

# PRODUCT SPECIFICATIONS

## Anhydrous Ammonia Refrigeration Grade



### PRODUCT DESCRIPTION

Anhydrous Ammonia (NH<sub>3</sub>) is a colorless liquid compressed gas. The vapor is lighter than air with an extremely pungent odor. Refrigeration Grade Anhydrous Ammonia is manufactured to the following specifications.

### CHEMICAL AND PHYSICAL PROPERTIES

PROPERTY	SPECIFICATIONS	TYPICAL/VALUE
Ammonia .....	99.99% min .....	99.996%
Water .....	0.01% max .....	0.004%
Oil .....	5 ppm max .....	1 ppm
Specific Gravity .....		.618 @ 60°F
Pounds Per Gallon .....		5.146 @ 60°F
Boiling Point .....		-28°F
Freezing Point .....		-108°F
Vapor Pressure .....		93 psig @ 60°F
Temperature (°F/°C) .....	30/-1.1 .....	60/15.5 .....
	90/32.2 .....	120/48.9
Vapor Pressure (psig) ...	45 .....	93 .....
	166 .....	272

### SAFETY AND HANDLING

Anhydrous Ammonia liquid and vapor are strong irritants to the skin, eyes, mucous membranes, and respiratory system. Direct exposure will cause serious injury and possible death. When handling ammonia, proper personal safety equipment must be worn at all times. Personnel handling ammonia shall be fully trained in the areas of properties of ammonia, safe handling techniques, safety equipment, first aid, and emergency procedures. Refer to your Anhydrous Ammonia SDS for more detailed safety handling and equipment information.



Certified to  
NSF/ANSI 60

Maximum use level under NSF/ANSI Standard 60  
Anhydrous Ammonia.....10mg/L

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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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