

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Hydroxide 15% ACS Grade

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

**Molecular Formula:** HNaO

**Molecular Weight:** 39.997 g/mol

**Grade:** ACS Grade

**Purity / Concentration:** 15%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Alliance Chemical offers high-quality 15% Sodium Hydroxide in ACS grade, providing a reliable and precise concentration for sensitive laboratory and industrial applications. This clear, colorless liquid is manufactured to meet rigorous standards, ensuring consistency and performance for your critical chemical processes.

**Grade Significance:** ACS Grade signifies that this product meets the strict specifications established by the American Chemical Society, guaranteeing a level of purity suitable for demanding laboratory and analytical work.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

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

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless to slightly 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>	1.165	<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 standard reagent for titration procedures and pH adjustment in laboratory settings where precision is paramount.
- Water Treatment** — Serves as an effective agent for neutralizing acidic wastewater and controlling pH levels to meet environmental discharge compliance.
- Pharmaceutical Manufacturing** — Utilized in the synthesis and purification of active pharmaceutical ingredients where strict quality control is required.
- Food and Beverage** — Acts as a cleaning and sanitizing agent for processing equipment, ensuring the removal of organic residues.
- Chemical Synthesis** — Functions as a strong base catalyst in various organic reactions, facilitating the production of essential chemical intermediates.

### STORAGE & HANDLING

Sodium Hydroxide is highly corrosive and must be stored in a cool, well-ventilated area away from incompatible substances like strong acids. Proper containment is essential to prevent severe skin burns and eye damage, ensuring the safety of personnel and the integrity of the chemical solution.

## 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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