

### 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

<b>Appearance</b>	Clear, colorless liquid	<b>Form</b>	Liquid
<b>Boiling Point</b>	1390°C (pure)	<b>Melting / Freezing Point</b>	318°C (pure)
<b>Specific Gravity</b>	1.109	<b>Solubility</b>	Fully soluble in water
<b>Molecular Formula</b>	HNaO	<b>Molecular Weight</b>	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.*

---

**Alliance Chemical** | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)

**Disclaimer:** The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.