

PRODUCT IDENTIFICATION

**Product Name:** Sodium Hydroxide 10% ACS Grade**CAS Number:** 1310-73-2**Molecular Formula:** HNaO**Molecular Weight:** 39.997 g/mol**Grade:** ACS Grade**Purity / Concentration:** 10%**Synonyms:** Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality 10% Sodium Hydroxide in an ACS grade, providing a reliable and standardized solution for precision laboratory and industrial applications. This clear, colorless liquid is manufactured to meet rigorous purity standards, ensuring consistency for your critical chemical processes.

Grade Significance: ACS Grade signifies that the chemical meets the strict purity standards set by the American Chemical Society, ensuring it is suitable for use in demanding laboratory and analytical environments.

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

- Analytical Chemistry** — Used as a standardized reagent for titration procedures and pH adjustment in aqueous solutions.
- Water Treatment** — Applied in small-scale water purification processes to neutralize acidity and balance pH levels effectively.
- Pharmaceutical Manufacturing** — Utilized as a chemical intermediate or catalyst in the synthesis of various active pharmaceutical ingredients.
- Food and Beverage** — Employed for controlled cleaning and sanitization of processing equipment where high-purity chemical standards are required.

STORAGE & HANDLING

Sodium Hydroxide is highly caustic and requires storage in a cool, dry, and well-ventilated area to maintain chemical stability and prevent container degradation. Because it causes severe skin burns and eye damage, strict adherence to secondary containment and secure, labeled storage is essential to ensure workplace safety.

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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