

PRODUCT IDENTIFICATION



Product Name: Sodium Bisulfite 10% Technical Grade

CAS Number: 7631-90-5

Molecular Formula: HNaO_3S

Molecular Weight: 104.06 g/mol

Grade: Technical Grade

Purity / Concentration: 10%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Bisulfite 10% Technical Grade is a reliable, aqueous solution formulated for versatile industrial and laboratory applications. With a specific gravity of 1.085, this liquid reagent provides consistent chemical performance for processes requiring a stable reducing agent.

Grade Significance: Technical Grade signifies that this product is manufactured for industrial and laboratory utility where cost-effective performance is required, though it is not intended for pharmaceutical or food-grade applications.

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** — Used as an effective dechlorinating agent to neutralize residual chlorine in municipal and industrial water systems.
- Textile Manufacturing** — Functions as a bleaching auxiliary and reducing agent to help remove excess dyes or manage color consistency in fabrics.
- Pulp and Paper** — Applied as a bleaching chemical to enhance the brightness and quality of wood pulp during the paper production process.
- Food Processing** — Utilized in controlled settings for sanitizing equipment and controlling microbial growth in non-food contact areas.
- Chemical Synthesis** — Acts as a foundational reagent in various laboratory reactions, particularly those requiring controlled reduction environments.

STORAGE & HANDLING

Proper storage is critical because contact with acids will liberate toxic sulfur dioxide gas, posing a severe inhalation risk. 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.

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