

# AMMONIA (NH3) CGA-660

A color, flammable liquefied gas with a pungent odor.

**Toxicity:** Toxics; irritating and destructive to tissues; contact with the skin causes severe burns.  
**TWA:** 25ppm (ACGIH)  
**Fire Potential:** Flammable  
**Flammable Limits:** 15% - 28%

**Compatible Material:** In the presence of trace amounts of water, ammonia vigorously attacks copper, silver, zinc, and their alloys. Iron and steel are recommended. Combines with mercury to form

explosive compounds.  
**Molecular Weight:** 17.03  
**Specific Volume at 70°F and 1 atm:** 22.5 ft<sup>3</sup>/lb  
**DOT Label:** Nonflammable Gas  
**DOT Hazard Class:** Nonflammable Gas (2.2)  
**DOT ID No.:** UN 1005  
**Cas No.:** 7664-4-7  
**CYLINDER DATA:** CGA Valve Outlet for Research Purity 660

**\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.**

## AMMONIA, Electronic Grade 5.0

**Minimum Purity 99.999%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
012	02121012S	8 Pounds	114 P.S.I.	H <sub>2</sub> O < 33, N <sub>2</sub> < 40
244	02121244S	50 Pounds	114 P.S.I.	O <sub>2</sub> + Ar < 10 CH <sub>4</sub> < 10

## AMMONIA, Anhydrous Grade 4.0 (Liquid Phase)

**Minimum Purity 99.99%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
004	01040004S	4 Pounds	114 P.S.I.	H <sub>2</sub> O < 100
100	01040100S	100 Pounds	114 P.S.I.	CGA-705
150	01040150S	150 Pounds	114 P.S.I.	

## AMMONIA, CORROSIVE GAS REGULATORS

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05382011C	Western	HSS1	0-25	Single Stage Stainless Steel
05382012 C	Western	HSS2	0-50, 0-100, 0-250	Dual Stage Stainless Steel

**To place an order, call 860-278-2376**