

PRODUCT IDENTIFICATION



Product Name: Sodium Hydroxide 10% Technical Grade

CAS Number: 1310-73-2

Molecular Formula: HNaO

Molecular Weight: 39.997 g/mol

Grade: Technical Grade

Purity / Concentration: 10%

Synonyms: Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality 10% Sodium Hydroxide in a convenient technical grade liquid form. This clear, colorless solution is essential for pH adjustment and chemical processing in various industrial applications.

Grade Significance: Technical grade indicates that this product is formulated for industrial and manufacturing utility where high consistency is required, even if it does not meet pharmaceutical or food-grade purity standards.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid	Form	Liquid
Boiling Point	1390°C (pure)	Melting / Freezing Point	318°C (pure)
Specific Gravity	1.109	Solubility	Fully soluble in water
Molecular Formula	HNaO	Molecular Weight	39.997 g/mol

APPLICATIONS

- Water Treatment** — Used as a reliable agent for neutralizing acidic wastewater and adjusting pH levels in municipal or industrial treatment facilities.
- Manufacturing** — Acts as a key reagent in the synthesis of various chemical compounds and the cleaning of industrial equipment.
- Laboratory Research** — Provides a consistent concentration for general laboratory experiments requiring controlled alkalinity.
- Food Processing** — Utilized in specific cleaning and sanitization protocols for food-grade machinery to ensure hygiene standards.
- Textile Industry** — Used in the processing and mercerization of fabrics to improve dye affinity and overall material strength.

STORAGE & HANDLING

Proper storage is critical because Sodium Hydroxide is highly corrosive and can cause severe skin burns or eye damage. Containers must be kept tightly sealed in a cool, well-ventilated area to prevent accidental spills and minimize the risk of hazardous chemical reactions.

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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