

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Hypochlorite 3%

**CAS Number:** 7681-52-9

**Molecular Formula:** ClNaO

**Molecular Weight:** 74.44 g/mol

**Grade:** Technical Grade

**Purity / Concentration:** 3%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Alliance Chemical provides high-quality Sodium Hypochlorite 3% in a stable technical grade liquid formulation. This versatile solution is widely utilized for general industrial and laboratory applications requiring consistent oxidative properties.

**Grade Significance:** Technical Grade indicates that this product is manufactured for general industrial utility where high-purity pharmaceutical standards are not required, offering a cost-effective solution for bulk processing.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

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

### PHYSICAL & CHEMICAL PROPERTIES

|                          |                                       |                                 |                        |
|--------------------------|---------------------------------------|---------------------------------|------------------------|
| <b>Appearance</b>        | Pale yellow liquid with 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>  | 1.048                                 | <b>Solubility</b>               | Fully soluble in water |
| <b>Molecular Formula</b> | ClNaO                                 | <b>Molecular Weight</b>         | 74.44 g/mol            |

### APPLICATIONS

- Industrial Cleaning** — Used as a base ingredient for surface sanitization and bleaching agents in commercial facility maintenance.
- Water Treatment** — Applied in controlled environments for the oxidation of contaminants and general water quality management.
- Laboratory Research** — Serves as a standard reagent for chemical synthesis and sterilization protocols within controlled lab settings.
- Textile Manufacturing** — Utilized as a bleaching agent for processing raw fibers and fabrics to achieve specific color profiles.
- Waste Management** — Employed to neutralize odors and treat industrial effluent streams prior to final discharge.

### STORAGE & HANDLING

Sodium Hypochlorite must be stored in a cool, dark, and well-ventilated area to prevent rapid degradation from UV light and heat. Proper storage is critical to mitigate the risk of pressure buildup and to ensure the chemical does not interact with incompatible materials, which could trigger hazardous 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:

- H315: Causes skin irritation
- H318: Causes serious 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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