

PRODUCT IDENTIFICATION

**Product Name:** Ammonium Hydroxide 10% Technical Grade**CAS Number:** 1336-21-6**Molecular Formula:** H_5NO **Molecular Weight:** 35.046 g/mol**Grade:** Technical Grade**Purity / Concentration:** 10%**Synonyms:** Not Available

PRODUCT OVERVIEW

Ammonium Hydroxide 10% Technical Grade is a versatile, clear aqueous solution widely utilized for general industrial and laboratory applications. This concentration offers a stable, controlled alkaline strength, making it an essential reagent for pH adjustment and chemical synthesis processes.

Grade Significance: Technical Grade indicates that the product is manufactured for general industrial use where high-level purity standards required for pharmaceutical or food applications are not necessary, providing a cost-effective solution for standard processing tasks.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid with moderate ammonia odor	Form	Liquid
Boiling Point	38°C (100°F)	Melting / Freezing Point	-58°C (-72°F)
Specific Gravity	0.958	Solubility	Fully soluble in water
Molecular Formula	H_5NO	Molecular Weight	35.046 g/mol

APPLICATIONS

- Water Treatment** — Used as a neutralizing agent to balance the pH levels of industrial wastewater systems.
- Laboratory Research** — Serves as a fundamental reagent for various analytical testing procedures and chemical synthesis.
- Manufacturing** — Acts as a precursor or cleaning agent in the production of diverse industrial chemical formulations.
- Metal Processing** — Utilized in surface treatment applications to clean or etch metal components before further manufacturing.

STORAGE & HANDLING

Ammonium hydroxide must be stored in a cool, well-ventilated area away from direct sunlight to prevent pressure buildup and potential container failure. Because this substance causes severe skin burns and respiratory irritation, proper containment is critical to prevent accidental exposure and environmental contamination.

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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