

Gas table

	Formula	Specific Gravity	Cylinder pressure/ Vapor pressure at 20 °C [bar]	Properties	Exposure limit value (German MAK in ppm)	Flammability range [%]	Cylinder Connection DIN 477	Cylinder Connection CEN
Acetylene	C ₂ H ₂	0.906	18	f		2.8-93	3	
Ammonia	NH ₃	0.593	8.6	f,t,c	50	15-28	6	
Argon	Ar	1.38	200/300	i	-	-	6	1
Arsine	AsH ₃	2.718	14.1	f,t	0.05	4-10	1	
Boron Trichloride	BCL ₃	4.045	0.37	t,c			8	
Boron Trifluoride	BF ₃	2.32	68.9	t,c	1		8	
Bromotrifluoromethane	CBrF ₃	2.37	14.4	o	1000		6	
Calibration Gas (non corrosive)		-	150/200	o				14
Calibration Gas (corrosive)		-	150/200	c				
Carbon Dioxide	CO ₂	1.53	57.3	o	5000		6	
Carbon Monoxide	CO	0.967	150	f,t	30	12.5-74	5	
Chlorine	CL ₂	2.479	6.8	t,c	0.5		8	
Chlorodifluoromethane (R22)	CHClF ₂	3.65	31	o	1000		6	
Chloropentafluoroethane (R115)	C ₂ ClF ₅	5.49	8	o			5	
Compressed Air	DL	1	200	o				13
Cyclopropane	C ₃ H ₆	1.49	6.3	f		2.4-10.4	1	
Deuterium	D ₂	0.139	100	f		4-75	1	
Diborane	B ₂ H ₆	0.95	150	f,t	0.1		1	
Ethane	C ₂ H ₆	1.05	37.7	f		3-15.5	1	
Ethylene	C ₂ H ₄	0.975	68.6	f		2.7-34	1	
Fluorine	F ₂	1.312	-	t,c	0,1		8	
Helium	He	0.138	200/300	i			6	1
Hexafluoro Ethane	C ₂ F ₆	4.83	-	i			6	
Hydrogen	H ₂	0.0695	200/300	f		4.0-75.6	1	4
Hydrogen Bromide	HBR	2.71	20	t,c	2		8	
Hydrogen Chloride	HCL	1.266	42.6	t,c	5		8	
Hydrogen Fluoride	HF	1.858	1.03	t,c	3		8	

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Hydrogen Iodide	HI	4.48	7.33	t,c			8	
Hydrogen Sulphide	H ₂ S	1.19	18.2	f,t,c	10	4.3-45.5	5	
Isobutane	IC ₄ H ₁₀	2.09	3.02	f	1000	1.8-8.4	1	
Isobutene	C ₄ H ₈	2.01	2.59	f	1000	1.8-9.6	1	
Krypton	Kr	2.90	200	i	-	-	6	
Methane	CH ₄	0.555	200	f		5-15	1	
Methylamine	CH ₅ N	1.11	3	f,t	10	5-20.7	1	
Methyl Chloride	CH ₃ CL	1.771	4.1	f,t			1	
Methyl Mercaptan	CH ₄ S	1.7	1.7	f,t	0.5	4.1-21	1	
Neon	Ne	0.696	200	i	-	-	6	
Nitrogen	N ₂	0.967	200/300	i			10	1
Nitrogen Dioxide	NO ₂	3	0.962	ox,t,c	5		8	
Nitrogen Monoxide	NO	1.04	50	tc	25		8	
Nitrous Oxide	N ₂ O	1.528	50.6	ox	100		11	
Nitrogen Trifluoride	NF ₃	2.46	100	t			8	
Oxygen	O ₂	1.11	200/300	ox			9	7
Phosphine	PH ₃	1.18	34.6	f,t	0.1		1	
Propane	C ₃ H ₈	1.56	8.4	f	1000	2.1-9.5	1	
Propylene	C ₃ H ₆	1.48	10.3	f		2-11.7	1	
Protective Gas	H ₂ / N ₂	-	200	f			1	4
Silane	SiH ₄	1.11	86	f,t		e	1	
Silicon Dichloride	SiH ₂ CL ₂	3.47	0.65	f,t,c	0.5	4.1-98.8	5	
Sulphur Dioxide	SO ₂	2.27	3.3	t,c	2		7	
Sulphur Hexafluoride	SF ₆	5.13	22.1	i	1000		6	
Synthetic Air	SL	1	200/300	ox			9	7
Tetrafluoro Methane	CF ₄	3.05	up to approx. 137	i			6	
Trifluoro Methane R 23	CHF ₃	2.44	41.8	o			6	
Xenon	Xe	4.56	up to approx. 33	i	-	-	6	

f = flammable

t = toxic

c = corrosive

i = inert

o = other

ox = oxidising