



DIMMITT SULFUR PRODUCTS

DIMMITT SULFUR PRODUCTS, LTD.

PO BOX 1008

DIMMITT, TX 79027

Telephone (806) 647-2121 Fax (806) 647-2126

TECHNICAL BULLETIN

AMMONIUM HYDROXIDE, 19%-19.5% WT. % SOLUTION
REAGENT GRADE

IDENTIFICATION:

Name of product:	Ammonium hydroxide
Synonyms:	Aqua ammonia
Formula:	NH ₄ OH
Molecular Weight:	35.05
C.A.S. Number:	1336-21-6

SHIPPING INFORMATION:

DOT ID Number:	UN 2672
DOT Classification:	Corrosive
Packaging:	III
Shipping Name:	Ammonia solutions
Containers:	Tank truck, totes, and drums

TYPICAL ANALYSIS:

Appearance and odor:	Pale, clear liquid; strong ammonia odor
Assay, (NH ₃) (by wt) %:	19 – 19.5
pH:	Not available
Specific gravity / density:	0.926 (19% solution)
Iron (as Fe) ppm:	<2 ppm

Reagent Grade material is made using de-ionized water and meets the American Chemical Society specifications for Aqua Ammonia.

NOTICE: THE DATA AND INFORMATION IN THIS BULLETIN ARE TO THE BEST OF DIMMITT SULFUR PRODUCT'S KNOWLEDGE COMPLETE, ACCURATE AND CORRECT. HOWEVER, NO REPRESENTATIONS OR WARRANTIES, WRITTEN OR ORAL, EXPRESS OR IMPLIED, ARE MADE BY DIMMITT SULFUR PRODUCTS, LTD. AS TO SUCH DATA AND INFORMATION OR THAT THE GOODS MENTIONED HEREIN ARE SUITABLE FOR ANY PARTICULAR PURPOSE OR MERCHANTABILITY, OR THAT SUCH GOODS ARE FREE FROM ANY PATENT INFRINGEMENT. PURCHASERS SHOULD SATISFY THEMSELVES OF THE SUITABILITY OF ANY SUCH GOODS FOR THE PURPOSE INTENDED PRIOR TO PURCHASE. THE USER SHOULD NOT ASSUME THAT ALL SAFETY MEASURES ARE INDICATED OR THAT OTHER MEASURES MAY NOT BE REQUIRED.

10/03



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TECHNICAL BULLETIN

AMMONIUM HYDROXIDE, 28-30 WT. % SOLUTION

(AQUA AMMONIA)

IDENTIFICATION:

Name of Product:	Ammonium Hydroxide, Solution
Synonyms:	Aqua Ammonia
Formula:	NH ₄ OH
Molecular Weight:	35.05
C.A.S. No.:	1336-21-6

SHIPPING INFORMATION:

DOT ID No.:	UN 2672
DOT Classification:	Corrosive
Packaging:	III
Shipping Name:	Ammonia Solutions
Containers:	Tank Truck, Totes, and Drums

TYPICAL ANALYSIS:

Appearance and Odor:	Pale, clear liquid, strong ammonia odor
Assay:	28% - 30%
pH:	Not available
Specific Gravity / Density:	.8930 g / cm ³
Boiling Point:	36°C @ 760.00 mm Hg
Freezing / Melting Point:	-77°C

PROPERTIES:

-incompatible with acrolein, acrylic acid, chlorosulfonic acid, hydrochloric acid, hydrofluoric acid, nitric acid, sulfuric acid and other materials.
-forms explosive compounds with many heavy metals and halide salts.

MARKET AND USES:

Detergents
Bleaching
Manufacturing of ammonium salts
Water Treatment

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