

PRODUCT IDENTIFICATION

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

PRODUCT OVERVIEW

Ammonium Hydroxide 15% ACS Grade is a high-purity, clear liquid solution essential for precise laboratory and industrial analytical applications. Meeting the rigorous American Chemical Society standards, this reagent provides the reliability needed for sensitive chemical processes.

Grade Significance: ACS Grade signifies that this product meets the strict specifications set by the American Chemical Society, ensuring the high purity and consistency required for analytical and laboratory-grade work.

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

- Analytical Chemistry** — Used as a high-purity reagent in laboratory titrations and pH adjustment protocols where precise concentration is required.
- Pharmaceutical Manufacturing** — Serves as a critical intermediate or pH buffer during the synthesis and purification of active pharmaceutical ingredients.
- Electronics** — Utilized in semiconductor cleaning processes to remove organic contaminants from silicon wafer surfaces.
- Environmental Testing** — Applied in water quality analysis and soil testing procedures to facilitate necessary chemical reactions for accurate detection.
- General Industrial** — Functions as a versatile chemical base for industrial cleaning formulations and metal surface treatments.

STORAGE & HANDLING

Ammonium Hydroxide must be stored in a cool, well-ventilated area away from direct sunlight to prevent pressure buildup and decomposition. Proper containment is vital because the product is corrosive and can cause severe skin burns or respiratory irritation if vapors are improperly vented.

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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.