



Name	Chemical Formula	2003 TLV		Flammable Range		Odor	IDLH ppm
		ppm	mg/m ³	LEL air	UEL air		
Acetylene	C ₂ H ₂	Simple Asphyxiant		2.5	100	Ethereal	
Air	N/A	N/A	N/A	N/A	N/A	None	
Ammonia	NH ₃	25	17	16	25	Pungent, Irritating	300
Argon	Ar	Simple Asphyxiant		Nonflammable		None	
Arsine	AsH ₃	0.05	0.16	5.1	78	Garlic-like	3
Boron Trichloride	BCl ₃	None Established		Nonflammable		Pungent, Irritating	100
Boron Trifluoride	BF ₃	C 1.0	C 2.8	Nonflammable		Pungent, Suffocating	25
Butadiene, 1,3-	CH ₂ :CHCH:CH ₂	2.0	4.0	2.0	11.5	Mildly Aromatic	2000
Butane, n-	C ₄ H ₁₀	1000	2377	1.9	8.5	Natural Gas-like	
Butene, 1-	CH ₃ CH ₂ CH:CH ₂	None Established		1.6	10.0	Natural Gas-like	
Carbon Dioxide	CO ₂	5000	9000	Nonflammable		None	40000
Carbon Monoxide	CO	25	29	12	75	None	1200
Chlorine	Cl ₂	0.5	1.0	Nonflammable		Pungent, Irritating	10
Deuterium	D ₂	Simple Asphyxiant		5.0	75	None	
Dichlorosilane	SiH ₂ Cl ₂	None Established		4.7	99	Pungent, Suffocating	100
Disilane	(SiH ₃) ₂	5	13	Unknown, Pyrophoric		Repulsive, Choking	
Ethane	C ₂ H ₆	Simple Asphyxiant		1000	1230	None	
Ethylene	CH ₂ :CH ₂	Simple Asphyxiant		2.7	36	Sweet	
Halocarbon-14	CF ₄	None Established		Nonflammable		None	
Halocarbon-22	CHClF ₂	1000	3537	Nonflammable		Nearly Odorless	
Halocarbon-23	CHF ₃	None Established		Nonflammable		None	
Halocarbon-116	C ₂ F ₆	None Established		Nonflammable		None	
Halocarbon-134A	CF ₃ CH ₂ F	None Established		Nonflammable		Slightly Ethereal	
Halocarbon-218	C ₃ F ₈	None Established		Nonflammable		Slightly Sweet	
Halocarbon-C318	C ₂ H ₂ F ₄	None Established		Nonflammable		None	
Helium	He	Simple Asphyxiant		Nonflammable		None	
Hexane, n-	C ₆ H ₁₄	50	180	1.7	7.7	Mild	
Hydrogen	H ₂	Simple Asphyxiant		4.0	75	None	
Hydrogen Bromide	HBr	C 2.0	C 7	Nonflammable		Irritating	30
Hydrogen Chloride	HCl	C 2.0	C 3	Nonflammable		Pungent, Suffocating	50
Hydrogen Sulfide	H ₂ S	10	14	4.3	46	Rotten Eggs	100