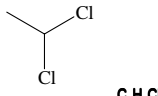
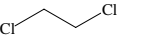
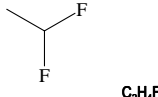
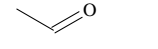

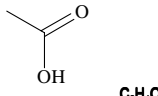
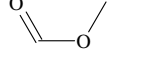
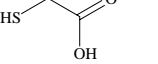
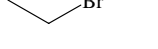


Substance	Chemical Structure	Relative Molar Mass	Melting Point / °C	Antoine Constants A (pressure unit) B C	Vapour Press. at 20 °C /kPa
		Density / g/cm ³	Boiling Point / °C	Range of Validity	at 50 °C /kPa
1,1-Dichloroethane		99,0	-98	6,1102 (p in kPa) 1171,42 -45,03	24,5
1,1-Dichlorethan	C₂H₄Cl₂	1,17	57	258 < T / K < 365	79,1
1,2-Dichloroethane		99,0	-36	6,07712 (p in kPa) 1247,8 -50,15	8,8
1,2-Dichlorethan	C₂H₄Cl₂	1,25	84	279 < T / K < 434	32,1
1,1-Difluoroethane		66,1	-117		
1,1-Difluorethan	C₂H₄F₂		-25		
Acetaldehyde		44,1	-123	6,141 (p in kPa) 1034,5 -43,15	100,7
Acetaldehyd	C₂H₄O	0,78	20	272 < T / K < 294	---
Oxirane		44,0	-113		
Oxiran	C₂H₂O		10		
Acetic acid		60,0	17	7,5596 (p in Torr) 1644,048 233,524	1,6
Essigsäure	C₂H₄O₂	1,05	118	17 < T / °C < 118	7,7
Formic acid methyl ester		60,0	-100	6,22596 (p in kPa) 1088,955 -46,675	64,2
Ameisensäuremethylester	C₂H₄O₂	0,97	32	279 < T / K < 305	---
Mercaptoacetic acid		92,1	-10		
Mercaptoessigsäure	C₂H₄O₂S	1,33	220		
Bromoethane		109,0	-119	6,97391 (p in Torr) 1116,703 234,426	51,3
Bromethan	C₂H₅Br	1,46	38	-74 < T / °C < 38	---

Flash Point / °C	Lower Explosion Limit / g/m ³	Upper Explosion Limit / g/m ³	Limiting O ₂ -Concentr. / Vol%	Stoichiometric Conc. / mol%	Autoignition Temp. / °C	Temperature Class	CAS-Number UN-Number
In Water soluble at 15 °C	/ vol%	/ vol%	p _{max} / kPa	Min. Ign. Energy / mJ	Max. Exp. Safe Gap / mm	Explosion Group	
-10	230	658		7,7	440	T2	75-34-3
no	5,6	16			1,8	IIA	2362
13	173	658		7,7	440	T2	107-06-2
no	4,2	16			1,8	IIA	1184
	110	508	9,7	7,7	455	T1	75-37-6
	4,0	18,5				IIA	1030
<-20	73	1045	8,4	7,7	155	T4	75-07-0
yes	4,0	57	820		0,92	IIA	1089
	48 ⁶⁾	⁶⁾	0	7,7	435	T2	75-21-8
	2,6 ⁶⁾	100 ⁶⁾	1070	0,061	0,59	IIB	1040
39	150	424		9,5	485	T1	64-19-7
	6,0	17	630		1,69	IIA	2789
<-20	125	574		9,5	450	T2	107-31-3
no	5,0	23			0,94	IIA	1243
>110				9,5	350	T2	68-11-1
							1940
⁴⁾	304	512		6,5	510	T1	74-96-4
	6,7	11,3				IIB	1891