

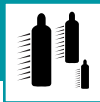


## Pure Gases in Matheson Lecture Bottles

The Matheson Lecture Bottle is the original transportable cylinder. Currently, Matheson provides many of our Pure Gases in lecture bottles.

The lecture bottle can hold just about any gas that is available including hydrocarbons, free & inert gases, chemical and corrosive gases.

Gas	Grade	Item Code	Contents		Cylinder Pressure psig @70°F	Valve Outlet CGA No.
			US	Metric		
Air	Ultra Zero	<b>G2001375</b>	2 ft <sup>3</sup>	56 L	1,775	170
Ammonia	Anhydrous	<b>G1501275</b>	0.375 lb	170 gm	114	170
Argon	Matheson	<b>G1811181</b>	1.9 ft <sup>3</sup>	54 L	1,800	580
	Ultra High Purity	<b>G1901175</b>	1.8 ft <sup>3</sup>	52 L	1,775	170
Boron Trichloride	CP	<b>G1502186</b>	1 lb	454 gm	4	180
Boron Trifluoride	CP	<b>G1503175</b>	0.375 lb	170 gm	1,600	180
1,3 Butadiene	Instrument	<b>G2429175</b>	0.375 lb	170 gm	21	170
	CP	<b>G1311175</b>	0.375 lb	170 gm	21	170
n-Butane	Ultra High Purity	<b>G1905075</b>	0.375 lb	170 gm	17	170
	Instrument	<b>G2423175</b>	0.375 lb	170 gm	17	170
	CP	<b>G1317275</b>	0.375 lb	170 gm	17	170
1-Butene	CP	<b>G1323175</b>	0.375 lb	170 gm	23	170
2-Butene ( <i>cis &amp; trans</i> )	Technical	<b>G1338175</b>	0.375 lb	170 gm	14	170
2-Butene ( <i>cis</i> )	Technical	<b>G1328175</b>	0.375 lb	170 gm	13	170
2-Butene ( <i>trans</i> )	Technical	<b>G1333175</b>	0.375 lb	170 gm	15	170
Carbon Dioxide	CP	<b>G1123175</b>	0.5 lb	227 gm	838	170
	Anaerobe Purity	<b>G1123275</b>	0.5 lb	227 gm	838	170
Carbon Monoxide	Ultra High Purity	<b>G1918775</b>	1.6 ft <sup>3</sup>	45 L	1,500	170
	CP	<b>G1132275</b>	1.6 ft <sup>3</sup>	45 L	1,500	170
	Technical	<b>G1132175</b>	1.6 ft <sup>3</sup>	45 L	1,500	170
Chlorine	Ultra High Purity	<b>G1919175</b>	1 lb	454 gm	85	180
Dimethylamine	CP	<b>G1522175</b>	0.375 lb	170 gm	26	180
Dimethylether	CP	<b>G1410175</b>	0.375 lb	170 gm	62	170
Ethane	Research	<b>G2243181</b>	0.33 lb	150 gm	543	350
	Matheson	<b>G1827181</b>	0.33 lb	150 gm	543	350
	Ultra High Purity	<b>G1920175</b>	0.25 lb	113 gm	544	170
	CP	<b>G1353275</b>	0.25 lb	113 gm	544	170
	Technical	<b>G1353175</b>	0.25 lb	113 gm	544	170
Ethylene	Research	<b>G2250181</b>	0.31 lb	140 gm	1,200	350
	Matheson	<b>G1827182</b>	0.31 lb	140 gm	1,200	350
	Ultra High Purity	<b>G1920875</b>	0.25 lb	113 gm	1,200	170
	CP	<b>G1358275</b>	0.25 lb	113 gm	1,200	170
	Technical	<b>G1358175</b>	0.25 lb	113 gm	1,200	170
	Polymer	<b>G1358475</b>	0.25 lb	113 gm	1,200	170
Helium	Ultra High Purity	<b>G1929175</b>	1.8 ft <sup>3</sup>	52 L	1,775	170
Hexafluoropropylene	CP	<b>G1466675</b>	1 lb	454 gm	85	170
Hydrogen	Ultra High Purity	<b>G1939175</b>	1.8 ft <sup>3</sup>	52 L	1,775	170
Hydrogen Bromide	CP	<b>G1528175</b>	1 lb	454 gm	320	180
Hydrogen Chloride	Technical	<b>G1531175</b>	0.5 lb	227 gm	613	180
Hydrogen Fluoride	Ultra High Purity	<b>G1534175</b>	0.5 lb	227 gm	1	180
	CP	<b>G1534375</b>	0.5 lb	227 gm	1	180
Hydrogen Sulfide	CP	<b>G1540275</b>	0.5 lb	227 gm	252	180
	Technical	<b>G1540175</b>	0.5 lb	227 gm	252	180

**Complete Gas Listing****Pure Gases in Matheson Lecture Bottles (continued)**

Gas	Grade	Item Code	Contents		Cylinder Pressure psig @70°F	Valve Outlet CGA No.
			US	Metric		
Isobutane	Research	<b>G2257181</b>	0.44 lb	200 gm	31	510
	Ultra High Purity	<b>G1931175</b>	0.375 lb	170 gm	31	170
	Instrument	<b>G2457175</b>	0.375 lb	170 gm	31	170
	CP	<b>G1363175</b>	0.375 lb	170 gm	31	170
Isobutylene	CP	<b>G1365175</b>	0.375 lb	170 gm	24	170
Methane	Research	<b>G2271181</b>	1.9 ft <sup>3</sup>	54 L	1,800	350
	Matheson	<b>G1861181</b>	1.9 ft <sup>3</sup>	54 L	1,800	350
	Ultra High Purity	<b>G1949175</b>	1.8 ft <sup>3</sup>	52 L	1,775	170
Methyl Chloride	CP	<b>G1471175</b>	0.5 lb	227 gm	73	170
Methyl Mercaptan	CP	<b>G1546175</b>	0.5 lb	227 gm	15	180
Monomethylamine	CP	<b>G1552175</b>	0.375 lb	170 gm	29	180
Neon	Ultra High Purity	<b>G1159275</b>	0.88 ft <sup>3</sup>	25 L	825	180
Nitrogen	Matheson	<b>G1881181</b>	1.9 ft <sup>3</sup>	54 L	1,800	580
	Ultra High Purity	<b>G1959175</b>	1.8 ft <sup>3</sup>	52 L	1,775	170
Nitrous Oxide	Ultra High Purity	<b>G1969175</b>	0.5 lb	227 gm	745	170
	CP	<b>G1570175</b>	0.5 lb	227 gm	745	170
Oxygen	Matheson	<b>G1885181</b>	1.7 ft <sup>3</sup>	47 L	1,600	540
	Ultra High Purity	<b>G1979175</b>	1.7 ft <sup>3</sup>	47 L	1,600	170
Propane	Research	<b>G2285181</b>	0.38 lb	175 gm	109	510
	Ultra High Purity	<b>G1980575</b>	0.313 lb	142 gm	110	170
	Instrument	<b>G2471175</b>	0.313 lb	142 gm	110	170
Propylene	Matheson	<b>G1887181</b>	0.38 lb	175 gm	136	510
	Ultra High Purity	<b>G1981375</b>	0.313 lb	142 gm	133	170
Sulfur Dioxide	Anhydrous	<b>G1585275</b>	1 lb	454 gm	34	180
Sulfur Hexafluoride	Instrument	<b>G2485175</b>	0.5 lb	227 gm	320	170
	CP	<b>G1186175</b>	0.5 lb	227 gm	320	170
Sulfur Tetrafluoride	CP	<b>G1588275</b>	1 lb	454 gm	140	180
Trimethylamine	CP	<b>G1594175</b>	0.375 lb	170 gm	13.3	180
Xenon	Research	<b>G2191175</b>	0.88 ft <sup>3</sup>	25 L	600	580

⚠ WARNING: This product can expose you to chemicals including 1,3-Butadiene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Methyl Chloride, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Nitrous Oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠ WARNING: This product can expose you to chemicals including Sulfur Dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).