

# LIQUEFIED GAS CONVERSION CHART

shared/hazmat/Business Plan-compressed gas/GasConversionChart

Product Name	Cubic Feet / Pound	Pounds / Gallon	Cubic Feet / Gallon
<p style="text-align: center;"><b><u>Acetylene</u></b></p> UN/NA: 1001 CAS: 514-86-2	14.70	4.90	72.03
<p style="text-align: center;"><b><u>Air</u></b></p> UN/NA: 1002 CAS: n/a	13.30	7.29	96.96
<p style="text-align: center;"><b><u>Ammonia</u></b> <b><u>Anhydrous</u></b></p> UN/NA: 1005 CAS: 7664-41-7	20.78	5.147	106.95
<p style="text-align: center;"><b><u>Argon</u></b></p> UN/NA: 1006 CAS: 7440-37-1	9.71	11.63	112.92
<p style="text-align: center;"><b><u>Butane</u></b></p> UN/NA: 1075 CAS: 106-97-8	6.34	4.86	30.81
<p style="text-align: center;"><b><u>Carbon</u></b> <b><u>Dioxide</u></b></p> UN/NA: 2187 CAS: 124-38-9	8.74	8.46	73.94
<p style="text-align: center;"><b><u>Chlorine</u></b></p> UN/NA: 1017 CAS: 7782-50-5	5.38	11.73	63.10
<p style="text-align: center;"><b><u>Ethane</u></b></p> UN/NA: 1045 CAS: 74-84-0	12.51	2.74	34.27
<p style="text-align: center;"><b><u>Ethylene</u></b> <b><u>Oxide</u></b></p> UN/NA: 1040 CAS: 75-21-8	8.78	7.25	63.66
<p style="text-align: center;"><b><u>Fluorine</u></b></p> UN/NA: 1045 CAS: 7782-41-4	10.17	12.60	128.14
<p style="text-align: center;"><b><u>Helium</u></b></p> UN/NA: 1046 CAS: 7440-59-7	97.09	1.043	101.26
<p style="text-align: center;"><b><u>Hydrogen</u></b></p> UN/NA: 1049 CAS: 1333-74-0	192.00	0.592	113.66

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<b><u>Hydrogen Chloride</u></b> UN/NA: 1050 CAS: 7647-01-0	10.60	8.35	88.51
<b><u>Krypton</u></b> UN-NA: 1056 CAS: 7439-90-9	4.60	20.15	92.69
<b><u>Methane</u></b> UN/NA: 1971 CAS: 74-82-8	23.61	3.55	83.81
<b><u>Methyl Bromide</u></b> UN/NA: 1062 CAS: 74-83-9	4.03	5.37	21.64
<b><u>Neon</u></b> UN/NA: 1065 CAS: 7440-01-9	19.18	10.07	193.14
<b><u>Mapp Gas</u></b> UN/NA: 1060 CAS: n/a	9.20	4.80	44.16
<b><u>Nitrogen</u></b> UN/NA: 1066 CAS: 7727-37-9	13.89	6.75	93.75
<b><u>Nitrous Oxide</u></b> UN/NA: 1070 CAS: 10024-97-2	8.73	6.45	56.31
<b><u>Oxygen</u></b> UN/NA: 1072 CAS: 7782-44-7	12.05	9.52	114.72
<b><u>Propane</u></b> UN/NA: 1075 CAS: 74-98-6	8.45	4.22	35.65
<b><u>Sulfur Dioxide</u></b> UN/NA: 1079 CAS: 7446-09-5	5.94	12.0	71.28
<b><u>Xenon</u></b> UN-NA: 2036 CAS: 7440-63-3	2.93	25.51	74.74

# REFRIGERANTS

Product Name	Conversions	Gallons / 30 lbs	ft <sup>3</sup> / 30 lbs
<b><u>R-12</u></b> Dichlorodifluoromethane	11.10 lbs / gal 34.60 ft <sup>3</sup> / gal	2.70	93.42
<b><u>R-13</u></b> Chlorotrifluoromethane	7.55 lbs / gal 27.25 ft <sup>3</sup> / gal	3.97	108.18
<b><u>R-13B1</u></b> Bromotrifluoromethane	13.10 lbs / gal 34.00 ft <sup>3</sup> / gal	2.29	77.86
<b><u>R-22</u></b> Chlorodifluoromethane	10.10 lbs / gal 43.56 ft <sup>3</sup> / gal	2.97	129.37
<b><u>R-115</u></b> Chloropentafluoroethane	10.90 lbs / gal 30.50 ft <sup>3</sup> / gal	2.75	83.88
<b><u>R-123</u></b> 2,2-Dichloro-1,1,1-Trifluoroethane	12.20 lbs / gal 46.90 ft <sup>3</sup> / gal	2.46	115.37
<b><u>R-134</u></b> 1,1,1,2-Tetrafluoroethane	8.20 lbs / gal 25.30 ft <sup>3</sup> / gal	3.66	92.60
<b><u>R-142b</u></b> Chlorodifluoroethane	9.35 lbs / gal 34.40 ft <sup>3</sup> / gal	3.21	110.42
<b><u>R-152a</u></b> Difluoroethane	7.59 lbs / gal 44.40 ft <sup>3</sup> / gal	3.95	175.38
<b><u>R-401a (MP-39)</u></b> Chlorodifluoromethane 53% 1,1-Difluoroethane 13% 2-Chloro-1,1,1,2-Tetrafluoroethane 34%	10.00 lbs / gal 23.90 ft <sup>3</sup> / gal	3.00	71.70
<b><u>R-401b (MP-66)</u></b> Chlorodifluoromethane 61% 1,1-Difluoroethane 11% 2-Chloro-1,1,1,2-Tetrafluoroethane 28%	10.00 lbs / gal 23.20 ft <sup>3</sup> / gal	3.00	69.60
<b><u>R-402a (HP-80)</u></b> Pentafluoroethane 60% Chlorodifluoromethane 38% Propane 2%	9.60 lbs / gal 23.30 ft <sup>3</sup> / gal	3.13	72.93
<b><u>R-402b (HP-81)</u></b> Pentafluoroethane 38% Chlorodifluoromethane 60% Propane 2%	9.50 lbs / gal 23.10 ft <sup>3</sup> / gal	3.16	73.00
<b><u>R-404a (HP-62, FX-70)</u></b> Pentafluoroethane 44% 1,1,1-Trifluoroethane 52% 1,1,1,2-Tetrafluoroethane 4%	8.80 lbs / gal 21.30 ft <sup>3</sup> / gal	3.41	72.63

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<b><u>R-407c (AC 9000)</u></b> Pentafluoroethane 25% 1,1,1,2-Tetrafluoroethane 52% Difluoromethane 23%	9.50 lbs / gal 23.00 ft <sup>3</sup> / gal	3.16	72.68
<b><u>R-408a (FX-10)</u></b> Chlorodifluoroethane 47% 1,1,1-Trifluoroethane 46% Pentafluoroethane 7%	8.70 lbs / gal 20.50 ft <sup>3</sup> / gal	3.45	70.73
<b><u>R-409a (FX-56)</u></b> Chlorodifluoromethane 60% 1-Chloro-1,1,-Difluoroethane 15% 2- Chloro-1,1,1,2-Tetrafluoroethane 25%	10.10 lbs / gal 24.60 ft <sup>3</sup> / gal	2.97	73.06
<b><u>R-410a (AZ-20, PURON, SUVA 9100)</u></b> Pentafluoroethane 50% Difluoromethane 50%	8.90 lbs / gal 21.60 ft <sup>3</sup> / gal	3.37	72.79
<b><u>R-500</u></b> Dichlorodifluoromethane 73.8% Difluoroethane 26.2%	9.80 lbs / gal 37.30 ft <sup>3</sup> / gal	3.06	114.14
<b><u>R-502</u></b> Chlorodifluoromethane 48.4% Chloropentafluoroethane 51.2%	10.30 lbs / gal 35.50 ft <sup>3</sup> / gal	2.91	103.31
<b><u>R-503</u></b> Dichlorodifluoromethane 60% Chloropentafluoroethane 40 %	6.86 lbs / gal 30.20 ft <sup>3</sup> / gal	4.37	131.97
<b><u>R-504</u></b> Chlorodifluoromethane 50% Chloropentafluoroethane 50%	9.02 lbs / gal 43.60 ft <sup>3</sup> / gal	3.33	145.19
<b><u>R-505</u></b> Dichlorodifluoromethane 50% Chlorotrifluoromethane 50%	10.77 lbs / gal 39.40 ft <sup>3</sup> / gal	2.79	109.93
<b><u>R-506</u></b> Chlorotrifluoromethane 50% R-114 50%	10.70 lbs / gal 43.10 ft <sup>3</sup> / gal	2.80	120.68
<b><u>R-507 (AZ-50)</u></b> Pentafluoroethane 50% 1,1,1-Trifluoroethane 50%	9.00 lbs / gal 21.80 ft <sup>3</sup> / gal	3.33	72.59