

PRODUCT IDENTIFICATION



Product Name: Sodium Hypochlorite 6%

CAS Number: 7681-52-9

Molecular Formula: ClNaO

Molecular Weight: 74.44 g/mol

Grade: Technical

Purity / Concentration: 6%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 6% is a versatile technical-grade oxidizing agent commonly utilized for industrial sanitation and laboratory applications. This yellow-green liquid provides a stable concentration for effective disinfection and chemical processing requirements.

Grade Significance: Technical grade indicates that the product is formulated for industrial and manufacturing utility rather than human consumption or pharmaceutical use. It ensures the chemical meets specific efficacy standards required for large-scale industrial 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	1.09	Solubility	Fully soluble in water
Molecular Formula	ClNaO	Molecular Weight	74.44 g/mol

APPLICATIONS

- 1. Water Treatment** — Used as a primary disinfectant to control biological growth and sanitize process water systems.
- 2. Industrial Cleaning** — Functions as a powerful bleaching and cleaning agent for removing organic stains and residues from industrial surfaces.
- 3. Laboratory Research** — Applied in controlled environments for the decontamination of glassware and neutralization of biological hazards.
- 4. Textile Manufacturing** — Utilized in the whitening process for fabrics to achieve desired color specifications.

STORAGE & HANDLING

Proper storage is critical because Sodium Hypochlorite is highly reactive and can release hazardous gases if exposed to incompatible materials or improper temperatures. Containers must be kept in a cool, well-ventilated area to prevent degradation and mitigate the risk of severe skin or eye contact.

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:

- H314: Causes severe skin burns and eye damage [Danger Skin corrosion/irritation]
- H318: Causes serious eye damage [Danger Serious eye damage/eye irritation]
- H400: Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard]
- H410: Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]

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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