

PRODUCT IDENTIFICATION



Product Name: Ammonium Hydroxide 15% Technical Grade

CAS Number: 1336-21-6

Molecular Formula: H₅NO

Molecular Weight: 35.046 g/mol

Grade: Technical Grade

Purity / Concentration: 15%

Synonyms: Not Available

PRODUCT OVERVIEW

Ammonium Hydroxide 15% Technical Grade is a versatile, clear liquid solution formulated for reliable performance in various industrial processes. With a specific gravity of 0.938, this concentration is engineered to provide consistent reactivity for general chemical applications and laboratory testing.

Grade Significance: Technical Grade indicates that this product is suitable for industrial and laboratory applications where high-performance consistency is required without the stringent purity standards of food or pharmaceutical grades.

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 ₅ NO	Molecular Weight	35.046 g/mol

APPLICATIONS

- Water Treatment** — Used as a pH adjuster to neutralize acidic components in wastewater treatment systems.
- Manufacturing** — Serves as a fundamental reagent in the synthesis of diverse organic and inorganic chemicals.
- Laboratory Research** — Utilized in analytical chemistry for qualitative testing and as a common laboratory reagent.
- Metal Processing** — Employed in metal surface treatment and cleaning operations to prepare substrates for finishing.
- Textile Industry** — Acts as a processing agent for the treatment and dyeing of various textile fibers.

STORAGE & HANDLING

Proper storage is critical because Ammonium Hydroxide is corrosive to certain metals and releases pungent vapors that can cause severe respiratory irritation. Containers must be kept in a cool, well-ventilated area to prevent pressure buildup and ensure the safety of personnel handling the material.

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
- 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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