

PRODUCT IDENTIFICATION



Product Name: Sodium Hypochlorite 10%

CAS Number: 7681-52-9

Molecular Formula: ClNaO

Molecular Weight: 74.44 g/mol

Grade: Technical

Purity / Concentration: 10%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Hypochlorite 10% is a powerful oxidizing agent supplied in a technical grade for broad industrial and laboratory utility. This yellow-green liquid provides a consistent 10% concentration, making it an effective solution for disinfection, bleaching, and chemical synthesis processes.

Grade Significance: Technical grade indicates that the product is formulated for industrial and manufacturing applications where high performance is required, though 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	Yellow-green liquid with strong chlorine odor	Form	Liquid
Boiling Point	101°C (dilute)	Melting / Freezing Point	-6°C (21°F)
Specific Gravity	1.142	Solubility	Fully soluble in water
Molecular Formula	ClNaO	Molecular Weight	74.44 g/mol

APPLICATIONS

- Water Treatment** — Used as a primary disinfectant to eliminate harmful pathogens and control biological growth in industrial water systems.
- Textile Manufacturing** — Acts as a potent bleaching agent to whiten fabrics and remove impurities during the processing phase.
- Laboratory Research** — Serves as a reliable reagent for various chemical synthesis and analytical procedures requiring controlled oxidation.
- Industrial Cleaning** — Utilized in sanitation protocols to effectively sanitize equipment and surfaces in high-traffic industrial environments.

STORAGE & HANDLING

Sodium Hypochlorite is sensitive to temperature and light, which can accelerate decomposition and reduce its active chlorine concentration. Proper storage in a cool, dark, and well-ventilated area is essential to prevent the release of hazardous chlorine gas and ensure the product remains safe for handling.

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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