

PRODUCT IDENTIFICATION



Product Name: Sodium Hypochlorite 2%

CAS Number: 7681-52-9

Molecular Formula: ClNaO

Molecular Weight: 74.44 g/mol

Grade: Technical Grade

Purity / Concentration: 2%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 2% is a technical grade, pale yellow liquid solution widely utilized for its effective oxidative properties in industrial and laboratory settings. This solution provides a consistent 2% concentration, ensuring reliable performance for general chemical processing and sanitation applications.

Grade Significance: Technical grade indicates that this product is formulated for industrial and laboratory applications where high-performance chemical activity is required, but it is not intended for pharmaceutical or food-grade use.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Pale yellow liquid with chlorine odor	Form	Liquid
Boiling Point	101°C (dilute)	Melting / Freezing Point	-6°C (21°F)
Specific Gravity	1.032	Solubility	Fully soluble in water
Molecular Formula	ClNaO	Molecular Weight	74.44 g/mol

APPLICATIONS

- Water Treatment** — Used as a controlled oxidizing agent for the treatment of process water in industrial facilities.
- Laboratory Research** — Serves as a standard reagent for various benchtop chemical reactions and equipment sterilization protocols.
- Manufacturing** — Utilized in the surface preparation of materials requiring mild oxidative cleaning before further processing.
- Textile Industry** — Employed in controlled applications for bleaching or color modification of specific industrial fabrics.

STORAGE & HANDLING

Proper storage is essential to prevent degradation and maintain chemical stability, as exposure to light and heat can accelerate the decomposition of sodium hypochlorite. Furthermore, because this product can cause skin irritation and serious eye damage, it must be stored in a secure, well-ventilated area away from incompatible acids to prevent the release of hazardous chlorine gas.

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
- H411: 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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