

Gas Chart

Gas	Chemical Symbol	Color	Smell	Molecular Weight	Vapor Density (kg/m ³)	% in Atmosphere	Risks	LEL%	UEL%	Recommended Detector Mounting Height
Acetylene	C ₂ H ₂	Colorless	Odorless	26	1.092	NA	Flammable	2.5	100	Breathing Level (4-6 ft)
Ambient Air	—	Colorless	Odorless	29	1.205	100%	NA	NA	NA	NA
Ammonia	NH ₃	Colorless	Pungent Odor	17	0.6	NA	Toxic	15	28	Roughly 12" from ceiling
Argon	Ar	Colorless	Odorless	39.95	1.661	.934%	Asphyxiant	NA	NA	Breathing Level (4-6 ft)
Butane	C ₄ H ₁₀	Colorless	Odorless	58.12	2.5436	NA	Flammable	1.8	8.4	Roughly 12" from floor
Carbon Dioxide	CO ₂	Colorless	Odorless	44.01	1.842	.0310%	Asphyxiant/Toxic	NA	NA	Roughly 12" from floor
Carbon Monoxide	CO	Colorless	Tasteless / No Smell	28.0101	1.14	NA	Toxic/Poisonous	12.5	74	Breathing Level (4-6 ft)
Chlorine	Cl ₂	Green/Yellow	Pungent Odor	35.453	2.898	NA	Toxic/Oxidizer	NA	NA	Roughly 12" from floor
Chlorine Dioxide	ClO ₂	Green/Yellow	Pungent Odor	67.452	9.99	NA	Oxidizer	NA	NA	Roughly 12" from floor
Ethanol	C ₂ H ₆ O	Colorless	Pungent Taste	46.1	1.59	NA	Flammable	3.3	19	Roughly 12" from floor
Helium	HE	Colorless	Odorless	4.02	.0664	.00052%	Asphyxiant	NA	NA	Breathing Level (4-6 ft)
Hydrogen	H ₂	Colorless	Odorless	2	.0899	.000050%	Flammable	4	75	Roughly 12" from ceiling
Hydrogen Sulfide	H ₂ S	Colorless	Pungent Odor	34.081	1.53	NA	Toxic	4	44	Roughly 12" from floor
Methane	CH ₄	Colorless	Odorless	16	.55	.0002%	Flammable	5	15	Roughly 12" from ceiling
Nitrogen	N ₂	Colorless	Odorless	28.02	1.165	78.084%	Asphyxiant	NA	NA	Breathing Level (4-6 ft)
Nitrogen Dioxide	NO ₂	Red/Orange	Pungent Odor	46.006	3.66	NA	Toxic/Poisonous	NA	NA	Breathing Level (4-6 ft)
Oxygen	O ₂	Colorless	Odorless	32	1.331	20.948%	Oxidizer	NA	NA	Breathing Level (4-6 ft)
Ozone	O ₃	Colorless/blue	Pungent Odor	47.9982	2.14	0.000006	Toxic/Oxidizer	NA	NA	Roughly 12" from floor
Propane	C ₃ H ₈	Colorless	Odorless	44.1	1.882	NA	Flammable	2.1	9.5	Roughly 12" from floor
Refrigerant R-22	CHCLF ₂	Colorless	Faint Ethereal Odor	86.45	3.66	NA	Asphyxiant	NA	NA	Roughly 12" from floor
Refrigerant R-134A	CH ₂ FCF ₃	Colorless	Faint Ethereal Odor	102	1206	NA	Asphyxiant	NA	NA	Roughly 12" from floor
Refrigerant R410A	CH ₂ F ₂	Colorless	Faint Ethereal Odor	72.58	3	NA	Asphyxiant	NA	NA	Roughly 12" from floor
Sulfur Dioxide	SO ₂	Colorless	Pungent Odor	64.1	2.26	NA	Toxic	NA	NA	Roughly 12" from floor