

PRODUCT IDENTIFICATION



Product Name: Sodium Hydroxide 20% ACS Grade

CAS Number: 1310-73-2

Molecular Formula: HNaO

Molecular Weight: 39.997 g/mol

Grade: ACS Grade

Purity / Concentration: 20%

Synonyms: Not Available

PRODUCT OVERVIEW

Sodium Hydroxide 20% ACS Grade is a high-purity, clear liquid solution formulated to meet rigorous analytical standards. This standardized concentration is designed for precise laboratory and industrial applications where consistency and chemical reliability are paramount.

Grade Significance: ACS Grade signifies that the product meets the stringent purity standards set by the American Chemical Society, ensuring it is suitable for critical analytical and laboratory work where high precision is required.

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	1.219	Solubility	Fully soluble in water
Molecular Formula	HNaO	Molecular Weight	39.997 g/mol

APPLICATIONS

- Analytical Chemistry** — Utilized as a high-purity reagent for titration, pH adjustment, and the preparation of standardized laboratory solutions.
- Water Treatment** — Used for precise pH control and the neutralization of acidic effluent streams to ensure environmental compliance.
- Manufacturing** — Serves as a fundamental chemical building block in the synthesis of organic and inorganic compounds.
- Research and Development** — Provides a consistent, high-quality base for experimental protocols requiring strict adherence to ACS specifications.

STORAGE & HANDLING

Sodium hydroxide is highly corrosive and reactive, necessitating storage in chemically compatible containers such as high-density polyethylene. Proper containment prevents severe skin burns and eye damage while maintaining product integrity by avoiding contamination from atmospheric carbon dioxide.

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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