

## PRODUCT IDENTIFICATION

**Product Name:** Sodium Hypochlorite 6%**CAS Number:** 7681-52-9**Molecular Formula:** ClNaO**Molecular Weight:** 74.44 g/mol**Grade:** Technical Grade**Purity / Concentration:** 6%**Synonyms:** Not Available

## PRODUCT OVERVIEW

Sodium Hypochlorite 6% is a technical grade, yellow-green liquid solution widely utilized for its effective oxidative properties in industrial and laboratory settings. With a specific gravity of 1.09, this chemical serves as a reliable reagent for various sanitization and process applications.

**Grade Significance:** Technical grade indicates that the product is formulated for industrial and manufacturing efficacy rather than pharmaceutical or food-grade standards. This ensures cost-effective performance for non-consumable applications where high-purity specifications are not required.

## CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

## PHYSICAL &amp; CHEMICAL PROPERTIES

|                          |                                               |                                 |                        |
|--------------------------|-----------------------------------------------|---------------------------------|------------------------|
| <b>Appearance</b>        | Yellow-green liquid with strong chlorine odor | <b>Form</b>                     | Liquid                 |
| <b>Boiling Point</b>     | 101°C (dilute)                                | <b>Melting / Freezing Point</b> | -6°C (21°F)            |
| <b>Specific Gravity</b>  | 1.09                                          | <b>Solubility</b>               | Fully soluble in water |
| <b>Molecular Formula</b> | ClNaO                                         | <b>Molecular Weight</b>         | 74.44 g/mol            |

## APPLICATIONS

- Water Treatment** — Used as a primary disinfectant to control bacterial growth and maintain water quality in industrial systems.
- Textile Manufacturing** — Functions as a bleaching agent to lighten fibers and prepare raw materials for subsequent dyeing processes.
- Laboratory Research** — Serves as an essential oxidizing agent for chemical synthesis and equipment sterilization protocols.
- Pulp and Paper** — Applied in the delignification process to improve the brightness and purity of paper products.
- Industrial Cleaning** — Acts as a potent disinfectant for sanitizing surfaces and removing organic contaminants in large-scale facilities.

## STORAGE &amp; HANDLING

Proper storage is critical because Sodium Hypochlorite is corrosive to metals and can release toxic gases if it comes into contact with acids. Maintaining a stable, cool environment prevents degradation of the active concentration and ensures the safety of facility personnel.

## 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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