

PRODUCT IDENTIFICATION



Product Name: Sodium Hydroxide 20% Technical Grade

CAS Number: 1310-73-2

Molecular Formula: HNaO

Molecular Weight: 39.997 g/mol

Grade: Technical Grade

Purity / Concentration: 20%

Synonyms: Not Available

PRODUCT OVERVIEW

Alliance Chemical offers Sodium Hydroxide 20% in a Technical Grade liquid formulation, characterized by a specific gravity of 1.219. This clear, slightly viscous solution is engineered for reliable performance in a wide range of industrial and laboratory applications.

Grade Significance: Technical Grade indicates that this product is formulated for industrial efficiency where high purity is required for processing, but it is not intended for food, drug, or medicinal use.

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

- Water Treatment** — Used for pH adjustment and neutralization of acidic wastewater streams to ensure compliance with environmental regulations.
- Chemical Manufacturing** — Serves as a fundamental reagent in various synthesis processes and the production of chemical intermediates.
- Industrial Cleaning** — Functions as a powerful degreasing agent and cleaner for heavy-duty industrial equipment and tanks.
- Textile Industry** — Utilized in the processing of natural fibers and the mercerization of cotton to improve dye affinity and luster.
- Laboratory Research** — Provides a consistent source of alkalinity for analytical testing and controlled chemical reactions in professional settings.

STORAGE & HANDLING

Sodium Hydroxide is highly corrosive and requires storage in compatible, chemically resistant containers to prevent leaks and structural damage. Proper containment is essential to mitigate the risk of severe skin burns and eye damage, ensuring safety for all personnel in the facility.

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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