- Do not discharge into drains or waterways



14. Transport Information

UN Number: 3260

Proper Shipping Name: Corrosive solid, acidic, inorganic, n.o.s.

Hazard Class: 8

Packing Group: III

15. Regulatory Information

- Follow applicable local, regional, and international regulations
- Classified as hazardous under GHS

16. Other Information

The information provided in this MSDS is based on current knowledge and is intended for guidance in safe handling, use, storage, and disposal. It does not constitute a guarantee of product properties.

Prepared by: ATDM Safety Department

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