

PRODUCT PROFILE

AQUA AMMONIA INDUSTRIAL GRADE AMMONIUM HYDROXIDE

DESCRIPTION

Aqua Ammonia (NH₄OH) is a clear and colorless, low vapor pressure liquid product manufactured to the following specifications:

CHEMICAL PROPERTIES

PROPERTY	SPECIFICATIONS**
Appearance	Colorless, Water White
Assay* (NH ₃)	19%, 23%, & 29.45%
Residue after ignition	20 ppm maximum
Carbon Dioxide	20 ppm maximum
Chloride	0.5 ppm maximum
Phosphate	2 ppm maximum
Total Sulfur - (as SO ₄)	2 ppm maximum
Heavy Metals (as Pb)	0.5 ppm maximum
Iron	0.2 ppm maximum
Substances Reducing Permanganate	Pass

NSF Tested and Certified In Accordance with Standard 60

* *Standard concentrations, custom strengths are available meeting the same specifications.*

** *Hill Brothers' Aqua Ammonia meets or exceeds all above specifications by independent laboratory test.*

PHYSICAL PROPERTIES

PROPERTY	TYPICAL PROPERTIES		
	19%	23%	29.45%
Specific Gravity at 60°F	0.929	0.917	0.897
Pounds per gallon at 60°F	7.74	7.63	7.47
Boiling Point @ Sea Level	120.6°F	106.0°F	85.6°F

SAFETY AND HANDLING

Ammonium hydroxide is classified as a hazardous material by government regulators, due to its high alkalinity and corrosiveness. Ammonia vapors from aqua ammonia can be suffocating and irritating to mucous membranes and lung tissue. Hill Brothers, as a basic manufacturer of ammonium hydroxide, attest that the product meets all pertinent specifications, but accepts no responsibility for its end use. Although this product meets specifications, this in no way mitigates the hazards inherent in this product. Proper safety equipment and other safety concerns must be observed. Refer to the Aqua Ammonia Material Safety Data Sheet for current information.

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The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

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