



TECHNICAL DATA SHEET (TDS)

1. Product Identification

Product Name: Sodium Bisulphate
Chemical Name: Sodium Hydrogen Sulphate
Chemical Formula: NaHSO₄
CAS Number: 7681-38-1
Supplier: ATDM

2. Product Description

Sodium Bisulphate is a dry, granular or crystalline acid salt commonly used as a pH reducer, cleaning agent, and in various industrial and water treatment applications. It is a safe and convenient alternative to liquid acids.

3. Typical Chemical Specifications

Parameter	Specification
Purity (NaHSO ₄)	≥ 95%
Sodium Sulfate (Na ₂ SO ₄)	≤ 5%
Moisture	≤ 1.0%
Iron (Fe)	≤ 0.05%
Heavy Metals	≤ 0.01%

4. Physical Properties

Property	Value
Appearance	White crystalline solid
Odor	Odorless
pH (1% solution)	1.0 – 2.0
Melting Point	~315°C (decomposes)
Density	~2.4 g/cm ³
Solubility	Highly soluble in water



5. Applications

- pH control in swimming pools and water treatment
- Industrial cleaning formulations
- Metal processing and surface treatment
- Textile and dye industries
- Food processing (where permitted by regulations)

6. Packaging

- 25 kg bags
- 50 kg bags
- Bulk bags (jumbo bags)
- Custom packaging available upon request

7. Handling and Storage

Handling:

- Avoid dust generation and inhalation
- Use appropriate personal protective equipment

Storage:

- Store in a cool, dry, and well-ventilated area
- Keep containers tightly sealed
- Protect from moisture

8. Shelf Life

Typically 24 months when stored under recommended conditions in original unopened packaging.



9. Safety Information

Refer to the Material Safety Data Sheet (MSDS) for detailed safety, health, and environmental information.

10. Regulatory Information

Complies with applicable industrial and chemical regulations. Users must ensure compliance with local regulations for specific applications.

11. Disclaimer

The information provided in this Technical Data Sheet is based on current knowledge and experience. It is intended as a guide for product use and does not guarantee specific properties or performance.

Prepared by: ATDM Technical Department

Date of Issue: 2026