

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Hydroxide 30% Technical Grade

**CAS Number:** 1310-73-2

**Molecular Formula:** HNaO

**Molecular Weight:** 39.997 g/mol

**Grade:** Technical Grade

**Purity / Concentration:** 30%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Sodium Hydroxide 30% Technical Grade is a versatile, high-strength alkaline solution widely utilized across various industrial sectors. This clear, viscous liquid is manufactured to meet consistent concentration standards, making it an essential reagent for pH adjustment and chemical processing.

**Grade Significance:** Technical Grade signifies a product optimized for industrial efficiency and cost-effectiveness, providing the necessary purity for most manufacturing and processing applications without the premium cost of analytical laboratory reagents.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

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

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, slightly viscous pale liquid	<b>Form</b>	Liquid
<b>Boiling Point</b>	1390°C (pure)	<b>Melting / Freezing Point</b>	318°C (pure)
<b>Specific Gravity</b>	1.328	<b>Solubility</b>	Fully soluble in water
<b>Molecular Formula</b>	HNaO	<b>Molecular Weight</b>	39.997 g/mol

### APPLICATIONS

- Water Treatment** — Used as a primary chemical for pH adjustment and neutralizing acidic waste streams in municipal and industrial water systems.
- Manufacturing** — Acts as a critical cleaning agent and degreaser for heavy-duty industrial equipment and parts maintenance.
- Chemical Synthesis** — Serves as a fundamental reactant in the production of soaps, detergents, and various organic chemical compounds.
- Textile Industry** — Utilized in the processing and mercerization of cotton fibers to improve dye affinity and tensile strength.
- Laboratory Research** — Provides a reliable source of alkalinity for routine analytical procedures and bench-top reagent preparation.

### STORAGE & HANDLING

Due to its corrosive nature, Sodium Hydroxide must be stored in specialized, compatible containers to prevent structural failure and leaks. Proper containment is critical to mitigate severe skin and eye hazards, ensuring a safe environment for facility personnel.

## 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]

**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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