

PRODUCT IDENTIFICATION



Product Name: Sodium Hypochlorite 2%

CAS Number: 7681-52-9

Molecular Formula: ClNaO

Molecular Weight: 74.44 g/mol

Grade: Technical

Purity / Concentration: 2%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 2% is a technical grade solution primarily utilized for industrial and laboratory applications. This pale yellow liquid provides a controlled concentration of active chlorine for precise chemical processing.

Grade Significance: Technical grade indicates that this product is manufactured for industrial and laboratory use where specific functional performance is required, though it is not intended for food or pharmaceutical applications.

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** — Utilized as a secondary disinfectant or reagent in controlled laboratory water testing environments.
- Chemical Manufacturing** — Acts as a precursor or oxidizing agent in various small-scale chemical synthesis and research procedures.
- Industrial Cleaning** — Used in specialized surface treatment processes requiring a mild, standardized chlorine-based oxidizer.
- Laboratory Research** — Serves as a reliable reagent for analytical chemistry protocols requiring specific chlorine concentrations.

STORAGE & HANDLING

Proper storage is critical because sodium hypochlorite is sensitive to light and heat, which can lead to rapid decomposition and loss of concentration. Furthermore, because it is classified as causing severe skin and eye damage, containers must be kept tightly sealed in a cool, ventilated area to prevent hazardous vapor buildup.

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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