

PRODUCT IDENTIFICATION

**Product Name:** Sodium Hypochlorite 10%**CAS Number:** 7681-52-9**Molecular Formula:** ClNaO**Molecular Weight:** 74.44 g/mol**Grade:** Technical Grade**Purity / Concentration:** 10%**Synonyms:** Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 10% is a powerful oxidizing agent supplied in technical grade for diverse industrial and laboratory applications. This yellow-green liquid provides a reliable 10% concentration, making it an essential chemical for sanitation and process-based treatments.

Grade Significance: Technical grade indicates that this product is formulated for industrial efficiency and utility rather than pharmaceutical or food-grade purity, ensuring it meets the rigorous demands of large-scale operations.

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	1.142	Solubility	Fully soluble in water
Molecular Formula	ClNaO	Molecular Weight	74.44 g/mol

APPLICATIONS

- Water Treatment** — Used as a primary disinfectant to eliminate pathogens and control biological growth in industrial water systems.
- Textile Manufacturing** — Functions as a bleaching agent to whiten fabrics and remove impurities during the production process.
- Food Processing** — Utilized for the sanitization of equipment and food contact surfaces to ensure stringent hygiene standards.
- Chemical Synthesis** — Serves as a reactive intermediate in various laboratory and industrial chemical manufacturing pathways.
- Pulp and Paper** — Employed in the bleaching of wood pulp to achieve the desired brightness and quality of paper products.

STORAGE & HANDLING

Proper storage is critical because Sodium Hypochlorite is corrosive to metals and poses severe skin and eye hazards. It must be kept in a cool, well-ventilated area away from acids to prevent the liberation of toxic gases.

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.

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