

### PRODUCT IDENTIFICATION



**Product Name:** Sodium Hydroxide 30% ACS Grade

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

**Molecular Formula:** HNaO

**Molecular Weight:** 39.997 g/mol

**Grade:** ACS Grade

**Purity / Concentration:** 30%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Alliance Chemical offers high-quality Sodium Hydroxide 30% solution, formulated to meet rigorous ACS Grade standards. This clear, slightly viscous liquid is a primary reagent used in analytical chemistry and critical industrial applications where precision and purity are required.

**Grade Significance:** ACS Grade signifies that the product meets the high-purity specifications established by the American Chemical Society, ensuring consistent results for analytical and research-grade requirements.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

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

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, slightly viscous 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>	1.328	<b>Solubility</b>	Fully soluble in water
<b>Molecular Formula</b>	HNaO	<b>Molecular Weight</b>	39.997 g/mol

### APPLICATIONS

- Laboratory Research** — Used as a standard reagent for titration and pH adjustment in analytical chemistry procedures.
- Water Treatment** — Applied for effective pH neutralization and heavy metal precipitation in municipal and industrial water systems.
- Pharmaceutical Manufacturing** — Serves as a vital chemical intermediate for synthesis processes requiring strict adherence to purity standards.
- Electronics** — Utilized in the cleaning and etching of silicon wafers and other sensitive electronic components.
- Chemical Processing** — Acts as a strong base in various organic and inorganic synthesis reactions to drive production efficiency.

### STORAGE & HANDLING

Sodium Hydroxide is highly corrosive and requires storage in robust, chemical-resistant containers to prevent accidental skin contact or eye damage. It must be stored in a cool, well-ventilated area away from incompatible acids and metals to maintain chemical integrity and prevent hazardous 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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**Alliance Chemical** | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)

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