

### PRODUCT IDENTIFICATION



**Product Name:** Ammonium Hydroxide 15% Technical Grade

**CAS Number:** 1336-21-6

**Molecular Formula:** H<sub>5</sub>NO

**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 liquid commonly used for general industrial and laboratory applications. This solution maintains a 15% concentration, providing a reliable reagent for various chemical processes.

**Grade Significance:** Technical Grade indicates that this product is formulated for industrial and commercial use where high chemical purity is less critical than cost-effective, consistent performance.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

*Certificate of Analysis data not available for this product.*

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless liquid with strong ammonia odor	<b>Form</b>	Liquid
<b>Boiling Point</b>	38°C (100°F)	<b>Melting / Freezing Point</b>	-58°C (-72°F)
<b>Specific Gravity</b>	0.938	<b>Solubility</b>	Fully soluble in water
<b>Molecular Formula</b>	H <sub>5</sub> NO	<b>Molecular Weight</b>	35.046 g/mol

### APPLICATIONS

- Industrial Cleaning** — Used as an effective cleaning agent for removing grease, wax, and resin deposits from industrial equipment.
- Water Treatment** — Functions as a pH adjuster in water treatment systems to maintain optimal chemical balance and safety.
- Laboratory Research** — Serves as a fundamental reagent for pH control and chemical synthesis within general laboratory environments.
- Chemical Manufacturing** — Acts as a precursor in the production of various nitrogen-containing compounds and specialty chemicals.
- Metal Processing** — Utilized in the surface treatment of metals to prepare surfaces for plating or further finishing.

### STORAGE & HANDLING

Proper storage is critical because this chemical is highly corrosive and presents a significant risk for skin burns and eye damage. Containers should be kept in a cool, well-ventilated area to prevent pressure buildup and exposure to hazardous vapors.

## 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 [Danger Skin corrosion/irritation]
- H400: Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard]

**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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