

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 clear, aqueous solution commonly used as a versatile reducing agent in various industrial processes. With a specific gravity of 1.085, this liquid formulation provides a convenient, pre-diluted concentration for controlled chemical applications.

Grade Significance: Technical Grade indicates that this product is manufactured for general industrial and laboratory applications where high functional performance is required, though it is not intended for pharmaceutical or food-grade end uses.

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 a dechlorination agent to neutralize residual chlorine in municipal and industrial water systems.
- Textile Manufacturing** — Acts as an effective bleaching and de-chlorinating agent during the processing of fabrics and fibers.
- Pulp and Paper** — Utilized in the bleaching process to help achieve desired paper brightness and remove excess oxidizing agents.
- Chemical Synthesis** — Serves as a reliable reducing agent in laboratory and industrial chemical reactions requiring controlled redox conditions.
- Food Processing** — Applied in specific industrial sanitation contexts to maintain equipment hygiene by neutralizing oxidative residues.

STORAGE & HANDLING

Proper storage is essential to maintain product stability and prevent the release of sulfur dioxide gas, which can occur if the solution is exposed to strong acids or improper temperatures. Containers must be kept tightly sealed in a cool, well-ventilated area to minimize the risk of inhalation and ensure the chemical remains effective for its intended use.

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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