

PRODUCT IDENTIFICATION

**Product Name:** Sodium Bisulfite 15% ACS Grade**CAS Number:** 7631-90-5**Molecular Formula:** HNaO_3S **Molecular Weight:** 104.06 g/mol**Grade:** ACS Grade**Purity / Concentration:** 15%**Synonyms:** Not Available

PRODUCT OVERVIEW

Alliance Chemical offers Sodium Bisulfite 15% in an ACS Grade, providing a high-purity solution essential for precise laboratory and industrial applications. This clear, aqueous liquid serves as a reliable reducing agent and oxygen scavenger, meeting the rigorous standards required for analytical chemistry.

Grade Significance: ACS Grade signifies that the product meets or exceeds the purity standards set by the American Chemical Society, ensuring it is suitable for demanding laboratory and analytical work. This grade provides the assurance 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

Appearance	Clear, colorless to pale yellow liquid with sulfur odor	Form	Liquid
Boiling Point	100°C (solution)	Specific Gravity	1.13
Solubility	Highly soluble in water	Molecular Formula	HNaO_3S
Molecular Weight	104.06 g/mol		

APPLICATIONS

- Water Treatment** — Used as a dechlorination agent to neutralize chlorine residuals in municipal and industrial water systems. It effectively prevents oxidation damage to downstream equipment like reverse osmosis membranes.
- Laboratory Research** — Acts as a primary reagent in analytical procedures requiring high-purity chemicals. Its ACS grade ensures consistent results in sensitive chemical testing and standardized titration methods.
- Food Processing** — Functions as a preservative and antioxidant to prevent browning in certain food products. It helps maintain color stability and shelf life during manufacturing processes.
- Textile Manufacturing** — Applied as a bleaching agent and for the removal of excess chlorine during fabric processing. It ensures uniform dye uptake and prevents fiber degradation during treatment.
- Chemical Synthesis** — Serves as an essential reducing agent in various organic synthesis reactions. Its controlled concentration allows for precise stoichiometry in complex chemical formulations.

STORAGE & HANDLING

Proper storage is critical because Sodium Bisulfite reacts with acids to release toxic sulfur dioxide gas, posing a significant inhalation hazard. The container must remain tightly sealed in a cool, well-ventilated area to prevent degradation and maintain the chemical stability of the 15% solution.

AVAILABLE PACKAGING

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

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Danger



Hazard Statements:

- EUH031: Contact with acids liberates toxic gas
- H302: Harmful if swallowed
- H318: Causes serious eye damage

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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