

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Bisulfite 15% ACS Grade

**CAS Number:** 7631-90-5

**Molecular Formula:**  $\text{HNaO}_3\text{S}$

**Molecular Weight:** 104.06 g/mol

**Grade:** ACS Grade

**Purity / Concentration:** 15%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Sodium Bisulfite 15% ACS Grade is a high-purity aqueous solution designed for precise laboratory and industrial applications. This clear, colorless liquid serves as a reliable reducing agent, meeting the stringent standards required for sensitive analytical procedures.

**Grade Significance:** ACS Grade signifies that this product meets the high-purity standards established by the American Chemical Society, ensuring reliability for critical analytical and research applications. This grade provides the end user with the confidence that impurities are kept at strictly controlled, minimal levels.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

*Certificate of Analysis data not available for this product.*

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless to pale yellow liquid with sulfur odor	<b>Form</b>	Liquid
<b>Boiling Point</b>	100°C (solution)	<b>Specific Gravity</b>	1.13
<b>Solubility</b>	Highly soluble in water	<b>Molecular Formula</b>	$\text{HNaO}_3\text{S}$
<b>Molecular Weight</b>	104.06 g/mol		

### APPLICATIONS

- Water Treatment** — Utilized as a dechlorination agent to neutralize residual chlorine in municipal and industrial water systems.
- Analytical Chemistry** — Serves as a high-purity reagent in laboratory titrations and chemical synthesis where consistent, predictable results are required.
- Pulp and Paper** — Acts as an effective bleaching and brightening agent to ensure high-quality paper production standards.
- Food Processing** — Functions as a preservative and antioxidant to prevent browning and maintain the integrity of various food products.
- Textile Manufacturing** — Used in the dye-fixing process to ensure colorfastness and uniform pigment distribution across fabrics.

### STORAGE & HANDLING

Sodium Bisulfite must be stored in a cool, well-ventilated area to prevent degradation and the release of sulfur dioxide gas. Proper containment is essential to mitigate the risk of accidental ingestion or exposure, as the product is classified as harmful if swallowed.

## AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

## SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

**Signal Word: Warning**



**Hazard Statements:**

- H302: Harmful if swallowed [Warning Acute toxicity, oral]

**Emergency Contact:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

*For complete safety information, refer to the Safety Data Sheet (SDS) for this product.*

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