

PRODUCT IDENTIFICATION

**Product Name:** Sodium Hypochlorite 8.25%**CAS Number:** 7681-52-9**Molecular Formula:** ClNaO**Molecular Weight:** 74.44 g/mol**Grade:** Technical Grade**Purity / Concentration:** 8.25%**Synonyms:** Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 8.25% is a versatile, technical-grade oxidizing agent widely utilized for disinfection and bleaching applications. This yellow-green liquid provides a stable concentration of 8.25% active chlorine, making it an essential chemical for maintaining sanitary standards in industrial environments.

Grade Significance: Technical grade signifies that the product is formulated for industrial and manufacturing applications where high efficacy is required but pharmaceutical or food-grade purity levels are not necessary.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Yellow-green liquid with strong chlorine odor	Form	Liquid
Boiling Point	101°C (dilute)	Melting / Freezing Point	-6°C (21°F)
Specific Gravity	1.12	Solubility	Fully soluble in water
Molecular Formula	ClNaO	Molecular Weight	74.44 g/mol

APPLICATIONS

- Water Treatment** — Used as a powerful disinfectant to eliminate bacteria and pathogens in process water systems.
- Textile Manufacturing** — Functions as a bleaching agent to whiten fabrics and remove impurities during the processing phase.
- Industrial Cleaning** — Acts as an effective sanitizing solution for large-scale equipment surfaces to prevent microbial contamination.
- Chemical Synthesis** — Serves as a reagent in laboratory settings for various oxidative chemical reactions.
- Pulp and Paper** — Employed to bleach wood pulp, ensuring the final paper product achieves the desired brightness levels.

STORAGE & HANDLING

Proper storage is critical because sodium hypochlorite is corrosive to many metals and can release toxic chlorine gas if it comes into contact with acids. Containers must be kept in a cool, well-ventilated area away from incompatible substances to prevent hazardous chemical reactions and structural degradation.

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
- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects

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.