

Transportation Information

UN Number: 1005



Shipping Name	Ammonia, Anhydrous	Ammonia, Anhydrous, Liquefied	Ammonia, Anhydrous
Hazard Class	2.2	2.3 (8)	2.2
Label	Nonflammable Gas, Inhalation Hazard	Poison Gas, Gas	Nonflammable Gas

(M)SDS Reference

P-4562

CAS Number

7664 - 41 - 7

General Description

Colorless, toxic, corrosive, liquefied gas with a sharp, intensely irritating odor.

Product Grade	Purity	Part Number	Cylinder	O ₂ + Ar	N ₂	H ₂ O	CO ₂	CO	H ₂	CH ₄	Metals
Semiconductor, 6.5	99.99995%	AM 6.5SP	K, AS	50 ppb	–	200 ppb	100 ppb	50 ppb	100 ppb	50 ppb	See Below ⁽¹⁾
Semiconductor, 5.5	99.9995%	AM 5.5SP	K, AS	0.5	1	1	–	0.1	–	0.5	–
Research, 5.0	99.999%	AM 5.0RS	K, AS, Q, G	2	3	2	–	0.5	–	3	–
Anhydrous, 4.5	99.995%	AM 4.5	K, FA, Q, G	–	–	–	–	–	–	–	–

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

⁽¹⁾ Metals – Sb, Ca, Cd, Cr, Cu, Ga, Ge, Au, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Si, Na, Sn. All < 10 ppb/w each.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
FA	Low Pressure Steel	52 x 15 (132.1 x 38.1)	240	114 (7.86)	150 (68.0)	300 (136)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	240, 705/720	114 (7.86)	50 (22.7)	183 (83)
Q	High Pressure Steel	31 x 7 (78.7 x 17.8)	240, 705/720	114 (7.86)	15 (6.8)	80 (36)
G	High Pressure Steel	20 x 6 (50.8 x 15.2)	240, 705/720	114 (7.86)	8 (3.63)	40 (18)
AS	High Pressure Aluminum	48 x 8 (121.9 x 20.3)	705/720	114 (7.86)	30 (13.6)	80 (36)

Equipment Recommendations

Semiconductor, 6.5	Valve panels, gas cabinets
Semiconductor, 5.5	Valve panels, gas cabinets
Research, 5.0	Valve panels, gas cabinets, 4000 series corrosive regulator
Anhydrous, 4.5	Valve panels, gas cabinets, 4000 series corrosive regulator, 4008 series regulator



UltraPurge™ 400 Gas Cabinet Series
(see page E-306)