

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

Sodium Bisulfite 10% ACS Grade is a high-purity aqueous solution designed for precise laboratory and industrial applications. This clear liquid serves as a reliable reagent, meeting the rigorous quality standards required for consistent experimental and process outcomes.

Grade Significance: ACS Grade indicates that the chemical meets the high-purity specifications established by the American Chemical Society, ensuring reliability for sensitive analytical and laboratory use.

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

- Water Treatment** — Utilized as an effective dechlorinating agent to remove residual chlorine from municipal or process water systems.
- Laboratory Research** — Serves as a high-purity reducing agent for various analytical procedures and chemical synthesis reactions requiring strict quality control.
- Textile Manufacturing** — Used in bleaching and dyeing processes to neutralize excess oxidizing agents, ensuring consistent fabric coloration.
- Food Processing** — Employed as a preservative and antioxidant to prevent browning and maintain product shelf stability in specific manufacturing environments.
- Pulp and Paper** — Acts as a processing aid during bleaching operations to improve the brightness and quality of paper pulp.

STORAGE & HANDLING

Proper storage is critical because contact with acids will liberate toxic sulfur dioxide gas, posing a significant inhalation hazard. Containers must be kept tightly sealed in a cool, well-ventilated area to maintain product integrity and prevent accidental chemical reactions.

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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.