

PRODUCT PROFILE

ANHYDROUS AMMONIA REFRIGERATION GRADE

DESCRIPTION

Anhydrous Ammonia (chemical formula - NH₃) 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 MSDS for more detailed safety handling and equipment information.



Maximum use level under NSF/ANSI Standard 60
Anhydrous Ammonia.....5mg/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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