

PRODUCT IDENTIFICATION

**Product Name:** Ammonium Hydroxide 20% Technical Grade**CAS Number:** 1336-21-6**Molecular Formula:** H_5NO **Molecular Weight:** 35.046 g/mol**Grade:** Technical Grade**Purity / Concentration:** 20%**Synonyms:** Not Available

PRODUCT OVERVIEW

Ammonium Hydroxide 20% Technical Grade is a clear, colorless aqueous solution featuring a 20% concentration for reliable industrial and laboratory performance. This versatile chemical is widely utilized for pH adjustment and chemical synthesis across various manufacturing sectors.

Grade Significance: Technical Grade indicates that this product is manufactured for industrial and laboratory utility where general performance is required, rather than for food or pharmaceutical consumption.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid with strong ammonia odor	Form	Liquid
Boiling Point	38°C (100°F)	Melting / Freezing Point	-58°C (-72°F)
Specific Gravity	0.92	Solubility	Fully soluble in water
Molecular Formula	H_5NO	Molecular Weight	35.046 g/mol

APPLICATIONS

- Water Treatment** — Used as a neutralizing agent to adjust pH levels in industrial wastewater systems.
- Chemical Manufacturing** — Serves as a vital precursor and catalyst in the synthesis of various nitrogen-containing organic compounds.
- Metal Processing** — Employed in metal surface treatment processes and as an etchant for specific alloy applications.
- Laboratory Research** — Utilized as a standard reagent for analytical testing and general laboratory chemical procedures.
- Textile Industry** — Acts as a cleaning and scouring agent during the processing of natural and synthetic fibers.

STORAGE & HANDLING

Ammonium Hydroxide must be stored in a cool, well-ventilated area to prevent pressure buildup and the release of pungent ammonia vapors. Proper containment is critical to mitigate the risk of severe skin burns and respiratory irritation associated with accidental exposure.

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
- H335: May cause respiratory irritation
- H400: Very toxic to aquatic life

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.