

PRODUCT IDENTIFICATION



Product Name: Sodium Bisulfite 10% ACS Grade

CAS Number: 7631-90-5

Molecular Formula: HNaO_3S

Molecular Weight: 104.06 g/mol

Grade: ACS Grade

Purity / Concentration: 10%

Synonyms: Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality Sodium Bisulfite 10% solution in an ACS Grade, ensuring reliable performance for sensitive laboratory and industrial applications. This clear, liquid reagent is formulated for precise chemical reactions and consistent results in controlled environments.

Grade Significance: ACS Grade indicates that the chemical meets or exceeds the high-purity standards set by the American Chemical Society, making it ideal for analytical and research-grade procedures.

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	1.085
Solubility	Highly soluble in water	Molecular Formula	HNaO_3S
Molecular Weight	104.06 g/mol		

APPLICATIONS

- Laboratory Research** — Utilized as a precise analytical reagent for titration and chemical synthesis where consistent purity is required.
- Water Treatment** — Acts as an effective dechlorinating agent to neutralize residual chlorine in municipal or industrial water systems.
- Food Processing** — Serves as an antioxidant and preservative to prevent enzymatic browning and maintain product shelf stability.
- Textile Manufacturing** — Used as a bleaching agent and to remove excess chlorine after the bleaching process to protect fiber integrity.
- Chemical Manufacturing** — Functions as a reducing agent in various organic synthesis pathways to facilitate specific chemical transformations.

STORAGE & HANDLING

Sodium Bisulfite must be stored in a cool, well-ventilated area away from strong oxidizers and acids to prevent the release of hazardous sulfur dioxide gas. Proper containment is essential to maintain product stability and protect personnel from potential respiratory irritation.

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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