

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Bisulfite 15% Technical Grade

**CAS Number:** 7631-90-5

**Molecular Formula:**  $\text{HNaO}_3\text{S}$

**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 to pale yellow liquid solution designed for versatile industrial and laboratory applications. With a specific gravity of 1.13, this reagent serves as a reliable reducing agent in various chemical processes.

**Grade Significance:** Technical Grade indicates that this product is manufactured for general industrial use where high functional performance is required but strict pharmaceutical or food-grade purity standards are not necessary.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

*Certificate of Analysis data not available for this product.*

### PHYSICAL & CHEMICAL PROPERTIES

|                         |                                                         |                          |                         |
|-------------------------|---------------------------------------------------------|--------------------------|-------------------------|
| <b>Appearance</b>       | Clear, colorless to pale yellow liquid with sulfur odor | <b>Form</b>              | Liquid                  |
| <b>Boiling Point</b>    | 100°C (solution)                                        | <b>Specific Gravity</b>  | 1.13                    |
| <b>Solubility</b>       | Highly soluble in water                                 | <b>Molecular Formula</b> | $\text{HNaO}_3\text{S}$ |
| <b>Molecular Weight</b> | 104.06 g/mol                                            |                          |                         |

### APPLICATIONS

- Water Treatment** — Used as a de-chlorinating agent to neutralize residual chlorine in municipal and industrial water systems.
- Pulp and Paper** — Acts as a bleaching assistant and helps in the removal of lignin during the pulping process.
- Textile Manufacturing** — Functions as a reducing agent for vat dyes and a bleaching agent for various natural fibers.
- Photography** — Utilized in photographic processing solutions to act as a preservative for developer baths.
- Mining** — Employed in ore flotation processes to assist in the separation of specific minerals from raw ores.

### STORAGE & HANDLING

Proper storage is critical because this solution reacts with acids to release toxic sulfur dioxide gas. It must be kept in a cool, well-ventilated area in tightly closed containers to prevent degradation and unintended 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](http://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.