



201 Westland Farm Road  
Mount Holly, NC 28120  
704-827-0216  
[www.ArroChem.Com](http://www.ArroChem.Com)

## AMMONIUM HYDROXIDE SOLUTION

ArroChem's Ammonium Hydroxide Solution, also known as ammonia water, is an aqueous solution of ammonia gas (NH<sub>3</sub>) dissolved in water. It is a colorless liquid with a pungent odor and is commonly used in various industrial, laboratory, and household applications.

### General Characteristics:

Appearance:	Clear, colorless liquid
Solubility in Water, 25°C:	Completely Soluble
Specific Gravity:	0.9-1.0 g/cm <sup>3</sup>
pH:	11.5-12.5



### APPLICATION:

Ammonium Hydroxide Solution finds various applications across industries due to its alkaline properties and solubility in water. Key applications include:

- **Chemical Manufacturing:** Used as a precursor or reagent in various chemical synthesis processes.
- **Cleaning and Surface Treatment:** Employed as a cleaning agent and surface treatment solution for metals, glass, and ceramics.
- **Laboratory Use:** Used as a reagent and buffer in various laboratory procedures and analyses.
- **Wastewater Treatment:** Used as a neutralizing agent to adjust the pH of wastewater and industrial effluents.