

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 10% Sodium Hydroxide in a Technical Grade liquid form, providing a reliable solution for various industrial applications. This clear, colorless solution features a specific gravity of 1.109 and is formulated to meet standard performance requirements for general industrial and laboratory use.

Grade Significance: Technical Grade indicates that this product is manufactured for industrial use where cost-effectiveness is prioritized and extreme high-purity analytical standards are not required.

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** — Utilized for pH adjustment in wastewater systems to neutralize acidic streams before discharge.
- Manufacturing** — Serves as a vital chemical intermediate and cleaning agent in the production of various industrial goods.
- Laboratory Research** — Provides a consistent, ready-to-use reagent for routine titration and chemical analysis tasks.
- Industrial Cleaning** — Acts as a powerful degreaser and cleaner for removing organic contaminants from equipment and surfaces.
- Textile Processing** — Used in the treatment and processing of fibers to improve dye absorption and material quality.

STORAGE & HANDLING

Sodium Hydroxide is highly corrosive to metals and can cause severe skin burns, making proper containment essential to prevent accidental exposure or structural damage. Storage areas must be kept secure and well-ventilated to mitigate the risks associated with its H290 and H314 hazard classifications.

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:

- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage

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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