

PRODUCT IDENTIFICATION

**Product Name:** Ammonium Hydroxide 15% Technical Grade**CAS Number:** 1336-21-6**Molecular Formula:** H_5NO **Molecular Weight:** 35.046 g/mol**Grade:** Technical Grade**Purity / Concentration:** 15%**Synonyms:** Not Available

PRODUCT OVERVIEW

Ammonium Hydroxide 15% Technical Grade is a clear, colorless aqueous solution featuring a 15% concentration of ammonia. This versatile reagent is engineered for general industrial and laboratory applications where a reliable, standardized alkaline source is required.

Grade Significance: Technical Grade represents a product suitable for general industrial and commercial use where high-purity specifications are not strictly required, offering a cost-effective solution for large-scale operations.

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	0.938	Solubility	Fully soluble in water
Molecular Formula	H_5NO	Molecular Weight	35.046 g/mol

APPLICATIONS

- Water Treatment** — Used as a pH adjuster to neutralize acidic components in water systems and maintain optimal alkalinity levels.
- Chemical Manufacturing** — Serves as a fundamental precursor in the synthesis of various nitrogen-containing organic and inorganic compounds.
- Metal Processing** — Utilized in metal finishing and etching processes to clean surfaces and facilitate specific surface treatments.
- Textile Industry** — Employed as a neutralizing agent during the dyeing and finishing of textiles to ensure consistent color adherence.
- Laboratory Research** — Acts as a standard laboratory reagent for general analytical procedures and pH regulation in experimental setups.

STORAGE & HANDLING

Ammonium Hydroxide must be stored in a cool, well-ventilated area to prevent pressure buildup and the release of pungent vapors. Proper containment is critical because this chemical is classified as corrosive, posing severe risks of skin burns, eye damage, and respiratory irritation upon 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.

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