

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

Sodium Hydroxide 20% Technical Grade is a versatile, clear alkaline liquid designed for robust industrial performance. With a specific gravity of 1.219, this solution serves as a reliable base for various pH adjustment and chemical processing applications.

Grade Significance: Technical Grade indicates that the product is manufactured for general industrial use where high functional performance is required, though it is not intended for food or pharmaceutical applications.

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 as a primary reagent for pH adjustment and neutralization of acidic wastewater streams.
- Chemical Manufacturing** — Acts as a foundational chemical building block for the synthesis of various organic and inorganic compounds.
- Metal Processing** — Utilized in metal cleaning and degreasing operations to remove surface contaminants and prepare parts for finishing.
- Pulp and Paper** — Applied in the pulping process to assist in the breakdown of wood fibers and delignification.
- Textile Industry** — Used during the mercerization process to improve luster, strength, and dye affinity of cotton fibers.

STORAGE & HANDLING

Proper storage is critical because this solution is highly corrosive to metals and poses severe risks for skin and eye tissue. Containers must be kept tightly sealed in a cool, well-ventilated area to prevent accidental exposure and container degradation.

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:

- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage

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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.