

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

Appearance	Clear, slightly viscous pale liquid	Form	Liquid
Boiling Point	1390°C (pure)	Melting / Freezing Point	318°C (pure)
Specific Gravity	1.328	Solubility	Fully soluble in water
Molecular Formula	HNaO	Molecular Weight	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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