

PRODUCT IDENTIFICATION



Product Name: Sodium Bisulfite 15% Technical Grade

CAS Number: 7631-90-5

Molecular Formula: HNaO_3S

Molecular Weight: 104.06 g/mol

Grade: Technical Grade

Purity / Concentration: 15%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Bisulfite 15% Technical Grade is a clear, aqueous solution commonly used as a versatile reducing agent in industrial settings. With a specific gravity of 1.13, this liquid product is formulated for consistent performance in various chemical processing and treatment applications.

Grade Significance: Technical Grade signifies that the product is manufactured for industrial and commercial utility where high 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	1.13
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 remove residual chlorine from municipal and industrial water supplies.
- Pulp and Paper** — Acts as a bleaching assistant and helps in the control of slime and microbial growth within paper manufacturing machinery.
- Food Processing** — Utilized in specialized industrial cleaning and sanitation protocols to manage oxidation and maintain equipment hygiene.
- Textiles** — Functions as an antichlor agent to remove excess bleach from fabrics during the finishing and dyeing processes.
- Mining** — Employed in ore processing and extraction procedures as a chemical reagent to facilitate separation and recovery.

STORAGE & HANDLING

Proper storage is critical to prevent the oxidation of sodium bisulfite into sodium sulfate, which can degrade product efficacy over time. Containers should be kept tightly sealed in a cool, well-ventilated area to manage the sulfur odor and mitigate potential health risks associated with the H302 hazard classification.

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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