

Gas Chart

Gas Type	Chemical Symbol	Color	Smell	Molecular Weight	Vapor Density (Air =1)	% in Atmosphere	Risks	LEL%	UEL%	Recommended Detector Mounting Height	Electro-Chemical	Catalytic	NDIR
Acetylene	C ₂ H ₂	Colorless	Odorless	26	0.91	NA	Flammable	2.5	100	Near Ceiling		X	
Ambient Air	—	Colorless	Odorless	29	1	100%	NA	NA	NA	NA			
Ammonia	NH ₃	Colorless	Pungent Odor	17	0.6	NA	Toxic	15	28	Near Ceiling	X	X	
Argon	Ar	Colorless	Odorless	39.95	1.38	.934%	Asphyxiant	NA	NA	Breathing Zone (4-6 ft)	X		
Butane	C ₄ H ₁₀	Colorless	Odorless	58.12	2.11	NA	Flammable	1.8	8.4	~12" Above Floor		X	X
Carbon Dioxide	CO ₂	Colorless	Odorless	44.01	1.52	.040%	Asphyxiant/Toxic	NA	NA	~12" Above Floor			X
Carbon Monoxide	CO	Colorless	Tasteless / No Smell	28.01	0.97	NA	Toxic/Poisonous	12.5	74	Breathing Zone (4-6 ft)	X		
Chlorine	Cl ₂	Green/Yellow	Pungent Odor	35.45	2.47	NA	Toxic/Oxidizer	NA	NA	~12" Above Floor	X		
Chlorine Dioxide	ClO ₂	Green/Yellow	Pungent Odor	67.45	2.33	NA	Oxidizer	NA	NA	~12" Above Floor	X		
Ethanol	C ₂ H ₆ O	Colorless	Pungent Taste	46.1	1.59	NA	Flammable	3.3	19	~12" Above Floor		X	
Helium	He	Colorless	Odorless	4.02	0.14	.00052%	Asphyxiant	NA	NA	Breathing Zone (4-6 ft)			
Hydrogen	H ₂	Colorless	Odorless	2	0.7	.000050%	Flammable	4	75	Near Ceiling	X	X	
Hydrogen Chloride	HCl	Yellowish	Pungent Odor	36.46	1.27	NA	Toxic	NA	NA	~12" Above Floor	X		
Hydrogen Cyanide	HCN	Colorless	Bitter Odor	27.03	0.94	NA	Toxic/Flammable	5.4	46	Near Ceiling	X		
Hydrogen Fluoride	HF	Colorless	Irritating Odor	20.01	0.69	NA	Toxic	NA	NA	Near Ceiling	X		
Hydrogen Peroxide	H ₂ O ₂	Colorless	Slightly Sharp Odor	34	1.1	NA	Toxic	NA	NA	~12" Above Floor	X		
Hydrogen Sulfide	H ₂ S	Colorless	Pungent Odor	34.08	1.19	NA	Toxic	4	44	~12" Above Floor	X		
Methane	CH ₄	Colorless	Odorless	16	.55	.0002%	Flammable	5	15	Near Ceiling		X	X
Methyl Mercaptan	CH ₃ SH	Colorless	Rotten Odor	48.11	1.66	NA	Toxic/Flammable	4.1	21	~12" Above Floor	X		
Nitric Oxide	NO	Colorless	Sharp Odor	30	1.04	NA	Toxic	NA	NA	Breathing Zone (4-6 ft)	X		
Nitrogen	N ₂	Colorless	Odorless	28.01	0.967	78.084%	Asphyxiant	NA	NA	Breathing Zone (4-6 ft)	X		
Nitrogen Dioxide	NO ₂	Red/Orange	Pungent Odor	46.01	2.62	NA	Toxic/Poisonous	NA	NA	Breathing Zone (4-6 ft)	X		
Oxygen	O ₂	Colorless	Odorless	32	1.1	20.948%	Oxidizer	NA	NA	Breathing Zone (4-6 ft)	X		
Ozone	O ₃	Colorless/blue	Pungent Odor	47.99	1.66	0.000006	Toxic/Oxidizer	NA	NA	~12" Above Floor	X		
Propane	C ₃ H ₈	Colorless	Odorless	44.1	1.56	NA	Flammable	2.1	9.5	~12" Above Floor		X	X
Sulfur Dioxide	SO ₂	Colorless	Pungent Odor	64.06	2.25	NA	Toxic	NA	NA	~12" Above Floor	X		