VAPOR PRESSURE

This table gives vapor pressure data for about 1700 substances. In order to accommodate elements and compounds ranging from refractory to highly volatile in a single table, the temperature at which the vapor pressure reaches specified pressure values is listed. The pressure values run in decade steps from 1 Pa (about 7.5 μm Hg) to 100 kPa (about 750 mm Hg). All temperatures are given in °C. The symbol "s" following a value indicates that the substance is a solid at that temperature.

The data used in preparing the table came from a large number of sources; the main references used for each substance are indicated. Since the data were refit in most cases, values appearing in this table may not be identical with values in the source cited. The temperature entry in the 100 kPa column is close to, but not identical with, the normal boiling point (which is defined as the temperature at which the vapor pressure reaches 101.325 kPa). Although some temperatures are quoted to 0.1 °C, uncertainties of several degrees should generally be assumed. The footnote "e" indicates that some values were obtained by extrapolation (usually with an Antoine equation) beyond the region for which experimental measurements were available and are thus subject to even greater uncertainty.

More extensive and detailed vapor pressure data on selected important substances appear in other tables in this section of the *Handbook*. These substances are flagged by a footnote.

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Temperature at Which Vapor Pressure Equals the Indicated Value

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Acenaphthene[e]	$C_{12}H_{10}$				126.2	187	276	1
Acenaphthylene	$C_{12}H_8$	24 s	49.8 s	80.6 s				5
Acetaldehyde[e]	C_2H_4O		-105	-87	-62.8	-29.4	20.0	5
Acetamide	C_2H_5NO	16.7 s	39.1 s	65.2 s	102.8	150.8	218.2	5
Acetic acid	$C_2H_4O_2$	-42.8 s	-26.7 s	-8 s	14.2 s	55.9	117.5	1,5
Acetic anhydride[e]	$C_4H_6O_3$	-44	-25	-1	31	75.1	139.7	1
1-Acetonaphthone[e]	$C_{12}H_{10}O$	37	69	107.0	154.6	215.2	294.9	5
2-Acetonaphthone	$C_{12}H_{10}O$	48.3 s		118.7	163.0	221.1	300.3	5
Acetone	C_3H_6O	-95	-81.8	-62.8	-35.6	1.3	55.7	1,5
Acetonitrile[e]	C_2H_3N				-20	21.4	81.2	1
Acetophenone[e]	C_8H_8O			36	73	125.3	201.5	5
Acetyl bromide[e]	C_2H_3BrO	-78	-65	-49	-25	13.9	84	5
Acetyl chloride[e]	C_2H_3ClO	-100	-85	-66	-40	-3.6	50.4	1
Acetylene[a]	C_2H_2			-146.6 s	-130.7 s	-110.6 s	-84.8 s	5
Acetyl fluoride	C_2H_3FO					-64.1	17.0	5
Acetyl iodide[e]	C_2H_3IO				-0.6	47	107.0	5
Acridine	$C_{13}H_9N$			124.4	176.2	246.0	345.4	5
Acrolein[e]	C_3H_4O		-87	-67	-40	-3.0	52.8	1
Acrylamide[e]	C_3H_5NO			109.6	161			5
Acrylic acid[e]	$C_3H_4O_2$				35	78.0	140.7	1
Acrylonitrile[e]	C_3H_3N		-72	-50	-22	17.7	77.0	1
Allene[a]	C_3H_4		-129	-118	-101.4	-76.7	-34.7	5
Allyl alcohol[e]	C_3H_6O	-63	-48	-21.9	6.8	44.5	96.2	5
Allylamine[e]	C_3H_7N		-88	-65	-37	0.4	52	5
Allyl ethyl ether[e]	$C_5H_{10}O$			-56	-28.7	9.8	67.2	5
Allyl glycidyl ether	$C_6H_{10}O_2$				40.1	85.7	152.8	5
Allyl isothiocyanate[e]	C_4H_5NS	-45	-27	-3	32.1	89	198	5
4-Allyl-2-methoxyphenol[e]	$C_{10}H_{12}O_2$	9	37	72	115.9	173.8	252.9	5
Allyltrichlorosilane	$C_3H_5Cl_3Si$					53.0	116.5	5
Aluminum	Al	1209	1359	1544	1781	2091	2517	2
Aluminum borohydride	AlB_3H_{12}				-46.8	-9.4	45.5	4
Aluminum chloride	$AlCl_3$	58.4 s	76.5 s	97.1 s	120.7 s	148.2 s	180.5 s	4
Aluminum fluoride	AlF_3	744 s	819 s	906 s	1008 s	1130 s	1276 s	8
Aluminum iodide	AlI_3				218	285	385	4
Aluminum oxide (α)	Al_2O_3			2122	2351	2629	2975	4
1-Amino-2-propanol[e]	C_3H_9NO			18	53.2	98.2	157.9	5
Ammonia[a]	H_3N	-139 s	-127 s	-112 s	-94.5 s	-71.3	-33.6	1,5,6
Ammonium bromide	BrH_4N	121 s	154 s	195 s	246 s	310.4 s	395.1 s	5
Ammonium chloride	ClH_4N	91 s	121 s	159 s	204.7 s	263.1 s	339.5 s	5
Ammonium iodide	H_4IN	125 s	159 s	201 s	253 s	318.4 s	405.2 s	5
Aniline	C_6H_7N		-2.5	26.7	63.5	112.5	183.5	1,5
Anisole[e]	C_7H_8O		-21	4	38	84	153.2	1,5
Anthracene	$C_{14}H_{10}$	89.2 s	125.9 s	151.5 s	165 s	238.8	340.2	1,5
Antimony	Sb	534 s	603 s	738	946	1218	1585	2,3
Antimony(III) bromide	Br_3Sb				136.5	196.9	286.5	1
Antimony(III) iodide	I_3Sb				214.9	292.0	401.2	4
Antimony(III) oxide (valentinite)	O_3Sb_2	426.1 s	478 s	539 s	610 s	907	1420	4,35
Argon[a]	Ar		-226.4 s	-220.3 s	-212.4 s	-201.7 s	-186.0	1,5,31
Arsenic (gray)	As	280 s	323 s	373 s	433 s	508 s	601 s	3
Arsenic(III) chloride[e]	$AsCl_3$			-8	21.3	63.1	129.4	1
Arsenic(III) fluoride	AsF_3					8.1	56.0	4
Arsenic(III) iodide[e]	AsI_3				187	261	367	7
Arsenic(III) oxide (arsenolite)	As_2O_3	133.7 s	163.0 s	196.8 s	236.2 s	283.0		34
Astatine	At	88 s	119 s	156 s	202 s	258 s	334	2
trans-Azobenzene	$C_{12}H_{10}N_2$			98.1	144.8	206.7	292.7	4
Azulene	$C_{10}H_8$	24.1 s	46 s	71.5 s	103.3	162.6	244.0	5
Barium	Ba	638 s	765	912	1115	1413	1897	9
Benzaldehyde[e]	C_7H_6O		-9	19	54.6	104.6	178.3	1
Benzanthrone[e]	$C_{17}H_{10}O$		184	229.3	290.3	377.2	511	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Benzene[b]	C_6H_6			-40 s	-15.1 s	20.0	79.7	1,5
Benzeneacetonitrile[e]	C_8H_7N	-3	23	55.3	97.4	153.7	233.1	5
1,3-Benzenediamine	$C_6H_8N_2$			94.5	140.2	200.8	285.0	5
Benzeneethanol[e]	$C_8H_{10}O$	2	25	54	92	143.6	217.7	5
Benzenethiol[e]	C_6H_6S		-15	12	47	96.0	168.6	5
1,2,3-Benzenetriol	$C_6H_6O_3$				162.0	222.8	308.3	5
Benzil	$C_{14}H_{10}O_2$			123	175	246	346	4
Benzofuran[e]	C_8H_6O		-16	12	47.9	97.7	170.7	5
Benzoin	$C_{14}H_{12}O_2$				181	248	342	4
Benzonitrile[e]	C_7H_5N		-6	23.9	63.1	115.7	190.0	5
p-Benzoquinone	$C_6H_4O_2$	-4.1 s	17.8 s	43.5 s	74.3 s	111.6 s		5
Benzoyl bromide[e]	C_7H_5BrO	-15	11	42.6	83.9	139.5	218.0	5
Benzoyl chloride	C_7H_5ClO			27.5	67.0	120.4	196.7	5
Benzyl acetate[e]	$C_9H_{10}O_2$	-11	15	46.6	86.9	139.5	211	5
Benzyl alcohol[e]	C_7H_8O	8	28	54	88	134.7	204.9	1
Benzylamine	C_7H_9N			25.6	62.6	112.7	183.9	5
Benzyl ethyl ether[e]	$C_9H_{12}O$		-10	20.4	59.3	111.3	184.5	5
Beryllium	Be	1189 s	1335	1518	1750	2054	2469	2
Beryllium bromide	$BeBr_2$	203 s	240 s	283 s	335 s	397 s	473 s	4
Beryllium chloride	$BeCl_2$	196 s	237 s	284 s	339 s	402 s	487	4
Beryllium fluoride[e]	BeF_2		686	767	869	999	1172	7
Beryllium iodide	BeI_2	188 s	229 s	276 s	333 s	402 s	487	4
Bicyclo[4.1.0]heptane	C_7H_{12}					49.9	116.3	5
Biphenyl	$C_{12}H_{10}$			69.0	111.1	169.5	254.7	1
Bis(2-aminoethyl)amine[e]	$C_4H_{13}N_3$	-10	13	43	80	129.6	198	5
Bis(2-chloroethyl) ether[e]	$C_4H_8Cl_2O$	-32	-9	19.8	56.9	106.9	177.9	5
Bis(2-ethylhexyl) phthalate	$C_{24}H_{38}O_4$	122.0	153.2	189.2	231.3	281.1	341.1	5
Bis(2-hydroxyethyl) sulfide[e]	$C_4H_{10}O_2S$			31	114.2		282.0	5
Bismuth	Bi	668	768	892	1052	1265	1562	2
Bismuth tribromide[d]	$BiBr_3$			217 s	273	348	455	4,9
Bismuth trichloride	$BiCl_3$				248.9	328.6	438.7	1,4
Borane carbonyl	CH_3BO				-124	-99	-64	4
Boron	B	2075	2289	2549	2868	3272	3799	2
Boron tribromide[e]	BBr_3			-45	-15	27.5	90.4	1
Boron trichloride[a]	BCl_3			-94.0	-70.5	-37.4	12.3	4
Boron trifluoride[a]	BF_3	-173.9 s	-166.0 s	-156.0 s	-143.0 s	-125.9	-101.1	4
Bromine[a]	Br_2	-87.7 s	-71.8 s	-52.7 s	-29.3 s	2.5	58.4	1
Bromobenzene[e]	C_6H_5Br		-25	1	34.9	83.1	155.4	1
1-Bromobutane	C_4H_9Br	-68.4	-53.9	-34.1	-5.4	37.6	101.1	1,5
2-Bromobutane, (±)-[e]	C_4H_9Br	-86	-68	-46	-16	26.6	90.7	5
trans-1-Bromo-1-butene[e]	C_4H_7Br	-87	-68	-43.3	-11.4	31.9	94.4	5
2-Bromo-1-butene[e]	C_4H_7Br	-87	-70	-48	-20	20.7	80.6	5
cis-2-Bromo-2-butene[e]	C_4H_7Br	-90	-72	-49.0	-18.5	23.5	85.2	5
trans-2-Bromo-2-butene[e]	C_4H_7Br	-86	-67	-43.4	-12.0	31.0	93.5	5
Bromochlorodifluoromethane[e]	$CBrClF_2$	-136	-123	-106	-83.4	-51.8	-4.3	1
1-Bromo-2-chloroethane	C_2H_4BrCl				-0.4	41.7	105.7	6
Bromochloromethane[e]	CH_2BrCl	-83	-69	-50	-25	11.4	67.7	1
1-Bromo-3-chloropropane[e]	C_3H_6BrCl	-51	-31	-6	28	74.1	142.9	5
2-Bromo-2-chloro-1,1,1-trifluoroethane	$C_2HBrClF_3$				-41.4	-4.8	49.8	1
1-Bromodecane[e]	$C_{10}H_{21}Br$	9	33	63	104	159.2	240.0	5
Bromodifluoromethane	$CHBrF_2$		-128 s	-111.4 s	-89.7 s	-59.7 s	-16 s	5
1-Bromododecane[e]	$C_{12}H_{25}Br$	31	57	90	132	190.8	275.3	5
Bromoethane[e]	C_2H_5Br	-111	-96	-77	-51.3	-15.5	38.0	5
Bromoethene[e]	C_2H_3Br	-124	-110	-92	-68	-34.5	15.4	5
(2-Bromoethyl)cyclohexane[e]	$C_8H_{15}Br$	-14	8	36.9	75.3	129.7	212.5	5
1-Bromoheptane[e]	$C_7H_{15}Br$	-30	-9	18	54	104.4	178.4	5
1-Bromohexane[e]	$C_6H_{13}Br$	-45	-25	2	36	83.7	154.8	5
1-Bromo-4-isopropylbenzene[e]	$C_9H_{11}Br$	-8	15	45	84	138.1	218.5	5
Bromomethane[e]	CH_3Br				-77	-44.3	3.3	1
(Bromomethyl)benzene	C_7H_7Br			25.4	66.8	121.7	198.3	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
1-Bromo-3-methylbutane[e]	$C_5H_{11}Br$	-67	-49	-25	8	52.4	119.9	5
1-Bromo-2-methylpropane[e]	C_4H_9Br	-85	-68	-46	-16	26.8	91.1	5
2-Bromo-2-methylpropane	C_4H_9Br					11.7	72.4	1,5
1-Bromonaphthalene[e]	$C_{10}H_7Br$	17	45	80.3	126.7	189.8	280.5	5
1-Bromooctane[e]	$C_8H_{17}Br$	-17	6	34	72	123.8	200.3	5
Bromopentafluorobenzene[e]	C_6BrF_5			-10	23	68	136.0	5
1-Bromopentane[e]	$C_5H_{11}Br$	-60	-41	-16	16	61.5	129.1	5
2-Bromopentane[e]	$C_5H_{11}Br$	-69	-51	-27	5	49.7	116.9	5
3-Bromopentane[e]	$C_5H_{11}Br$	-68	-50	-26	6	50.8	118.1	5
1-Bromopropane[e]	C_3H_7Br	-95	-78	-57	-28	11.6	70.6	1
2-Bromopropane[e]	C_3H_7Br		-84	-65	-39.6	-1.7	59.1	1,5
cis-1-Bromopropene[e]	C_3H_5Br	-100	-84	-64	-37	1.0	57.4	5
2-Bromopropene[e]	C_3H_5Br	-112	-95	-75	-47	-9	48.0	5
3-Bromopropene[e]	C_3H_5Br	-98	-80	-58	-28	12	69.6	5
Bromosilane	BrH_3Si				-81.0	-47.3	2.2	4
2-Bromotoluene[e]	C_7H_7Br		-10	17	54	104.8	181.1	5
3-Bromotoluene[e]	C_7H_7Br	-34	-11	19.4	58.1	109.9	183.1	5
4-Bromotoluene[e]	C_7H_7Br				57	107.8	183.8	5
Bromotrichloromethane[e]	$CBrCl_3$				-6	38.9	104.4	5
Bromotrifluoromethane[a]	$CBrF_3$	-168	-156	-142	-122.8	-96.6	-58.1	5
1,2-Butadiene[e]	C_4H_6	-132	-117	-98	-72.8	-38.9	10.5	5
1,3-Butadiene[a]	C_4H_6			-106	-83	-51.9	-4.7	1
Butanal[e]	C_4H_8O	-88	-72	-50	-22	16.6	74.5	1,5
Butane[a]	C_4H_{10}	-134.3	-121.0	-103.9	-81.1	-49.1	-0.8	1,41
1,3-Butanediol[e]	$C_4H_{10}O_2$	-4	23	55	94	142.9	206.1	5
1,4-Butanediol[e]	$C_4H_{10}O_2$		45	77	116	164.7	227.6	5
2,3-Butanediol[e]	$C_4H_{10}O_2$		15	43	77	121.2	180.3	5
2,3-Butanedione	$C_4H_6O_2$					30.7	84.8	5
1,4-Butanedithiol[e]	$C_4H_{10}S_2$	-17	5	32	69.1	119.9	195.1	5
Butanenitrile[e]	C_4H_7N	-67	-48	-24	8	52.3	117.2	1
1-Butanethiol[e]	$C_4H_{10}S$	-77	-59	-37	-6	35.4	98.0	5
2-Butanethiol[e]	$C_4H_{10}S$	-86	-69	-47	-17	23.4	84.5	5
Butanoic acid	$C_4H_8O_2$			12.9	52.2	101.4	163.3	1,5
Butanoic anhydride[e]	$C_8H_{14}O_3$	-28	-2	30	71	123.8	196.5	5
1-Butanol[e]	$C_4H_{10}O$	-37	-20	0	28	64	117.4	1
2-Butanol[e]	$C_4H_{10}O$	-50	-34	-14	12.6	48.2	99.2	1,5
2-Butanone[e]	C_4H_8O	-85	-68	-46	-18.1	21.2	79.2	1
2-Butanone oxime[e]	C_4H_9NO		-18	7	38.9	81.9	142.9	5
trans-2-Butenal[e]	C_4H_6O	-74	-56	-33	-3	39.7	102.4	5
1-Butene	C_4H_8	-139.0	-125.2	-107.8	-85.3	-53.7	-6.6	1,5
cis-2-Butene	C_4H_8	-131.2	-117.4	-99.8	-76.7	-44.8	3.4	1,5
trans-2-Butene[e]	C_4H_8			-102	-80	-47.6	0.6	1
cis-2-Butene-1,4-diol[e]	$C_4H_8O_2$	17	44	77	117.4	168.5	234.9	5
trans-2-Butenedioyl dichloride	$C_4H_2Cl_2O_2$			8.0	45.6	94.3	159.8	5
3-Butenenitrile[e]	C_4H_5N	-67	-48	-23.1	9.3	53.7	118.4	5
cis-2-Butenoic acid[e]	$C_4H_6O_2$			30	63	106.7	168.9	5
trans-2-Butenoic acid[e]	$C_4H_6O_2$				74	120.8	184.9	5
3-Butenoic acid[e]	$C_4H_6O_2$	-19	2	27	61	105.6	168.6	5
3-Buten-2-one[e]	C_4H_6O					21	81.0	5
1-Buten-3-yne	C_4H_4			-96.1	-73.4	-41.8	4.9	5
2-Butoxyethanol[e]	$C_6H_{14}O_2$	-31	-8	20	55	103.2	170.2	5
Butyl acetate[e]	$C_6H_{12}O_2$	-63	-43	-19	14	61.0	125.6	1,5
Butyl acrylate[e]	$C_7H_{12}O_2$	-52	-31	-4.5	30.4	78.0	146.9	5
Butylamine[e]	$C_4H_{11}N$			-46	-18.1	20.0	75.9	5
sec-Butylamine[e]	$C_4H_{11}N$			-55	-29.1	7.5	62.3	5
tert-Butylamine[e]	$C_4H_{11}N$			-67	-42.4	-8.1	43.7	5
N-Butylaniline[e]	$C_{10}H_{15}N$	11	35	66	106	160.9	241.0	5
Butylbenzene[e]	$C_{10}H_{14}$	-28	-7	21	56.9	107.6	182.8	1,5
sec-Butylbenzene, (±)-[e]	$C_{10}H_{14}$	-35	-14	13	48	98.3	172.8	5
tert-Butylbenzene[e]	$C_{10}H_{14}$	-37	-16	10	46	94.9	168.6	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Butyl benzoate[e]	$C_{11}H_{14}O_2$	6	34	67.9	110.3	165	237	5
Butylcyclohexane[e]	$C_{10}H_{20}$	-31	-9	18	54	104.7	180.4	5
tert-Butylcyclohexane[e]	$C_{10}H_{20}$	-39	-18	9	45	95.3	171.1	5
Butylcyclopentane[e]	C_9H_{18}	-45	-24	1	36	84	156.1	5
Butylethylamine	$C_6H_{15}N$				6.1	47.7	107.0	5
Butyl ethyl ether[e]	$C_6H_{14}O$	-78	-61	-39	-10	31.0	91.9	1
tert-Butyl ethyl ether[e]	$C_6H_{14}O$	-90	-74	-53	-24.6	14.4	72.6	5
Butyl ethyl sulfide[e]	$C_6H_{14}S$	-49	-30	-5	29	74.8	143.8	5
Butyl formate[e]	$C_5H_{10}O_2$			-29	2	44.4	105.7	5
Butyl methacrylate[e]	$C_8H_{14}O_2$				47	93.3	159.0	5
1-*tert*-Butyl-4-methylbenzene[e]	$C_{11}H_{16}$	-24	-2	27	64.1	115.5	190.8	5
Butyl methyl ether[e]	$C_5H_{12}O$			-54	-27	12	69.8	1
Butyl methyl sulfide[e]	$C_5H_{12}S$		-43	-19	13	57	123.0	1
tert-Butyl methyl sulfide	$C_5H_{12}S$				-7.8	34.7	98.4	5
1-Butylnaphthalene[e]	$C_{14}H_{16}$	67	82	103	135	186.7	288.6	5
2-Butylnaphthalene[e]	$C_{14}H_{16}$	44	67	98	139	197.5	287.4	5
Butyl oleate[e]	$C_{22}H_{42}O_2$	95.5	124.2	158	198	245	304	5
2-Butylphenol[e]	$C_{10}H_{14}O$	7	31	61	101	155.2	234.4	5
Butyl phenyl ether[e]	$C_{10}H_{14}O$	-16	8	38	77	131.3	209.7	5
Butyl stearate[e]	$C_{22}H_{44}O_2$	99.6	128	162	201	249	307	5
Butyltrichlorosilane	$C_4H_9Cl_3Si$					77.2	148.4	5
Butyl vinyl ether[e]	$C_6H_{12}O$	-87	-67	-42	-9.3	33.6	93.2	5
1-Butyne[e]	C_4H_6	-125	-111	-94	-71.2	-39.4	7.8	1
2-Butyne	C_4H_6		-89.2 s	-73.8 s	-53.5 s	-23.9	26.6	5
γ-Butyrolactone[e]	$C_4H_6O_2$		-17	24	72	130.2	203	5
Cadmium	Cd	257 s	310 s	381	472	594	767	2
Cadmium bromide	Br_2Cd	373 s	435 s	509 s				27
Cadmium chloride	$CdCl_2$	412 s	471 s	541 s	634	768	959	12,23,27
Cadmium fluoride	CdF_2				1257	1461	1742	4
Cadmium iodide	CdI_2	296 s	344 s	406	498	622	795	4,27
Cadmium oxide	CdO	770 s	866 s	983 s	1128 s	1314 s	1558 s	4
Calcium	Ca	591 s	683 s	798 s	954	1170	1482	2
Camphene	$C_{10}H_{16}$					90.7	160.1	4
Camphor, (+)	$C_{10}H_{16}O$	-15.8 s	10 s	41.5 s	80.8 s	131.4 s	207.6	5
Caprolactam	$C_6H_{11}NO$	36.8 s	58.9 s	86.6 s			270	5
Carbazole	$C_{12}H_9N$					254.7	354.0	5
Carbon dioxide[a, b]	CO_2	-159.1 s	-148.9 s	-136.7 s	-121.6 s	-103.1 s	-78.6 s	5
Carbon diselenide[e]	CSe_2			-24	9.4	56.2	127	1
Carbon disulfide[e]	CS_2		-96	-76	-49	-10.9	45.9	1
Carbon [fullerene-C_{70}]	C_{70}	598 s	662 s					22
Carbon (graphite)	C		2566 s	2775 s	3016 s	3299 s	3635 s	15
Carbon monoxide[a]	CO			-223 s	-216.5 s	-207.2 s	-191.7	40
Carbon oxyselenide	COSe			-120	-98	-67	-22	4
Carbon oxysulfide[a]	COS			-136	-117	-90.0	-50.4	1
Carbonyl chloride[e]	CCl_2O	-127	-113	-96	-73	-40.6	7.2	5
Carbonyl dicyanide	C_3N_2O				-21.7	15.3	65.2	5
Cerium	Ce	1719	1921	2169	2481	2886	3432	14
Cesium	Cs	144.5	195.6	260.9	350.0	477.1	667.0	13,30
Cesium bromide[d, e]	BrCs	531 s	601 s	701	834	1019	1293	9
Cesium chloride	ClCs			730	864	1043	1297	4
Cesium fluoride	CsF				825	999	1249	4
Cesium iodide	CsI	523 s	595 s	692	854	1029	1278	4,25
Chlorine[a]	Cl_2	-145 s	-133.7 s	-120.2 s	-103.6 s	-76.1	-34.2	1
Chlorine dioxide[a]	ClO_2					-34.3	10.5	5
Chlorine fluoride[a]	ClF				-144.4	-122.6	-90.2	5
Chlorine pentafluoride[e]	ClF_5				-88	-59	-14	7
Chlorine trifluoride	ClF_3				-63.7	-33.0	11.4	5
Chloroacetic acid	$C_2H_3ClO_2$				78.4	123.9	188.9	1
Chloroacetyl chloride	$C_2H_2Cl_2O$			-23.7	5.6	46.1	105.6	5
2-Chloroaniline[e]	C_6H_6ClN		10	39.0	75.2	131.4	208.3	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
3-Chloroaniline[e]	C_6H_6ClN	-5	19.7	49.4	94.2	162	1069	5
2-Chloroanisole[e]	C_7H_7ClO	-22	2	33	72	125.2	201	5
Chlorobenzene[e]	C_6H_5Cl		-43	-17	16.8	62.9	131.3	1,5
2-Chlorobenzoyl chloride[e]	$C_7H_4Cl_2O$				93	149	237.0	5
3-Chlorobenzoyl chloride[e]	$C_7H_4Cl_2O$				87.8	147	225.0	5
2-Chloro-1,3-butadiene[e]	C_4H_5Cl	-113	-95	-71	-41	0.3	59.0	5
1-Chlorobutane[e]	C_4H_9Cl	-87	-71	-49	-21	18.4	78.1	1
2-Chlorobutane[e]	C_4H_9Cl	-96	-80	-59	-31.0	8.5	67.9	1
3-Chloro-1-butene[e]	C_4H_7Cl			-64	-36	4	63.6	5
cis-2-Chloro-2-butene[e]	C_4H_7Cl	-100	-83	-62	-34	6	66.4	5
trans-2-Chloro-2-butene[e]	C_4H_7Cl	-102	-86	-65	-37	3	62.2	5
Chlorocyclohexane[e]	$C_6H_{11}Cl$		-35	-9	25	71.6	142.1	5
1-Chlorodecane[e]	$C_{10}H_{21}Cl$	2	25	54	92	145.7	225.3	5
1-Chloro-1,1-difluoroethane[e]	$C_2H_3ClF_2$		-123	-107	-85.3	-55.4	-10.5	5
Chlorodifluoromethane[a]	$CHClF_2$	-152	-141	-126	-107.1	-80.5	-41.1	5
1-Chloro-2,2-dimethylpropane[e]	$C_5H_{11}Cl$				-17	23.5	83.9	5
1-Chlorododecane[e]	$C_{12}H_{25}Cl$	27	51	81	122	178.7	262.6	5
Chloroethane[e]	C_2H_5Cl	-126	-112	-94	-70	-37.0	12.0	1
2-Chloroethanol[e]	C_2H_5ClO	-61	-39	-12	23	67.1	127.3	5
Chloroethene[e]	C_2H_3Cl	-139	-127	-110	-89	-59.0	-14.1	1
1-Chloro-2-ethylbenzene[e]	C_8H_9Cl	-30	-9	18	54	103.7	177.9	5
1-Chloro-4-ethylbenzene[e]	C_8H_9Cl	-27	-6	22	58	108.7	183.9	5
1-Chloro-1-fluoroethane	C_2H_4ClF				-69.9	-36.1	15.8	5
Chlorofluoromethane[e]	CH_2ClF		-124	-108	-86.2	-55.7	-9.4	5
1-Chloroheptane[e]	$C_7H_{15}Cl$	-39	-19	7	41	88.6	159.9	5
1-Chlorohexane[e]	$C_6H_{13}Cl$	-55	-36	-11	21	66.7	134.6	5
1-Chloro-2-isopropylbenzene[e]	$C_9H_{11}Cl$	-23	-1	27	64	114.6	190.5	5
1-Chloro-4-isopropylbenzene[e]	$C_9H_{11}Cl$		3	31	69	120.5	197.8	5
Chloromethane[a]	CH_3Cl	-140.2 s	-128.6 s	-114.7 s	-96	-67.1	-24.4	1,33
(Chloromethyl)benzene[e]	C_7H_7Cl	-34	-11	17.7	55.4	106.3	178.9	5
2-Chloro-2-methylbutane[e]	$C_5H_{11}Cl$			-52	-21	21.8	85.2	5
3-(Chloromethyl)heptane	$C_8H_{17}Cl$					100.3	172.4	5
Chloromethyl methyl ether[e]	C_2H_5ClO	-96	-80	-59	-32	6	61	5
1-Chloro-2-methylpropane[e]	C_4H_9Cl	-94	-78	-56.6	-28.7	10.2	68.5	5
2-Chloro-2-methylpropane	C_4H_9Cl					-4.2	50.3	5
3-Chloro-2-methylpropene[e]	C_4H_7Cl		-75	-54	-25	13.8	71.5	5
Chloromethylsilane[e]	CH_5ClSi	-129	-115	-97.9	-74.4	-41.5	8.3	5
1-Chloronaphthalene[e]	$C_{10}H_7Cl$	14	39	70.5	112.8	171.6	258.6	5
1-Chloro-4-nitrobenzene[e]	$C_6H_4ClNO_2$	15.4 s	35.8 s		97	156.0	238	5
1-Chloro-2-nitro-4-(trifluoromethyl)benzene[e]	$C_7H_3ClF_3NO_2$	3	26	55	92.8	145.2	222.0	5
1-Chlorononane[e]	$C_9H_{19}Cl$	-11	11	39	76	127.8	204.7	5
1-Chlorooctane[e]	$C_8H_{17}Cl$	-25	-4	23	59	108.8	182.9	5
Chloropentafluoroacetone[e]	C_3ClF_5O	-122	-109	-93	-71	-39.4	7.4	5
Chloropentafluorobenzene[e]	C_6ClF_5		-44	-21	11	53.8	117.6	1
Chloropentafluoroethane	C_2ClF_5					-80.3	-39.4	1
1-Chloropentane[e]	$C_5H_{11}Cl$	-73	-55	-32	-1	42.5	107.9	5
2-Chloropentane, (+)[e]	$C_5H_{11}Cl$	-80	-62	-39	-9	33.2	96.1	5
3-Chloropentane[e]	$C_5H_{11}Cl$	-77	-60	-37	-7	34.9	97.3	5
2-Chlorophenol	C_6H_5ClO				45.8	97.9	173.9	5
3-Chlorophenol	C_6H_5ClO			39.7	80.2	135.1	213.4	5
4-Chlorophenol	C_6H_5ClO			45.0	86.5	142.0	219.9	5
1-Chloropropane[e]	C_3H_7Cl	-106	-90	-71	-44.5	-8.1	46.2	1
2-Chloropropane[e]	C_3H_7Cl		-91	-74	-51.1	-17.8	35.4	1,5
2-Chloro-1-propanol[e]	C_3H_7ClO				23	63.8	125.7	5
cis-1-Chloropropene[e]	C_3H_5Cl	-114	-100	-81	-55	-20.1	32.4	5
trans-1-Chloropropene[e]	C_3H_5Cl		-97	-77	-52	-16.2	37.0	5
2-Chloropropene[e]	C_3H_5Cl	-120	-106	-87	-63	-28.7	22.3	5
3-Chloropropene[e]	C_3H_5Cl	-107	-92	-72.4	-46.3	-9.8	44.6	5
2-Chloropyridine	C_5H_4ClN			7.4	45.8	97.3	169.9	5
2-Chlorostyrene[e]	C_8H_7Cl	-33	-10	20	58	110.8	188	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Chlorosulfonic acid[e]	$ClHO_3S$	-40	-20	5	38.7	85.0	153.6	5
1-Chloro-1,1,2,2-tetrafluoroethane[e]	C_2HClF_4			-110	-87.6	-57.0	-12.1	5
2-Chlorothiophene[e]	C_4H_3ClS		-62	-35	2	51.8	123	5
2-Chlorotoluene[e]	C_7H_7Cl		-24	3	38	86.3	158.7	1,5
3-Chlorotoluene[e]	C_7H_7Cl	-41	-21	6	41	89	161.8	5
4-Chlorotoluene[e]	C_7H_7Cl				40	88.9	161.5	1,5
Chlorotrifluoroethene[e]	C_2ClF_3	-146	-134	-119	-99	-71	-28.4	1
Chlorotrifluoromethane[a]	$CClF_3$	-176	-167	-155	-139	-116	-81.7	5
1-Chloro-2-(trifluoromethyl)benzene[e]	$C_7H_4ClF_3$			1	34.5	81.8	151.8	5
1-Chloro-3-(trifluoromethyl)benzene[e]	$C_7H_4ClF_3$	-53	-34	-9	24.2	69.8	137.2	5
1-Chloro-4-(trifluoromethyl)benzene[e]	$C_7H_4ClF_3$			-9	24.2	70.4	138.1	5
3-Chloro-1,1,1-trifluoropropane[e]	$C_3H_4ClF_3$	-102	-87	-68	-43	-8	45.3	5
Chromium	Cr	1383 s	1534 s	1718 s	1950	2257	2669	2
Cobalt	Co	1517	1687	1892	2150	2482	2925	2
Cobalt(II) chloride	Cl_2Co					818	1048	4
Copper	Cu	1236	1388	1577	1816	2131	2563	2
Copper(I) chloride	ClCu		459	543	675	914	1477	4
Copper(I) iodide	CuI				636	864	1331	4
o-Cresol	C_7H_8O	-6.4 s	12.8 s	40.2	72.3	120.3	190.5	1,5
m-Cresol	C_7H_8O	20.8	33.6	52.4	82.6	130.6	201.8	1,5
p-Cresol	C_7H_8O	-0.2 s	20.7 s	52.7	83.1	130.7	201.5	1,5
Cyanic acid[e]	CHNO			-81.1	-56.8	-23.9	23	5
Cyanoacetylene	C_3HN			-58.7 s	-35.6 s	-7 s	42.0	5
Cyanogen	C_2N_2	-127 s	-114.1 s	-98.5 s	-79.2 s	-54.9 s	-21.4	5
Cyanogen bromide	CBrN				-13 s	17.7 s	61.0	1
Cyanogen chloride	CClN		-94.6 s	-78.1 s	-57 s	-29 s	13.0	5
Cyanogen fluoride	CFN		-135 s	-121.2 s	-104.1 s	-82.8 s	-46.2	1,5
Cyanogen iodide	CIN						153.8	5
Cyclobutane	C_4H_8				-71.8	-38.1	12.1	5
Cyclobutanone[e]	C_4H_6O			-34	-4	37.1	97	5
Cyclodecane[e]	$C_{10}H_{20}$			29	68	121.3	201.8	1
1,5,9-Cyclododecatriene[e]	$C_{12}H_{18}$	-14	11	44	87	145.0	229.8	5
Cycloheptane[e]	C_7H_{14}				6	51.1	118.4	1
Cycloheptanone[e]	$C_7H_{12}O$			18	53.7	104.0	178.7	5
Cycloheptene[e]	C_7H_{12}			-30.0	3.4	47.5	108	5
1,3-Cyclohexadiene[e]	C_6H_8	-88	-71	-50	-21	19	79.9	5
1,4-Cyclohexadiene[e]	C_6H_8				-15	27.3	85.0	5
Cyclohexane	C_6H_{12}	-85.6 s	-68.9 s	-47.6 s	-19.8 s	19.3	80.4	1,5
Cyclohexanethiol	$C_6H_{12}S$					84.8	158.3	5
Cyclohexanol[e]	$C_6H_{12}O$			34	61	99.2	160.7	1
Cyclohexanone[e]	$C_6H_{10}O$		-25	1	36	84	155.2	1
Cyclohexene[e]	C_6H_{10}	-87	-70	-49	-19	21	82.6	1
Cyclohexyl acetate	$C_8H_{14}O_2$					103.1	172.9	5
Cyclohexylamine[e]	$C_6H_{13}N$			-9	22	66.6	133.5	1
Cyclohexylbenzene[e]	$C_{12}H_{16}$		28	58	98	154.7	239.5	5
Cyclohexylcyclohexane[e]	$C_{12}H_{22}$		20	53.1	96.0	154.1	237.2	5
cis,*cis*-1,5-Cyclooctadiene[e]	C_8H_{12}		-37	-8	30	80.2	150	5
Cyclooctane[e]	C_8H_{16}				30	78	150.7	1
1,3,5,7-Cyclooctatetraene	C_8H_8				24.3	71.0	140.1	5
1,3-Cyclopentadiene[e]	C_5H_6			-77	-51	-14	39.8	5
Cyclopentane	C_5H_{10}			-77.0	-45.4	-7.1	48.8	5
Cyclopentanethiol[e]	$C_5H_{10}S$				18	64	131.7	5
Cyclopentanol[e]	$C_5H_{10}O$		-13	11.5	42.2	82.5	140.0	5
Cyclopentanone[e]	C_5H_8O		-39	-14	19	64	130.3	1
Cyclopentene[e]	C_5H_8	-109	-94	-74	-48	-11.1	43.8	5
Cyclopentylamine[e]	$C_5H_{11}N$	-66	-48	-26	4	45.8	108	5
Cyclopropane[e]	C_3H_6			-124	-104	-75.7	-33.1	1
Cyclopropyl methyl ketone[e]	C_5H_8O		-57	-31	3	49	112	5
cis-Decahydronaphthalene[e]	$C_{10}H_{18}$	-26	-4	24	62.4	115.5	195.3	1
trans-Decahydronaphthalene[e]	$C_{10}H_{18}$		-10	18	55.3	107.9	186.8	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Decamethylcyclopentasiloxane[e]	$C_{10}H_{30}O_5Si_5$	-2	19	46	82	132.9	210.4	5
Decamethyltetrasiloxane[e]	$C_{10}H_{30}O_3Si_4$	-31	-6	26	66.8	118.8	193.9	5
Decanal[e]	$C_{10}H_{20}O$		16	47.2	86.3	137.7	208.0	5
Decane	$C_{10}H_{22}$		-10.6	16.7	52.3	101.1	173.7	16
Decanedioic acid	$C_{10}H_{18}O_4$	125.9 s						5
Decanenitrile[e]	$C_{10}H_{19}N$	13	36	66	105.8	160.6	241.6	5
1-Decanethiol[e]	$C_{10}H_{22}S$	11	34	64	103	157.5	238.6	5
Decanoic acid[e]	$C_{10}H_{20}O_2$	58	80	108	145	195.2	269.5	5
1-Decanol[e]	$C_{10}H_{22}O$	30	50	75	109	157.3	230.6	1,39
4-Decanol[e]	$C_{10}H_{22}O$	18	37	61	93	139	210	5
1-Decene	$C_{10}H_{20}$	-35.5	-13.7	13.7	49.0	97.9	170.1	1,5
Decyl acetate[e]	$C_{12}H_{24}O_2$	12	40	74	115.1	168.1	238	5
Decylcyclopentane[e]	$C_{15}H_{30}$	37	61	93	134	192.5	278.8	5
1-Decyne[e]	$C_{10}H_{18}$	-34	-13	14	51	100.3	173.5	5
Diacetone alcohol[e]	$C_6H_{12}O_2$	-41	-17	13	50.1	98.5	164	5
Diallyl sulfide[e]	$C_6H_{10}S$	-58	-38	-12.4	21.7	68.8	138.1	5
Dibenzylamine[e]	$C_{14}H_{15}N$	48	77	113.1	158.9	218.5	299.4	5
Diborane[e]	B_2H_6			-162	-147.0	-125.8	-92.6	1
m-Dibromobenzene[e]	$C_6H_4Br_2$	-7	16	44	83	137.0	218.2	5
1,2-Dibromobutane[e]	$C_4H_8Br_2$	-54	-30	0.4	39.6	92.1	166.1	5
1,4-Dibromobutane[e]	$C_4H_8Br_2$	-13	9	37	74	124.0	196.5	5
1,2-Dibromo-1-chloro-1,2,2-trifluoroethane	$C_2Br_2ClF_3$						92.3	5
1,2-Dibromo-1,1-dichloroethane	$C_2H_2Br_2Cl_2$					103.6	177.8	5
1,2-Dibromo-1,2-dichloroethane[e]	$C_2H_2Br_2Cl_2$		-11	22	64.1	119	193	5
Dibromodifluoromethane[e]	CBr_2F_2		-110	-91	-66	-30	22.5	1
1,1-Dibromoethane[e]	$C_2H_4Br_2$		-49	-26	5	46.4	107.6	5
1,2-Dibromoethane[e]	$C_2H_4Br_2$				18	62.2	130.9	1
cis-1,2-Dibromoethene[e]	$C_2H_2Br_2$		-45	-21	10	52.2	114.8	1
trans-1,2-Dibromoethene[e]	$C_2H_2Br_2$				-4	42.2	107.4	5
Dibromomethane[e]	CH_2Br_2			-37	-7	35.2	96.5	5
1,5-Dibromopentane[e]	$C_5H_{10}Br_2$	1	25	54	93	145.6	221.8	5
1,2-Dibromopropane[e]	$C_3H_6Br_2$	-46	-26	-2	31	75.3	139.5	5
1,3-Dibromopropane[e]	$C_3H_6Br_2$	-30	-9	17	52	98.7	166.8	5
1,2-Dibromotetrafluoroethane[e]	$C_2Br_2F_4$		-97	-75	-46	-7.2	47.1	5
1,2-Dibutoxyethane[e]	$C_{10}H_{22}O_2$	0	20	44	78.4	127.1	202.9	5
Dibutylamine[e]	$C_8H_{19}N$	-37	-16	10	44	90.8	159.1	5
Dibutyl ether[e]	$C_8H_{18}O$	-55	-35	-8	26	73.0	141.2	5
Di-*sec*-butyl ether[e]	$C_8H_{18}O$			-19	12.1	55.4	120.6	5
Di-*tert*-butyl ether[e]	$C_8H_{18}O$			-33	-2	41.7	106.8	1
Dibutyl maleate[e]	$C_{12}H_{20}O_4$	12.3	50.4	94.0	144.2	203	272	5
Di-*tert*-butyl peroxide[e]	$C_8H_{18}O_2$			-26	4.3	46.6	110.5	5
Dibutyl phthalate	$C_{16}H_{22}O_4$		104.0	142.7	191.5	254.5	339.4	4
Dibutyl sulfide[e]	$C_8H_{18}S$	-22	0	27	63	113.5	188.4	5
1,1-Dichloroacetone[e]	$C_3H_4Cl_2O$				1	47.8	118.0	5
o-Dichlorobenzene[e]	$C_6H_4Cl_2$		-13	16.3	53.9	104.6	180.0	1,5
m-Dichlorobenzene[e]	$C_6H_4Cl_2$		-22	8.0	46.7	97.8	172.5	1,5
p-Dichlorobenzene	$C_6H_4Cl_2$	-45.5 s	-21.8 s	8 s	46.7 s	99.0	173.6	1,5
1,1-Dichlorobutane[e]	$C_4H_8Cl_2$			-25	6	49.3	113.4	5
1,2-Dichlorobutane	$C_4H_8Cl_2$			-28.4	5.8	53.1	123.1	5
1,4-Dichlorobutane[e]	$C_4H_8Cl_2$		-26	0	35	82.4	153.4	5
2,2-Dichlorobutane[e]	$C_4H_8Cl_2$		-58	-35	-5	37.8	102.1	5
1,1-Dichlorocyclohexane[e]	$C_6H_{10}Cl_2$	-39	-19	8	43	93.5	170.5	5
cis-1,2-Dichlorocyclohexane[e]	$C_6H_{10}Cl_2$			27	69	125.7	206.2	5
1,2-Dichloro-1,1-difluoroethane[e]	$C_2H_2Cl_2F_2$	-101	-87	-68	-42.2	-6.8	46.3	5
Dichlorodifluoromethane[a]	CCl_2F_2	-150	-138	-122	-101.8	-73.1	-30.0	5
2,2'-Dichlorodiisopropyl ether[e]	$C_6H_{12}Cl_2O$		-1	27.3	63.4	112.3	182.1	5
Dichlorodimethylsilane	$C_2H_6Cl_2Si$					11.1	70.1	5
1,1-Dichloroethane[e]	$C_2H_4Cl_2$		-84	-64	-36.7	1.0	56.9	1
1,2-Dichloroethane	$C_2H_4Cl_2$				-16.4	23.7	83.1	1
1,1-Dichloroethene[e]	$C_2H_2Cl_2$	-116	-101	-82	-57	-21.4	31.2	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
cis-1,2-Dichloroethene[e]	$C_2H_2Cl_2$			-62	-34	3.8	60.3	1
trans-1,2-Dichloroethene[e]	$C_2H_2Cl_2$				-44	-7.5	47.3	1
1,1-Dichloro-1-fluoroethane[e]	$C_2H_3Cl_2F$		-101	-83	-57.9	-22.7	31.4	5
1,2-Dichloro-1-fluoroethane[e]	$C_2H_3Cl_2F$			-50	-23.8	14.1	73.4	5
Dichlorofluoromethane[e]	$CHCl_2F$	-76	-70	-61	-49	-28.7	8.6	1
1,5-Dichloro-1,1,3,3,5,5-hexamethyltrisiloxane[e]	$C_6H_{18}Cl_2O_2Si_3$	-29	-7	22.2	59.7	110.5	183.4	5
1,2-Dichlorohexane[e]	$C_6H_{12}Cl_2$				49	98.1	171.7	5
Dichloromethane[a]	CH_2Cl_2		-92	-73	-48	-12.5	39.3	1
(Dichloromethyl)benzene	$C_7H_6Cl_2$			31	72	130	213	4
Dichloromethylphenylsilane	$C_7H_8Cl_2Si$			32.4	71.8	126.0	205.0	5
Dichloromethylsilane[e]	CH_4Cl_2Si			-77	-51	-14	40.5	1
1,2-Dichloropentane[e]	$C_5H_{10}Cl_2$				30	77.4	147.8	5
1,5-Dichloropentane[e]	$C_5H_{10}Cl_2$	-31	-10	17	54	104.1	178.9	5
Dichlorophenylarsine[e]	$C_6H_5AsCl_2$	6.9	35.2	70	113	170	245	5
1,1-Dichloropropane[e]	$C_3H_6Cl_2$				-14	27.0	87.7	5
1,2-Dichloropropane, (±)-[e]	$C_3H_6Cl_2$	-78	-61	-38.1	-8.1	33.7	95.9	5
1,3-Dichloropropane[e]	$C_3H_6Cl_2$	-65	-46	-22	10	54.0	119.9	5
2,2-Dichloropropane[e]	$C_3H_6Cl_2$				-28	10.8	68.9	5
1,3-Dichloro-2-propanol	$C_3H_6Cl_2O$			21.8	59.0	107.6	173.9	5
1,1-Dichloro-1,2,2,2-tetrafluoroethane	$C_2Cl_2F_4$					-45.4	2.7	5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	$C_2Cl_2F_4$				-76.8	-44.9	3.2	5
1,3-Dichloro-1,1,3,3-tetramethyldisiloxane[e]	$C_4H_{12}Cl_2OSi_2$		-33	-9	23.8	69.1	136.5	5
2,5-Dichlorothiophene[e]	$C_4H_2Cl_2S$			-20	22	81.4	171	5
2,4-Dichlorotoluene[e]	$C_7H_6Cl_2$		6	33	68.3	119.5	199.1	5
3,4-Dichlorotoluene[e]	$C_7H_6Cl_2$	-13	9	38	76	129.3	208.4	5
2,2-Dichloro-1,1,1-trifluoroethane	$C_2HCl_2F_3$		-101.0	-82.2	-57.4	-23.3	26.7	18
Diethanolamine[e]	$C_4H_{11}NO_2$	53	77	107	146	197.3	268	5
Diethoxydimethylsilane[e]	$C_6H_{16}O_2Si$	-62	-44	-21.2	9.1	51.0	113.0	5
1,1-Diethoxyethane[e]	$C_6H_{14}O_2$	-68	-49	-26	3.7	44.2	101.9	5
1,2-Diethoxyethane[e]	$C_6H_{14}O_2$		-59	-35.3	-2.8	44.4	118.8	5
Diethoxymethane[e]	$C_5H_{12}O_2$		-65	-43	-14	27.3	87.7	5
Diethylamine[e]	$C_4H_{11}N$			-46	-26	5	55.2	1
2-Diethylaminoethanol[e]	$C_6H_{15}NO$					97	160.6	5
N,N-Diethylaniline[e]	$C_{10}H_{15}N$	-11	14	44.3	84.2	138.4	216.3	5
o-Diethylbenzene[e]	$C_{10}H_{14}$	-28	-6	21	58	107.9	182.9	5
m-Diethylbenzene[e]	$C_{10}H_{14}$	-28	-7	20	56	106.2	180.6	5
p-Diethylbenzene[e]	$C_{10}H_{14}$	-28	-6	21	57	108.1	183.3	5
Diethyl carbonate[e]	$C_5H_{10}O_3$		-42	-17	17	61.6	125.9	5
Diethyl disulfide[e]	$C_4H_{10}S_2$	-46	-26	0	35	82.4	153.5	5
Diethylene glycol[e]	$C_4H_{10}O_3$	35	58	86	123	173.6	245.2	1
Diethylene glycol dibutyl ether[e]	$C_{12}H_{26}O_3$	5	34.4	70.2	115.3	174.1	253.8	5
Diethylene glycol diethyl ether[e]	$C_8H_{18}O_3$	-32	-7	25	64.9	117.1	189	5
Diethylene glycol dimethyl ether[e]	$C_6H_{14}O_3$	-42	-20	8.3	44.3	92.3	159.4	5
Diethylene glycol monobutyl ether[e]	$C_8H_{18}O_3$	14	37	66.8	104.9	153	230.4	5
Diethylene glycol monobutyl ether acetate[e]	$C_{10}H_{20}O_4$	6	34	69	112.6	169.2	245.4	5
Diethylene glycol monoethyl ether[e]	$C_6H_{14}O_3$			40	80.3	132.4	201.4	5
Diethylene glycol monoethyl ether acetate[e]	$C_8H_{16}O_4$	-16	10.6	43.9	86.2	141.3	216.6	5
Diethylene glycol monomethyl ether[e]	$C_5H_{12}O_3$		12	40	76	124.2	193.7	1
Diethyl ether[e]	$C_4H_{10}O$	-111	-96	-77	-52.6	-17.8	34.1	1
Diethyl glutarate[e]	$C_9H_{16}O_4$	-1	26	60.2	103.3	159.6	236.5	5
Diethyl hexanedioate[e]	$C_{10}H_{18}O_4$	4	35	72	116.6	171.2	239.5	5
Diethyl maleate[e]	$C_8H_{12}O_4$	-6	20	52.2	93.5	148.4	224.8	5
Diethyl malonate[e]	$C_7H_{12}O_4$	-23	4	36.0	76.4	128.5	198.3	5
1,3-Diethyl-5-methylbenzene[e]	$C_{11}H_{16}$	-26	-1	29.5	69.5	123.5	200.2	5
Diethyl oxalate[e]	$C_6H_{10}O_4$	-5	18	44.9	79.4	124.3	185.2	5
3,3-Diethylpentane[e]	C_9H_{20}			-9	26	73.7	145.7	1
Diethylperoxide[e]	$C_4H_{10}O_2$				-39	3.6	65.0	5
Diethyl phthalate[e]	$C_{12}H_{14}O_4$	12	51	96	150.5	215.9	296.2	5
N,N-Diethyl-1,3-propanediamine	$C_7H_{18}N_2$				50.1	99.9	167.7	5
Diethyl sebacate[e]	$C_{14}H_{26}O_4$		83	120	166	225	305	4

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Diethyl succinate[e]	$C_8H_{14}O_4$	-6	20	51.0	91.1	143.7	216.1	5
Diethyl sulfate[e]	$C_4H_{10}O_4S$		3	36	79	134	208.3	5
Diethyl sulfide[e]	$C_4H_{10}S$	-80	-62	-40	-10.8	30.3	91.7	1
1,1-Difluoroethane	$C_2H_4F_2$			-115.2	-94.6	-66.1	-24.3	19
Difluoromethane[a]	CH_2F_2	-156.7	-145.8	-131.9	-113.6	-88.6	-51.9	1
3,4-Dihydro-2*H*-pyran[e]	C_5H_8O				-22	22.0	84.9	5
Diiodomethane[e]	CH_2I_2			17	55	106.1	181.6	5
Diiodosilane	H_2I_2Si				11.8	70.5	149.4	4
Diisobutylamine[e]	$C_8H_{19}N$	-57	-36	-9.0	25.5	72.2	139.0	5
Diisopentyl ether	$C_{10}H_{22}O$			14.0	51.5	101.8	172.8	5
Diisopentyl sulfide[e]	$C_{10}H_{22}S$			7	82	118	139	5
Diisopropylamine[e]	$C_6H_{15}N$			-47	-17.5	23.5	84.0	5
1,2-Diisopropylbenzene[e]	$C_{12}H_{18}$	-14	9	37	74	125.9	203.2	5
1,3-Diisopropylbenzene[e]	$C_{12}H_{18}$	-14	8	36	74	125.5	202.6	5
1,4-Diisopropylbenzene[e]	$C_{12}H_{18}$	-6	18	49	90	148.8	238	5
Diisopropyl ether[e]	$C_6H_{14}O$		-76	-55	-28	11	68.1	1
Diisopropyl sulfide[e]	$C_6H_{14}S$	-65	-47	-23	9	53.1	119.6	5
Diketene[e]	$C_4H_4O_2$				19.3	63.3	126	5
1,3-Dimethoxybenzene[e]	$C_8H_{10}O_2$	18	34	56	86.7	135.5	223	5
Dimethoxyborane[e]	$C_2H_7BO_2$	-116	-101.9	-83.5	-59.2	-25.4	25	5
1,2-Dimethoxyethane[e]	$C_4H_{10}O_2$			-44	-15	25.2	85.2	1
Dimethoxymethane[e]	$C_3H_8O_2$	-93	-81	-64	-42	-9.3	41.7	5
Dimethylacetal[e]	$C_4H_{10}O_2$	-89	-74	-55	-29	7.7	64.1	5
N,N-Dimethylacetamide[e]	C_4H_9NO	-8	8	28.0	56.4	98.2	165.7	1
Dimethylamine[e]	C_2H_7N			-88	-66.9	-37.2	6.6	1
(Dimethylamino)dimethylborane[e]	$C_4H_{12}BN$		-81	-60.1	-31.9	7.0	64.2	5
3-(Dimethylamino)propanenitrile	$C_5H_{10}N_2$				51.1	101.8	171.4	5
2,4-Dimethylaniline[e]	$C_8H_{11}N$	-2	21	51	88	139.1	210.9	5
2,6-Dimethylaniline[e]	$C_8H_{11}N$			37	80	137.7	217.7	5
N,N-Dimethylaniline[e]	$C_8H_{11}N$			28	66	118.1	193.6	1
2,4-Dimethylbenzaldehyde[e]	$C_9H_{10}O$	-3	23	54	93.2	144.6	214.5	5
2,3-Dimethyl-1,3-butadiene[e]	C_6H_{10}			-59	-30	9.7	68.1	5
2,2-Dimethylbutane[e]	C_6H_{14}		-90	-71.5	-45.5	-7.7	49.4	1
2,3-Dimethylbutane[e]	C_6H_{14}	-103	-87	-66	-39.0	-0.4	57.6	1
3,3-Dimethyl-1-butanol[e]	$C_6H_{14}O$	-37	-16	9	42	84.3	142.5	5
2,3-Dimethyl-2-butanol[e]	$C_6H_{14}O$			-5	23	61.3	118.2	5
3,3-Dimethyl-2-butanone[e]	$C_6H_{12}O$			-30	0	42.5	105.7	1
2,3-Dimethyl-1-butene[e]	C_6H_{12}	-103	-87	-67	-39.9	-1.9	55.2	5
3,3-Dimethyl-1-butene[e]	C_6H_{12}	-110	-95	-76	-50.8	-14.5	40.8	5
2,3-Dimethyl-2-butene[e]	C_6H_{12}		-75	-54	-25	14	72.9	1
1,1-Dimethylcyclohexane[e]	C_8H_{16}			-27	5	50.6	119.1	5
cis-1,2-Dimethylcyclohexane[e]	C_8H_{16}		-44	-20	14	59.7	129.2	5
trans-1,2-Dimethylcyclohexane[e]	C_8H_{16}	-68	-49	-25	8	53.9	122.9	5
cis-1,3-Dimethylcyclohexane[e]	C_8H_{16}	-68	-48	-23	10	55.6	123.1	5
trans-1,3-Dimethylcyclohexane[e]	C_8H_{16}	-62	-45	-23	8	51.5	120.9	5
cis-1,4-Dimethylcyclohexane[e]	C_8H_{16}	-66	-47	-23	10	55.3	123.8	5
trans-1,4-Dimethylcyclohexane[e]	C_8H_{16}			-27	5	50.6	118.9	5
1,1-Dimethylcyclopentane[e]	C_7H_{14}		-69	-47	-17	24.8	87.4	5
cis-1,2-Dimethylcyclopentane[e]	C_7H_{14}			-38	-8	34.9	99.0	5
trans-1,2-Dimethylcyclopentane[e]	C_7H_{14}	-83	-66	-43	-13	28.4	91.4	5
cis-1,3-Dimethylcyclopentane[e]	C_7H_{14}	-84	-66	-44	-14	28.2	91.1	5
trans-1,3-Dimethylcyclopentane[e]	C_7H_{14}	-84	-67	-44	-14	27.4	90.3	5
1,2-Dimethylcyclopentene[e]	C_7H_{12}	-75	-57	-34	-3	40.2	105.3	5
1,5-Dimethylcyclopentene[e]	C_7H_{12}	-77	-59	-36	-5.5	37.3	101.5	5
cis-1,2-Dimethylcyclopropane[e]	C_5H_{10}	-118	-103	-83	-57	-20	36.6	5
trans-1,2-Dimethylcyclopropane[e]	C_5H_{10}	-122	-108	-89	-63	-27	27.8	5
Dimethyl disulfide[e]	$C_2H_6S_2$	-71	-53	-29	1.7	45.0	109.3	5
N,N-Dimethylethanolamine[e]	$C_4H_{11}NO$	-52	-31	-6	27	70.9	133	5
Dimethyl ether[a]	C_2H_6O		-135	-118	-96.8	-67.6	-25.1	1,5
N,N-Dimethylformamide[e]	C_3H_7NO	-39	-20	5	38.0	83.9	152.6	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Dimethyl glutarate[e]	$C_7H_{12}O_4$	-11	15	47	87.7	139.8	209.5	5
2,2-Dimethylheptane[e]	C_9H_{20}	-58	-39	-15	18	63.6	132.3	5
2,3-Dimethylheptane[e]	C_9H_{20}	-53	-33	-9	25	70.8	140.0	5
2,6-Dimethylheptane[e]	C_9H_{20}	-55	-36	-12	21	66.4	134.7	5
2,6-Dimethyl-4-heptanone[e]	$C_9H_{18}O$	-32	-12	14	48	96.2	167.7	5
2,5-Dimethyl-1,5-hexadiene[e]	C_8H_{14}	-38	-26	-10	14	50.8	115.1	5
2,2-Dimethylhexane[e]	C_8H_{18}	-73	-55	-32	-1.5	41.6	106.4	5
2,3-Dimethylhexane[e]	C_8H_{18}				5	49.2	115.1	5
2,4-Dimethylhexane	C_8H_{18}				0.6	43.9	109.0	5
2,5-Dimethylhexane[e]	C_8H_{18}	-71	-53	-30	0.7	43.8	108.6	5
3,3-Dimethylhexane[e]	C_8H_{18}	-72	-54	-30	1.4	45.4	111.5	5
3,4-Dimethylhexane[e]	C_8H_{18}				7	50.9	117.3	5
Dimethyl 1,6-hexanedioate[e]	$C_8H_{14}O_4$		28	61	103	156.1	227.3	5
2,3-Dimethyl-2-hexene[e]	C_8H_{16}	-65	-47	-23	10	54.3	121.3	5
cis-2,2-Dimethyl-3-hexene[e]	C_8H_{16}	-74	-56	-33	-3	40.1	105.0	5
1,1-Dimethylhydrazine[e]	$C_2H_8N_2$			-52	-25.6	10.5	63	5
1,2-Dimethylhydrazine[e]	$C_2H_8N_2$		-49	-33	-9	26.4	88	1
Dimethyl isophthalate[e]	$C_{10}H_{10}O_4$			85	129.5	189.2	273	5
2,4-Dimethyl-3-isopropylpentane[e]	$C_{10}H_{22}$	-46	-26	0	35	83.2	156.5	5
Dimethyl maleate[e]	$C_6H_8O_4$		5	36	76	127.3	197	5
Dimethyl malonate[e]	$C_5H_8O_4$	-22	1	30.0	66.7	114.7	180.2	5
Dimethyl mercury	C_2H_6Hg				-13.5	29.0	92.1	5
1,2-Dimethylnaphthalene[e]	$C_{12}H_{12}$	26	51	82	123	180.5	265.7	5
2,7-Dimethylnaphthalene[e]	$C_{12}H_{12}$	31.5 s	53.1 s	78.8 s	115.9	175	260	5
2,4-Dimethyloctane[e]	$C_{10}H_{22}$				38	84.9	155.4	5
2,7-Dimethyloctane[e]	$C_{10}H_{22}$	-39	-19	7	41	88.4	159.4	5
Dimethyl oxalate	$C_4H_6O_4$				50.5	98.1	163.0	5
2,2-Dimethylpentane[e]	C_7H_{16}	-90	-73	-52	-22.9	17.6	78.8	1
2,3-Dimethylpentane[e]	C_7H_{16}	-87	-68.4	-45.3	-14.9	26.8	89.3	5
2,4-Dimethylpentane[e]	C_7H_{16}	-89	-72	-50	-21.3	19.2	80.1	1
3,3-Dimethylpentane[e]	C_7H_{16}	-88	-71	-49	-18.8	22.9	85.6	1
2,2-Dimethyl-3-pentanol[e]	$C_7H_{16}O$			9	35	73.1	135.5	5
2,4-Dimethyl-3-pentanone[e]	$C_7H_{14}O$	-61	-42	-18	14	58.5	124.8	1
2,3-Dimethyl-1-pentene[e]	C_7H_{14}	-85	-68	-46	-17	23.4	83.8	5
2,4-Dimethyl-1-pentene[e]	C_7H_{14}	-88	-71	-50	-21	20.0	81.2	5
3,3-Dimethyl-1-pentene[e]	C_7H_{14}	-87	-71	-50	-21	18.1	77.1	5
4,4-Dimethyl-1-pentene[e]	C_7H_{14}	-94	-78	-57	-28	11.5	72.1	5
2,3-Dimethyl-2-pentene[e]	C_7H_{14}	-79	-62	-39	-9	33.5	96.9	5
2,4-Dimethyl-2-pentene[e]	C_7H_{14}	-84	-68	-46	-18	22.6	82.9	5
cis-3,4-Dimethyl-2-pentene[e]	C_7H_{14}	-83	-65	-43	-14	27.2	88.8	5
trans-3,4-Dimethyl-2-pentene[e]	C_7H_{14}	-82	-64	-42	-13	29.0	91.1	5
cis-4,4-Dimethyl-2-pentene[e]	C_7H_{14}	-90	-73	-51	-22	18.6	80.0	5
trans-4,4-Dimethyl-2-pentene[e]	C_7H_{14}	-90	-73	-52	-23	16.6	76.3	5
4,4-Dimethyl-1-pentyne[e]	C_7H_{12}		-73	-52	-24	15.9	75.6	5
4,4-Dimethyl-2-pentyne[e]	C_7H_{12}		-70	-48	-19	21.4	82.6	5
Dimethyl phthalate[e]	$C_{10}H_{10}O_4$	27	56	92.7	137.8	195.8	272.7	5
2,2-Dimethylpropanenitrile	C_5H_9N					41.1	104.8	5
2,2-Dimethyl-1-propanol	$C_5H_{12}O$					59.2	112.7	5
2,3-Dimethylpyridine[e]	C_7H_9N				42	89.9	160.6	5
2,4-Dimethylpyridine[e]	C_7H_9N		-25	3.7	40.0	87.5	157.9	1,5
2,5-Dimethylpyridine[e]	C_7H_9N			4	39	86.2	156.6	1
2,6-Dimethylpyridine[e]	C_7H_9N			-3	29.9	75.8	143.6	1
3,4-Dimethylpyridine[e]	C_7H_9N		-9	19	55	104.8	178.6	5
3,5-Dimethylpyridine[e]	C_7H_9N			11	48	98	171.5	1
Dimethyl sebacate[e]	$C_{12}H_{22}O_4$		53	97	150	214	293	4
Dimethyl succinate[e]	$C_6H_{10}O_4$			30	70.4	123.3	195.4	5
Dimethyl sulfide[e]	C_2H_6S		-96	-77	-51.2	-16.0	37.0	1,5
Dimethyl sulfone[e]	$C_2H_6O_2S$				109	166.8	248.9	5
Dimethyl sulfoxide	C_2H_6OS			27.4	65.0	115.9	188.6	1
Dimethyl terephthalate[e]	$C_{10}H_{10}O_4$	56.6 s	79.4 s	106.1 s	137.9 s	197.9	282	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
2,5-Dimethylthiophene[e]	C_6H_8S		-43	-16	20	67.5	134.8	5
1,1-Dinitropropane[e]	$C_3H_6N_2O_4$	-9	12	39	73.2	120	187	5
Dioctyl phthalate[e]	$C_{24}H_{38}O_4$	130	163.7	203.8	252	311	385	5
1,3-Dioxane[e]	$C_4H_8O_2$			-37	-3	43.4	106.0	5
1,4-Dioxane	$C_4H_8O_2$					39.6	101.0	1
1,3-Dioxolane[e]	$C_3H_6O_2$		-72	-50	-22	17.0	75.3	1
Dipentene[e]	$C_{10}H_{16}$	-42	-19	10.6	48.7	100.2	173.9	5
Dipentylamine[e]	$C_{10}H_{23}N$				77	127.7	202.0	5
Dipentyl ether[e]	$C_{10}H_{22}O$	-31	-8	22	60	111.6	186.2	5
Diphenylamine	$C_{12}H_{11}N$	48 s		102.8	150.5	213.7	301.4	5
1,1-Diphenylethane[e]	$C_{14}H_{14}$	19	47	82.0	125.3	181	254	5
Diphenyl ether[e]	$C_{12}H_{10}O$		44	75	116	173	257.4	5
Diphenylmethane[e]	$C_{13}H_{12}$		45	77	119.3	177.7	263.6	1,5
Diphenyl sulfide[e]	$C_{12}H_{10}S$	20	51	88.7	137.5	202.2	291.8	5
1,2-Dipropoxyethane	$C_8H_{18}O_2$			-44.2	-2.0	63.6	179.2	5
Dipropylamine[e]	$C_6H_{15}N$		-48	-25	6	47.5	108.8	5
Dipropylene glycol[e]	$C_6H_{14}O_3$				110	162.6	231.4	5
Dipropyl ether[e]	$C_6H_{14}O$	-80	-63	-41	-12	28.8	89.7	1
Dipropyl oxalate[e]	$C_8H_{14}O_4$	-4	20	49.9	88.6	140.4	213.0	5
Dipropyl succinate[e]	$C_{10}H_{18}O_4$	11	38	72.1	115.4	172.3	250.4	5
Dipropyl sulfide[e]	$C_6H_{14}S$	-50	-30	-6	28	73.6	142.4	5
m-Divinylbenzene[e]	$C_{10}H_{10}$	-29	-4	27.1	67.6	122.1	199	5
Divinyl ether[e]	C_4H_6O		-99	-80	-56	-22.1	28.0	5
Docosane	$C_{22}H_{46}$	83.5	115.0	154.0	203.6	274.8	368.0	5
Docosanoic acid[e]	$C_{22}H_{44}O_2$	145.4	176.5	213.7	259.3	316.2	390	5
cis-13-Docosenoic acid[e]	$C_{22}H_{42}O_2$	126	160	199.4	247.4	306.5	381.1	5
trans-13-Docosenoic acid[e]	$C_{22}H_{42}O_2$	134	166	203.6	249.8	307.6	382.0	5
Dodecamethylcyclohexasiloxane[e]	$C_{12}H_{36}O_6Si_6$	18	41	69	108	162.2	244.7	5
Dodecanal[e]	$C_{12}H_{24}O$			70	116.2	175.9	256.6	5
Dodecane	$C_{12}H_{26}$	-5.4	18.2	47.6	85.8	138.2	215.8	16
Dodecanenitrile[e]	$C_{12}H_{23}N$	36	60	92	133	190.5	275.5	5
Dodecanoic acid[e]	$C_{12}H_{24}O_2$	78	100	128	166	219.1	298.1	5
1-Dodecanol[e]	$C_{12}H_{26}O$				133	185.0	264.1	1
1-Dodecene	$C_{12}H_{24}$	-8.3	15.2	44.8	82.9	135.4	212.8	5
1-Dodecyne[e]	$C_{12}H_{22}$	-11	13	43	82	135.8	214.4	5
Dysprosium[d]	Dy	1105 s	1250 s	1431	1681	2031	2558	3
Eicosamethylnonasiloxane[e]	$C_{20}H_{60}O_8Si_9$			141	183.1	236.7	307.1	5
Eicosane[e]	$C_{20}H_{42}$	80.4	108.9	144.2	189.8	252.1	344	16
1-Eicosanol[e]	$C_{20}H_{42}O$	119	143	173	213	270.0	355.1	5
Epichlorohydrin[e]	C_3H_5ClO			-21	11	53.8	115.5	5
1,2-Epoxybutane[e]	C_4H_8O	-135	-114	-87	-53	-5.5	62.1	5
Erbium[d]	Er	1231 s	1390 s	1612	1890	2279	2859	3
Ethane[a]	C_2H_6	-183.3 s	-173.2	-161.3	-145.3	-122.8	-88.8	41
1,2-Ethanediamine	$C_2H_8N_2$				17.0	57.5	116.6	1,5
1,2-Ethanediol[e]	$C_2H_6O_2$	2	24	51.1	86.1	132.5	196.9	1
1,2-Ethanediol, diacetate[e]	$C_6H_{10}O_4$	-17	6	35.0	71.9	121.1	190.0	5
1,2-Ethanediol, dinitrate[e]	$C_2H_4N_2O_6$	4	25.6	51.0	81	117	162	5
Ethanethiol[e]	C_2H_6S	-112	-97	-78	-53	-18	34.7	1
Ethanol[e]	C_2H_6O	-73	-56	-34	-7	29.2	78.0	1,5
Ethanolamine[e]	C_2H_7NO		11	35	66.2	109.0	170.6	1
2-Ethoxyaniline[e]	$C_8H_{11}NO$	0	27	60	102.2	156.0	228.1	5
Ethoxybenzene[e]	$C_8H_{10}O$		-9	17	51	99	169.3	5
2-Ethoxyethanol[e]	$C_4H_{10}O_2$	-49	-29	-3	30	73.6	135.3	1
2-Ethoxyethyl acetate[e]	$C_6H_{12}O_3$	-25	-8	14	44.6	88.0	155.6	5
Ethyl acetate[e]	$C_4H_8O_2$	-83	-66	-45	-18	20.4	76.8	1
Ethyl acetoacetate[e]	$C_6H_{10}O_3$	-25	-3	25.7	62.3	111.3	180.2	5
Ethyl acrylate[e]	$C_5H_8O_2$		-55	-32.7	-2.8	38.5	99.2	5
Ethylamine[e]	C_2H_7N			-71	-53	-27	16.4	1
4-Ethylaniline[e]	$C_8H_{11}N$	-2	21	49	87	139.4	216.7	5
N-Ethylaniline[e]	$C_8H_{11}N$	-15	8	38	76.4	128.8	204.2	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Ethylbenzene	C_8H_{10}	-56.2	-36.8	-12.0	21.1	67.1	135.7	1
Ethyl benzoate[e]	$C_9H_{10}O_2$	-18	8	39	80.1	135.1	212.8	5
Ethyl butanoate[e]	$C_6H_{12}O_2$	-49	-34	-14	14.3	55.2	121.1	5
2-Ethylbutanoic acid[e]	$C_6H_{12}O_2$	-9	16	46	83	130.7	192.5	5
2-Ethyl-1-butanol[e]	$C_6H_{14}O$		-5	17	46	85.7	146.1	5
2-Ethyl-1-butene[e]	C_6H_{12}	-98	-81	-60	-32	6.6	64.3	5
Ethyl chloroacetate	$C_4H_7ClO_2$			-2.6	32.6	79.1	143.8	5
Ethyl 2-chloropropanoate	$C_5H_9ClO_2$			1.4	36.4	82.5	146.0	5
Ethyl *trans*-cinnamate	$C_{11}H_{12}O_2$			79	125	187	271	4
Ethyl cyanoacetate[e]	$C_5H_7NO_2$	16	39	67.0	102.1	146.7	205.6	5
Ethylcyclobutane[e]	C_6H_{12}	-99	-82	-61	-32	9	70.2	5
Ethylcyclohexane[e]	C_8H_{16}	-61	-42	-17	15.8	61.9	131.3	5
1-Ethylcyclohexene[e]	C_8H_{14}	-55	-35	-11	22	68	136.5	5
Ethylcyclopentane[e]	C_7H_{14}	-76	-59	-35	-5	38.4	103.0	5
1-Ethylcyclopentene[e]	C_7H_{12}	-75	-57	-34	-3	40.7	105.8	5
Ethylcyclopropane[e]	C_5H_{10}	-118	-102	-83	-57	-20	35.5	5
Ethyl decanoate[e]	$C_{12}H_{24}O_2$	8	35	69	111.8	166.1	238	5
Ethyl dichloroacetate	$C_4H_6Cl_2O_2$			2.6	40.1	89.1	156.3	5
Ethyl diethylmalonate[e]	$C_{11}H_{20}O_4$			74	105	149.4	219	5
Ethyldifluoroarsine[e]	$C_2H_5AsF_2$			-36	-6.0	35.0	93.1	5
1-Ethyl-2,4-dimethylbenzene[e]	$C_{10}H_{14}$	-25	-4	24	61	112.2	187.9	5
1-Ethyl-3,5-dimethylbenzene[e]	$C_{10}H_{14}$	-28	-6	21	58	108.3	183.2	5
2-Ethyl-1,3-dimethylbenzene[e]	$C_{10}H_{14}$		-2	26	63	113.7	189.5	5
2-Ethyl-1,4-dimethylbenzene[e]	$C_{10}H_{14}$	-27	-5	23	60	110.6	186.4	5
3-Ethyl-1,2-dimethylbenzene[e]	$C_{10}H_{14}$	-22	0	28	66	117.2	193.4	5
4-Ethyl-1,2-dimethylbenzene[e]	$C_{10}H_{14}$	-24	-2	26	63	113.6	189.2	5
3-Ethyl-2,4-dimethylpentane[e]	C_9H_{20}	-58	-38	-13	20	66.7	136.2	5
Ethylene[a]	C_2H_4				-155.6	-135.1	-104.0	1,10
Ethylene carbonate[e]	$C_3H_4O_3$	12.7 s	37				247	5
Ethyleneimine[e]	C_2H_5N		-74	-55	-30	4.1	55	5
Ethyl formate[e]	$C_3H_6O_2$		-80	-61	-35	1	54.0	1
3-Ethylhexane[e]	C_8H_{18}				8	52.1	118.1	5
Ethyl hexanoate[e]	$C_8H_{16}O_2$	-31	-9	18.7	53.9	100.7	166.2	5
2-Ethylhexanoic acid[e]	$C_8H_{16}O_2$				108	159.6	226.6	5
2-Ethyl-1-hexanol[e]	$C_8H_{18}O$			45	75	118.3	184.2	1
2-Ethylhexyl acetate[e]	$C_{10}H_{20}O_2$	-11	5	26	57.6	107.1	197.2	5
Ethyl hydroperoxide[e]	$C_2H_6O_2$	-70	-49	-25	6.8	47.0	101	5
Ethyl isopropyl sulfide[e]	$C_5H_{12}S$	-72	-54	-31	0	42.7	106.9	5
Ethyl isothiocyanate[e]	C_3H_5NS				17.4	66	136	5
Ethyl levulinate[e]	$C_7H_{12}O_3$		17	45.3	82.6	133.2	205.7	5
Ethyl methacrylate[e]	$C_6H_{10}O_2$				8	53.2	116.8	5
Ethyl 3-methylbutanoate[e]	$C_7H_{14}O_2$	-57	-36	-10	23.9	69.5	134.4	5
trans-1-Ethyl-4-methylcyclohexane[e]	C_9H_{18}	-53	-33	-8	25	71.8	141.5	5
1-Ethyl-1-methylcyclopentane[e]	C_8H_{16}	-67	-49	-24	8	53.2	121.0	5
cis-1-Ethyl-2-methylcyclopentane[e]	C_8H_{16}	-63	-44	-19	13.3	59.1	127.6	5
1-Ethyl-1-methylcyclopropane[e]	C_6H_{12}	-105	-89	-69	-41	-3	56.3	5
Ethyl methyl ether[e]	C_3H_8O	-98	-89	-77	-60	-34.8	7.0	5
3-Ethyl-4-methylhexane[e]	C_9H_{20}			-9	24	70.6	139.9	5
3-Ethyl-2-methylpentane[e]	C_8H_{18}	-69	-50	-27	5	48.9	115.2	5
3-Ethyl-3-methylpentane[e]	C_8H_{18}	-70	-51	-27	5	50.2	117.8	5
Ethyl 2-methylpropanoate[e]	$C_6H_{12}O_2$	-65	-47	-24.6	5.4	47.3	109.8	5
Ethyl methyl sulfide[e]	C_3H_8S	-94	-78	-57	-29.7	8.8	66.3	1
1-Ethylnaphthalene[e]	$C_{12}H_{12}$	16	41	72	114	171.8	257.7	5
2-Ethylnaphthalene[e]	$C_{12}H_{12}$	14	39	71	113	171.2	257.3	5
Ethyl nitrate[e]	$C_2H_5NO_3$	-81	-63	-41	-12	28.2	87	1
1-Ethyl-4-nitrobenzene[e]	$C_8H_9NO_2$	10	36	69	111.6	168	245	5
Ethyl octanoate[e]	$C_{10}H_{20}O_2$	-17	9	41	81.4	133.2	203	5
3-Ethylpentane[e]	C_7H_{16}	-81	-63	-41	-11	30.5	93.1	1
3-Ethyl-1-pentene[e]	C_7H_{14}	-85	-68	-46	-17	23.2	83.7	5
2-Ethylphenol	$C_8H_{10}O$		16.9	44.5	81.1	130.9	204.0	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
3-Ethylphenol	$C_8H_{10}O$	5.6	29.2	57.5	91.9	144.8	217.9	5
4-Ethylphenol[e]	$C_8H_{10}O$			60	95.5	144.6	217.5	5
Ethyl phenylacetate[e]	$C_{10}H_{12}O_2$	-9	19	52	95	150.2	225	5
5-Ethyl-2-picoline[e]	$C_8H_{11}N$	-33	-9.3	20			178.0	5
Ethyl propanoate[e]	$C_5H_{10}O_2$	-69	-52	-30	-1	38.9	98.7	1
Ethyl propyl ether[e]	$C_5H_{12}O$	-92	-77	-57	-30.5	6.7	63.4	1,5
Ethyl propyl sulfide[e]	$C_5H_{12}S$	-64	-46	-23	9	52.7	118.0	5
2-Ethylpyridine[e]	C_7H_9N	-46	-26	-1	33	79.3	149.0	5
3-Ethylpyridine[e]	C_7H_9N	-38	-17	9	44	92.7	166.5	5
4-Ethylpyridine[e]	C_7H_9N	-35	-15	11	46	94.4	168.6	5
Ethyl silicate[e]	$C_8H_{20}O_4Si$	-77	-52	-21	21.6	80.5	164.1	5
2-Ethylstyrene[e]	$C_{10}H_{12}$	-31	-8	21	60	111.7	187	5
3-Ethylstyrene[e]	$C_{10}H_{12}$	-28	-5.3	24.1	62.6	116	193	5
4-Ethylstyrene[e]	$C_{10}H_{12}$	-31	-8.2	21.3	60.5	115	196	5
Ethyl thiocyanate[e]	C_3H_5NS	-39	-20	4	35	79.1	143.4	5
2-Ethyltoluene[e]	C_9H_{12}	-40	-19	8	43	92.1	164.7	5
3-Ethyltoluene[e]	C_9H_{12}	-42	-21	5	40.4	88.9	160.8	5
4-Ethyltoluene[e]	C_9H_{12}	-41	-21	6	41	89.2	161.5	5
Ethyl trichloroacetate	$C_4H_5Cl_3O_2$			15.3	51.9	100.1	166.6	5
1-Ethyl-2,4,5-trimethylbenzene[e]	$C_{11}H_{16}$	-13	11	40	79.4	132.1	207.7	5
2-Ethyl-1,3,5-trimethylbenzene[e]	$C_{11}H_{16}$		6	36	75.7	129.6	207.6	5
Ethyl 10-undecenoate[e]	$C_{13}H_{24}O_2$	32	55	86	125.2	179.5	258.4	5
Ethyl vinyl ether[e]	C_4H_8O		-102	-81	-53.1	-16.5	34.7	5
Eucalyptol	$C_{10}H_{18}O$			10.6	48.5	100.3	175.4	5
Europium	Eu	590 s	684 s	799 s	961	1179	1523	14
9*H*-Fluorene[e]	$C_{13}H_{10}$	48.4 s			137.4	205.4	295	5
Fluorine[a]	F_2	-235 s	-229.5 s	-222.9 s	-214.8	-204.3	-188.3	1,5
Fluorine monoxide[a]	F_2O	-211.7	-204.7	-195.9	-184.2	-168.2	-144.9	5
Fluorine nitrate[e]	FNO_3	-160	-149	-135	-115.1	-87.4	-45.0	5
Fluorobenzene	C_6H_5F				-16.9	24.2	84.4	1
1-Fluorobutane[e]	C_4H_9F	-114	-99	-80	-55	-20.0	32.1	5
2-Fluorobutane[e]	C_4H_9F	-117	-103	-85	-60.7	-26.7	24.7	5
1-Fluorodecane[e]	$C_{10}H_{21}F$	-22	0	27	64	113.3	185.7	5
Fluoroethane[e]	C_2H_5F		-142	-127	-106.3	-78.7	-37.9	1
2-Fluoroethanol[e]	C_2H_5FO			-22	8.3	47.5	99	5
Fluoroethene	C_2H_3F			-153.3	-135.2	-109.9	-72.2	5
1-Fluoroheptane[e]	$C_7H_{15}F$	-64	-45	-22	10	53.3	117.4	5
1-Fluorohexane[e]	$C_6H_{13}F$	-80	-62	-40	-11	30.4	91.1	5
Fluoromethane[a]	CH_3F				-130	-111	-78.6	1
1-Fluorooctane[e]	$C_8H_{17}F$				29	74.6	141.8	5
1-Fluoropentane[e]	$C_5H_{11}F$	-97	-80	-60	-32	5.7	62.4	5
1-Fluoropropane[e]	C_3H_7F	-133	-120	-103	-80.7	-49.4	-2.8	5
Fluorosulfonic acid[e]	FHO_3S	-14	4	28	59.1	101.3	162.2	5
2-Fluorotoluene[e]	C_7H_7F		-50	-26	5	49.0	113.9	5
3-Fluorotoluene[e]	C_7H_7F	-67	-48	-25	7	51.0	116.1	5
4-Fluorotoluene[e]	C_7H_7F		-48	-24	7	51	116.2	5
1-Fluoro-4-(trifluoromethyl)benzene[e]	$C_7H_4F_4$			-38	-6	38.6	102.3	5
Formaldehyde[a]	CH_2O				-91	-61.7	-19.3	1
Formamide[e]	CH_3NO		22	53	93	145.0	218	5
Formic acid	CH_2O_2	-56 s	-40.4 s	-22.3 s	-0.8 s	37.0	100.2	1,5
Francium[e]	Fr	131	181	246	335	465	673	2
Fumaric acid	$C_4H_4O_4$	123.9 s	150 s	180 s				5
Furan[e]	C_4H_4O			-78	-54	-20	31.0	1
Furfural[e]	$C_5H_4O_2$	-26	-8	16	47	92.4	161.4	1
Furfuryl alcohol[e]	$C_5H_6O_2$	-30	-5	25	62.6	109.3	169.7	5
Gadolinium[d]	Gd	1563	1755	1994	2300	2703	3262	3
Gallium	Ga	1037	1175	1347	1565	1852	2245	2
Geraniol[e]	$C_{10}H_{18}O$	4	31	63.2	104.3	157.7	229.6	5
Geranyl acetate	$C_{12}H_{20}O_2$			67.7	110.8	166.9	242.9	5
Germanium	Ge	1371	1541	1750	2014	2360	2831	2

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Germanium(IV) bromide	Br_4Ge				51	105	188	4
Glycerol[e]	$C_3H_8O_3$	96	113	136	168	213.4	287	1
Glycerol triacetate[e]	$C_9H_{14}O_6$	37.6	62	90	124	165	214	5
Glycolic acid	$C_2H_4O_3$						99.9	5
Gold	Au	1373	1541	1748	2008	2347	2805	2
Hafnium	Hf	2416	2681	3004	3406	3921	4603	9
Helium[a]	He					-270.6	-268.9	2
Heneicosane	$C_{21}H_{44}$	82.3	113.5	152.2	201.6	263.8	355.9	5
Heptacosane	$C_{27}H_{56}$	136.7	168.8	206.5	255.8	323.3	421.2	5
Heptadecane[e]	$C_{17}H_{36}$	51.5	78.5	112.0	155.3	214.5	302	16
1-Heptadecanol[e]	$C_{17}H_{36}O$	94	117	146	185	240.1	323.3	5
Heptanal[e]	$C_7H_{14}O$	-41	-21	4	37	83.7	152.3	5
Heptane	C_7H_{16}	-78.6	-60.2	-37.0	-6.6	35.4	98.0	16
1-Heptanethiol[e]	$C_7H_{16}S$	-30	-9	18	53	102.7	176.4	5
Heptanoic acid[e]	$C_7H_{14}O_2$	24	46	72	107	154.6	222.6	5
1-Heptanol[e]	$C_7H_{16}O$		17	40	70.1	112.5	176	1
2-Heptanol, (±)-[e]	$C_7H_{16}O$	-9	7	27	55.0	95.2	158.7	5
3-Heptanol, (*S*)-[e]	$C_7H_{16}O$	-8	7	27	54.5	93.9	156.3	5
4-Heptanol[e]	$C_7H_{16}O$	-16	1	22	51	91.9	154.6	5
2-Heptanone[e]	$C_7H_{14}O$		-22	3	36	82.2	150.6	1
3-Heptanone[e]	$C_7H_{14}O$		-28	0	36	83.2	147.0	5
4-Heptanone[e]	$C_7H_{14}O$	-27	-6	18.8	50.2	90.3	143.4	5
Heptanoyl chloride[e]	$C_7H_{13}ClO$	-17	4	29.4	59.7	96.9	144.0	5
1-Heptene	C_7H_{14}	-82.1	-63.8	-40.6	-10.7	31.1	93.2	1,5
cis-2-Heptene[e]	C_7H_{14}	-79	-61	-38	-8	34.3	98.0	5
trans-2-Heptene[e]	C_7H_{14}	-79	-61	-39	-8	34.0	97.5	5
cis-3-Heptene[e]	C_7H_{14}	-80	-62	-40	-10	32.3	95.3	5
trans-3-Heptene[e]	C_7H_{14}	-80	-62	-40	-10	32.2	95.2	5
Heptyl acetate[e]	$C_9H_{18}O_2$	-16	6	34	70	119.9	191.9	5
Heptylamine[e]	$C_7H_{17}N$			5	39	86.7	156.4	5
Heptylbenzene[e]	$C_{13}H_{20}$	12	36	66	107	162.7	246.2	5
Heptyl butanoate[e]	$C_{11}H_{22}O_2$	2	29	62	102.6	155.1	224.7	5
Heptylcyclohexane[e]	$C_{13}H_{26}$	11	34	65	105	160.9	244.3	5
Heptylcyclopentane[e]	$C_{12}H_{24}$	-1	22	51	90	143.5	223.5	5
1-Heptyne[e]	C_7H_{12}	-75	-57	-35	-5	37.1	99.5	5
2-Heptyne[e]	C_7H_{12}		-51	-27	4	46.9	111.5	5
3-Heptyne[e]	C_7H_{12}	-71	-53	-31	0	42.7	106.4	5
Hexachloro-1,3-butadiene[e]	C_4Cl_6	-1	22	50	86.7	137.0	209.7	5
Hexachloroethane	C_2Cl_6	-7.6 s	9.9 s	33.6 s	67.7 s	116.9 s	184.2 s	5
Hexachloropropene[e]	C_3Cl_6	-12	11	40	79	132.8	213.6	5
Hexacosane	$C_{26}H_{54}$	125.1	158.8	200.1	252.1	314.3	411.3	5
Hexadecane	$C_{16}H_{34}$	41.1	67.4	100.3	142.7	200.7	286.3	16
Hexadecanoic acid[e]	$C_{16}H_{32}O_2$		136	165	205	261.9	350.2	5
1-Hexadecanol[e]	$C_{16}H_{34}O$	99.5	130.6	171.9	175	229.0	311.7	5
1-Hexadecene	$C_{16}H_{32}$	38.4	65.0	98.1	140.5	198.8	284.3	5
Hexadecylamine[e]	$C_{16}H_{35}N$	63	91	126	171	232.6	320.5	5
trans-1,3-Hexadiene[e]	C_6H_{10}	-86	-70	-51	-24	14	72	5
trans-1,4-Hexadiene[e]	C_6H_{10}	-98	-81	-60	-33	7	65	5
1,5-Hexadiene[e]	C_6H_{10}	-99	-84	-64	-37	0.9	59.2	5
cis,cis-2,4-Hexadiene[e]	C_6H_{10}					18	79.6	5
trans,cis-2,4-Hexadiene[e]	C_6H_{10}	-89	-73	-52	-23	18	79.6	5
trans,trans-2,4-Hexadiene[e]	C_6H_{10}				-23	18	79.6	5
1,5-Hexadien-3-yne[e]	C_6H_6	-82	-66	-44.3	-16.0	23.7	83.6	5
Hexaethylbenzene	$C_{18}H_{30}$				144.1	206.8	297.5	5
Hexafluorobenzene	C_6F_6		-56.9 s	-36 s	-11.5 s	22.6	79.9	1,5
Hexafluoroethane[b]	C_2F_6			-155.2 s	-137.5 s	-113.4 s	-78.4 s	1,5
1,1,1,3,3,3-Hexafluoro-2-propanol	$C_3H_2F_6O$					12.7	57.1	5
Hexamethylbenzene	$C_{12}H_{18}$	46.3 s	72.5 s	81.7 s	121.8 s	178.3	263.7	5
Hexamethyldisiloxane[e]	$C_6H_{18}OSi_2$		-56	-34	-5	37.1	100.1	5
2,6,10,15,19,23-Hexamethyltetracosane[e]	$C_{30}H_{62}$	66	84	105.8	131.9	163.7	203.2	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Hexanal[e]	$C_6H_{12}O$	-56	-37	-13	19	62.6	127.8	5
Hexane	C_6H_{14}	-96.4 s	-79.2	-57.6	-29.3	9.8	68.3	16
1,6-Hexanediamine	$C_6H_{16}N_2$				76.0	128.2	199.0	5
Hexanedinitrile[e]	$C_6H_8N_2$	30	61	100	148.6	211.8	297	5
Hexanenitrile[e]	$C_6H_{11}N$	-40	-19	8	43	91.5	163.2	1,5
1-Hexanethiol[e]	$C_6H_{14}S$	-45	-25	1	35	81.7	152.2	5
2-Hexanethiol[e]	$C_6H_{14}S$	-50	-32	-8	25	69.9	138.4	5
1,2,6-Hexanetriol[e]	$C_6H_{14}O_3$	92	114.8	146.0	191			5
Hexanoic acid[e]	$C_6H_{12}O_2$		33	59	93	139.3	204.5	1
1-Hexanol[e]	$C_6H_{14}O$		5	28	56.8	97.3	157.1	1
2-Hexanol[e]	$C_6H_{14}O$	-28	-10	12	41.4	81.5	139.6	1
3-Hexanol[e]	$C_6H_{14}O$	-43	-23	1	33	75.4	135.1	1
2-Hexanone[e]	$C_6H_{12}O$	-43	-21	4.2	34.5	61.9	127.2	1,5
3-Hexanone[e]	$C_6H_{12}O$		-40	-16	15	58.5	123.1	1
cis-1,3,5-Hexatriene[e]	C_6H_8					21	78	5
1-Hexene	C_6H_{12}	-99.8	-82.8	-61.4	-33.7	5.2	63.1	1,5
cis-2-Hexene[e]	C_6H_{12}	-97	-80	-58	-30	9.9	68.5	5
trans-2-Hexene[e]	C_6H_{12}	-94	-78	-57	-30	9.3	67.5	5
cis-3-Hexene[e]	C_6H_{12}	-96	-79	-59	-30.8	7.9	66.0	5
trans-3-Hexene[e]	C_6H_{12}	-95	-79	-58	-30.0	8.8	66.7	5
Hexyl acetate[e]	$C_8H_{16}O_2$	-37	-13	16	52.8	100.4	164	5
Hexylamine[e]	$C_6H_{15}N$			-10	22	66.0	130.6	5
Hexylbenzene[e]	$C_{12}H_{18}$	-2	22	51	90	144.5	225.5	5
Hexylcyclohexane[e]	$C_{12}H_{24}$	-3	20	50	89	143.1	224.2	5
Hexylcyclopentane[e]	$C_{11}H_{22}$	-15	7	36	73	125.0	202.5	5
2-(Hexyloxy)ethanol[e]	$C_8H_{18}O_2$	-13	14	46	86	137.7	206.9	5
1-Hexyne[e]	C_6H_{10}	-91	-75	-54	-26	12.8	71.0	5
2-Hexyne[e]	C_6H_{10}	-84	-67	-46	-17	23.6	84.1	5
3-Hexyne[e]	C_6H_{10}	-86	-69	-48	-19.1	21.0	81.0	1,5
Holmium[d]	Ho	1159 s	1311 s	1502	1767	2137	2691	3
Hydrazine[e]	H_4N_2				14.7	55.6	113	5
Hydrazoic acid[e]	HN_3			-79	-54	-18.0	35.7	5
Hydrogen[a]	H_2					-258.6	-252.8	1
Hydrogen bromide[a]	BrH		-153.3 s	-140.4 s	-123.8 s	-101.5 s	-67.0	5
Hydrogen chloride[a]	ClH				-138.2 s	-118.0	-85.2	1,5
Hydrogen cyanide[a]	CHN			-77 s	-52.6 s	-22.7 s	25.4	1,5
Hydrogen disulfide[e]	H_2S_2				-27	12.2	70.7	5
Hydrogen fluoride[a]	FH				-71.1	-33.7	19.2	1,5
Hydrogen iodide[a]	HI	-146 s	-135.2 s	-120.8 s	-101.9 s	-75.9 s	-35.9	5
Hydrogen peroxide[e]	H_2O_2			13	45	89.0	149.8	5
Hydrogen selenide	H_2Se	-145 s	-134 s	-120 s	-102.8 s	-78.9 s	-41.5	5
Hydrogen sulfide[a]	H_2S		-149 s	-136 s	-118.9 s	-95.9 s	-60.5	1,5
Hydrogen telluride	H_2Te					-46.6	-2.3	5
Hydroxylamine	H_3NO				43.7	73.3	109.8	4
3-Hydroxypropanenitrile[e]	C_3H_5NO	-11	18	53	96.1	150.3	220.8	5
Indan[e]	C_9H_{10}	-33	-12	16	52	102.3	177.5	1
Indene[e]	C_9H_8			12	53.0	106.8	181.0	5
Indium	In	923	1052	1212	1417	1689	2067	2
Indium(III) bromide	Br_3In			304.6 s	328.7 s	364.8 s		1
1*H*-Indole	C_8H_7N	20.6 s	44.5 s				254.0	5
Iodine	I_2	-12.8 s	9.3 s	35.9 s	68.7 s	108 s	184.0	1,2
Iodobenzene[e]	C_6H_5I	-30	-7	20.9	58.5	110.6	187.8	1
1-Iodobutane[e]	C_4H_9I	-62	-43	-19	14	60.5	130.0	5
2-Iodobutane, (±)-[e]	C_4H_9I	-70	-51	-27	5	50	119.5	5
Iodoethane[e]	C_2H_5I	-94	-78	-56	-27.9	11.9	71.9	5
Iodoethene[e]	C_2H_3I				-41	-3	55.6	5
1-Iodoheptane[e]	$C_7H_{15}I$	-19	3	32	71	123.8	203.4	5
1-Iodohexane[e]	$C_6H_{13}I$	-33	-11	16	53	104.0	180.8	5
Iodomethane[e]	CH_3I				-49	-12.4	42.1	1
1-Iodo-3-methylbutane[e]	$C_5H_{11}I$		-34	-6.6	28.8	77.3	147.8	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
1-Iodo-2-methylpropane[e]	C_4H_9I		-47	-21.4	12.0	56.8	120.0	5
2-Iodo-2-methylpropane[e]	C_4H_9I	-75.1 s	-58.8 s	-39.5 s	-5.2	41	100.0	5
1-Iodooctane[e]	$C_8H_{17}I$	-6	18	48	87	142.5	224.5	5
1-Iodopentane[e]	$C_5H_{11}I$	-47	-27	-1	34	83.0	156.5	5
1-Iodopropane[e]	C_3H_7I	-78	-60	-37	-6	36.9	102.0	5
2-Iodopropane[e]	C_3H_7I	-89	-71	-47	-16.3	26.5	89.2	5
3-Iodopropene[e]	C_3H_5I	-80	-62	-39	-8	36	101.5	5
Iodosilane	H_3ISi				-47.7	-10.1	45.2	4
2-Iodothiophene[e]	C_4H_3IS			-25	23	94.9	181.0	5
Iridium	Ir	2440 s	2684	2979	3341	3796	4386	2
Iridium(VI) fluoride	F_6Ir	-88 s	-71 s	-51 s	-27 s	3.8 s	53.1	26
Iron	Fe	1455 s	1617	1818	2073	2406	2859	2
Iron(II) chloride	Cl_2Fe				685	821	1025	4
Iron(III) chloride	Cl_3Fe	118 s	153 s	190 s	229 s	268 s	319	4
Iron pentacarbonyl	C_5FeO_5				0	44	105	4
Isobutanal[e]	C_4H_8O			-56	-29	8	63.8	1
Isobutane[a]	C_4H_{10}		-129.0	-113.0	-90.9	-59.4	-12.0	1,41
Isobutene	C_4H_8	-139.1	-125.5	-108.2	-85.5	-54.5	-7.3	1,5
Isobutyl acetate[e]	$C_6H_{12}O_2$	-63	-45	-21	10	53.4	116	5
Isobutylamine[e]	$C_4H_{11}N$	-85	-70	-50	-24.5	12.0	67.3	5
Isobutylbenzene[e]	$C_{10}H_{14}$	-36	-15	12	47.9	97.8	172.3	5
Isobutylcyclohexane[e]	$C_{10}H_{20}$	-37	-16	10	46	95.9	170.8	5
Isobutylcyclopentane[e]	C_9H_{18}	-105	-88	-64	-28	31	147.0	5
Isobutyl formate[e]	$C_5H_{10}O_2$	-69	-53	-31	-3	37.4	97.6	5
Isobutyl isobutanoate[e]	$C_8H_{16}O_2$	-47	-26	0.4	34.8	81.1	147.0	5
Isobutyl 3-methylbutanoate	$C_9H_{18}O_2$			11.3	48.3	97.9	168.3	5
Isobutyl nitrate[e]	$C_4H_9NO_3$			-18	15.1	59.2	123.0	5
Isobutyl propanoate[e]	$C_7H_{14}O_2$	-35	-19	2	31	72.0	136.1	5
Isobutyl vinyl ether[e]	$C_6H_{12}O$	-87	-68	-44	-13	26.5	80.7	5
Isoeugenol[e]	$C_{10}H_{12}O_2$				125	185.3	267.1	5
Isopentane[e]	C_5H_{12}	-119	-105	-86	-61	-26	27.5	1
Isopentyl acetate[e]	$C_7H_{14}O_2$	-51	-30	-4	30.3	76.2	141.4	5
Isopentyl butanoate[e]	$C_9H_{18}O_2$				55	105.6	178.4	5
Isopentyl formate[e]	$C_6H_{12}O_2$	-60	-41	-17	15	59.1	124	5
Isopentyl isopentanoate[e]	$C_{10}H_{20}O_2$			22	62.8	116.9	193.6	5
Isopentyl propanoate	$C_8H_{16}O_2$			3.1	40.7	90.6	159.8	5
Isophorone[e]	$C_9H_{14}O$		1	33.1	75.1	132.4	215.1	5
Isopropenylbenzene	C_9H_{10}			3.2	41.5	92.8	164.9	5
p-Isopropenylisopropylbenzene[e]	$C_{12}H_{16}$	-11	15	46	87	142.4	221	5
Isopropyl acetate[e]	$C_5H_{10}O_2$		-61	-40	-11	29.8	88.2	5
Isopropylamine[e]	C_3H_9N		-91	-74	-50.4	-17.6	31.5	1,5
4-Isopropylbenzaldehyde	$C_{10}H_{12}O$			54.1	96.0	152.2	231.5	5
Isopropylbenzene[e]	C_9H_{12}	-46	-26	-1	33	80.9	152.0	1
Isopropyl chloroacetate[e]	$C_5H_9ClO_2$			-2	35.0	83.3	148.1	5
Isopropylcyclohexane[e]	C_9H_{18}	-48	-28	-2	33	81.3	154.0	5
Isopropylcyclopentane[e]	C_8H_{16}	-65	-46	-21	12	57.3	125.9	5
Isopropylcyclopropane[e]	C_6H_{12}	-104	-88	-68	-40	-1	57.9	5
Isopropyl formate[e]	$C_4H_8O_2$	-80	-65	-47	-22.2	13.2	67.7	5
Isopropyl isobutanoate[e]	$C_7H_{14}O_2$		-44	-19.7	12.2	56.0	120.1	5
5-Isopropyl-2-methylaniline[e]	$C_{10}H_{15}N$	19	43	72	107.4	150	204	5
1-Isopropyl-2-methylbenzene[e]	$C_{10}H_{14}$	-39	-16	13	51	103.1	177.8	5
1-Isopropyl-3-methylbenzene[e]	$C_{10}H_{14}$	-34	-13	14	50	99.9	174.6	5
1-Isopropyl-4-methylbenzene[e]	$C_{10}H_{14}$	-33	-12	16	52	102.2	176.6	5
Isopropyl methyl ether[e]	$C_4H_{10}O$				-56	-21.2	30.4	5
Isopropyl methyl sulfide[e]	$C_4H_{10}S$	-85	-68	-46	-17	23.4	84.3	5
1-Isopropylnaphthalene[e]	$C_{13}H_{14}$	27	51	82	123.2	180.8	267.3	5
Isopropyl propyl sulfide	$C_6H_{14}S$				18.5	63.8	131.6	5
4-Isopropylstyrene[e]	$C_{11}H_{14}$	-25	-1	30.2	70.3	124.5	202.1	5
Isoquinoline	C_9H_7N		30.2	60.7	101.3	157.9	242.7	1,5
Ketene[e]	C_2H_2O		-151	-135	-115	-88.2	-50.0	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Krypton[a]	Kr	-214.0 s	-208.0 s	-199.4 s	-188.9 s	-174.6 s	-153.6	5
Lanthanum[d]	La	1732	1935	2185	2499	2905	3453	3
Lead	Pb	705	815	956	1139	1387	1754	2
Lead(II) bromide	Br_2Pb	374	431	502	597	726	914	4
Lead(II) chloride[e]	Cl_2Pb			541	637	765	949	23
Lead(II) fluoride	F_2Pb				865	1054	1292	4
Lead(II) iodide	I_2Pb			470	558	682	869	4
Lead(II) oxide (massicot)	OPb	724	816	928	1065	1241	1471	4
Lead(II) sulfide	PbS	656 s	741 s	838 s	953 s	1088 s	1280	4
d-Limonene[e]	$C_{10}H_{16}$	-45	-21	9.1	48.0	100.4	174.5	5
l-Limonene[e]	$C_{10}H_{16}$	-33	-12	16	52.0	102.3	177.0	21
Lithium	Li	524.3	612.3	722.1	871.2	1064.3	1337.1	13,30
Lithium bromide	BrLi		630	733	868	1049	1308	4
Lithium chloride[d]	ClLi		649	761	905	1101	1381	8
Lithium fluoride	FLi	801 s	896	1024	1188	1395	1672	4,12,25
Lithium iodide	ILi	545	619	710	824	972	1170	4
Lutetium[d]	Lu	1633 s	1829.8	2072.8	2380	2799	3390	3
Magnesium	Mg	428 s	500 s	588 s	698	859	1088	2
Magnesium chloride	Cl_2Mg			762	908	1111	1414	4
Maleic anhydride	$C_4H_2O_3$				73.7	127.9	201.7	5
Manganese	Mn	955 s	1074 s	1220 s	1418	1682	2060	2
Manganese(II) chloride	Cl_2Mn				760	933	1189	4
Mercury[b]	Hg	42.0	76.6	120.0	175.6	250.3	355.9	29,30
Mercury(II) bromide	Br_2Hg	71 s	98 s	132 s	174 s	227 s	318	4
Mercury(II) chloride	Cl_2Hg	64.4 s	94.7 s	130.8 s	174.5 s	228.5 s	304.0	4
Mercury(II) iodide (red)	HgI_2	85.1 s	115.6 s	152.4 s	197.8 s	255.1 s	353.6	4
Mesityl oxide[e]	$C_6H_{10}O$	-56	-37	-13	19	63.5	129.3	5
Methacrylic acid[e]	$C_4H_6O_2$			22	56	99.9	161.5	5
Methane[a]	CH_4	-220 s	-214.2 s	-206.8 s	-197 s	-183.6 s	-161.7	5,41
Methanethiol[e]	CH_4S		-115	-97	-74	-41.7	5.7	1
Methanol[a]	CH_4O	-87	-69	-47.5	-20.4	15.2	64.2	11
4-Methoxybenzaldehyde[e]	$C_8H_8O_2$	9	35	68.1	110.8	167.9	248.5	5
2-Methoxyethanol[e]	$C_3H_8O_2$	-57	-37	-12	21	63.8	124.3	1
2-Methoxyethyl acetate[e]	$C_5H_{10}O_3$	-47	-26	0	34	79.4	144.1	5
4-Methoxy-4-methyl-2-pentanone[e]	$C_7H_{14}O_2$				43	89.8	160	5
1-Methoxy-4-(2-propenyl)benzene	$C_{10}H_{12}O$			48.5	88.0	140.7	214.6	5
N-Methylacetamide[e]	C_3H_7NO	-13.3 s	13 s	43	83.8	136.1	206.3	5
Methyl acetate[e]	$C_3H_6O_2$	-95	-79	-59	-33	3.3	56.6	1
Methyl acetoacetate	$C_5H_8O_3$				50.1	101.1	171.3	5
Methyl acrylate[e]	$C_4H_6O_2$		-71	-48	-18	22	79.9	5
2-Methylacrylonitrile[e]	C_4H_5N				-12	29.0	89.8	5
Methylamine	CH_5N				-76.7	-48.1	-6.6	1
2-Methylaniline	C_7H_9N	1.0	18.8	42.6	76.1	125.6	199.9	1,5
3-Methylaniline	C_7H_9N	3.8	22.0	46.2	80.1	128.8	202.9	1,5
4-Methylaniline	C_7H_9N				77.1	126.2	199.9	5
N-Methylaniline[e]	C_7H_9N	-16	6	34	70.3	121.1	195.8	1
4-Methyl-1,3-benzenediamine	$C_7H_{10}N_2$			100.4	145.3	202.9	279.5	5
3-Methylbenzenethiol[e]	C_7H_8S		0	29	66	117.9	194.6	5
Methyl benzoate[e]	$C_8H_8O_2$		-1	29	68	121.2	198.9	5
2-Methylbenzonitrile[e]	C_8H_7N		1	32.1	72.2	126.6	204.7	5
4-Methylbenzonitrile	C_8H_7N			40.1	78.7	134.3	221.3	5
1-Methylbicyclo[3.1.0]hexane	C_7H_{12}					29.8	92.6	5
3-Methyl-1,2-butadiene[e]	C_5H_8	-111	-95	-75	-49.2	-13.1	40.4	5
2-Methyl-1,3-butadiene[e]	C_5H_8	-115	-100	-81	-55.4	-19.7	33.7	1,5
2-Methyl-1-butanethiol, (+)	$C_5H_{12}S$				8.0	52.3	118.5	5
3-Methyl-1-butanethiol	$C_5H_{12}S$				7.8	51.9	117.9	5
2-Methyl-2-butanethiol	$C_5H_{12}S$				-8.0	34.6	98.7	5
Methyl butanoate[e]	$C_5H_{10}O_2$	-68	-50	-28	0.9	41.7	102.3	5
2-Methylbutanoic acid[e]	$C_5H_{10}O_2$	-10	10	36	69	112.8	175.2	5
3-Methylbutanoic acid[e]	$C_5H_{10}O_2$	-15.8	4	30.0	64.7	110.6	176.1	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
2-Methyl-1-butanol, (±)-[e]	$C_5H_{12}O$	-27	-11	9	36.2	73.4	128.3	1
3-Methyl-1-butanol[e]	$C_5H_{12}O$	-22	-7	13	39.1	75.7	130.1	5
2-Methyl-2-butanol[e]	$C_5H_{12}O$			-5	17.7	50.6	101.7	1,5
3-Methyl-2-butanol, (±)-[e]	$C_5H_{12}O$			-3	22.7	58.2	111.1	5
3-Methyl-2-butanone[e]	$C_5H_{10}O$	-69	-54	-34	-6.9	32.2	94.0	1,5
2-Methyl-1-butene	C_5H_{10}	-117.7	-102.2	-82.7	-57.2	-21.9	30.8	1,5
3-Methyl-1-butene	C_5H_{10}	-125.0	-110.1	-91.2	-66.7	-32.1	19.7	1,5
2-Methyl-2-butene	C_5H_{10}	-113.4	-97.6	-77.7	-51.6	-15.8	38.2	1,5
3-Methyl-3-buten-2-one[e]	C_5H_8O			-35	-5	36.0	97.3	5
3-Methylbutyl benzoate[e]	$C_{12}H_{16}O_2$			66	115.0	177.7	261.4	5
Methyl *tert*-butyl ether[e]	$C_5H_{12}O$			-66	-39	-2	54.8	1
3-Methylbutyl nitrate[e]	$C_5H_{11}NO_3$		-26	1.0	35.5	81.7	147.0	5
3-Methyl-1-butyne[e]	C_5H_8			-82	-57.5	-23.1	28.6	5
Methyl chloroacetate[e]	$C_3H_5ClO_2$		-28	-5	25	66.9	129.1	5
Methyl cyanoacetate[e]	$C_4H_5NO_2$	-3	19	48	84	134.0	204.6	5
Methylcyclohexane[e]	C_7H_{14}	-79	-62	-39	-7.9	35.5	100.5	1
1-Methylcyclohexene[e]	C_7H_{12}	-72	-53	-30	1	45	109.8	5
4-Methylcyclohexene[e]	C_7H_{12}	-76	-59	-36	-5	37.9	102.3	5
Methylcyclopentane[e]	C_6H_{12}	-97	-80	-58	-28.8	11.6	71.4	1,5
Methylcyclopropane[e]	C_4H_8	-130	-116	-99.3	-76.3	-44.2	4.2	5
2-Methyldecane[e]	$C_{11}H_{24}$	-20	1	28	64	114.0	188.7	5
3-Methyldecane[e]	$C_{11}H_{24}$	-35	-10	22	61.9	115.6	190.4	5
4-Methyldecane[e]	$C_{11}H_{24}$	-38	-12	20	60.8	113.9	186.4	5
Methyl decanoate[e]	$C_{11}H_{22}O_2$	10	33	62	100.9	154.0	232	5
Methyl dichloroacetate[e]	$C_3H_4Cl_2O_2$	-44	-25	0	33	77.7	142.3	5
Methyldifluoroarsine[e]	CH_3AsF_2				-15	22.1	76.1	5
2-Methyl-*N*,*N*-dimethylaniline[e]	$C_9H_{13}N$	-25	-3	24.4	60.6	110.7	184.5	5
Methyl dimethylthioborane[e]	C_3H_9BS			-62	-30.4	11.4	70.7	5
Methyldiphenylamine[e]	$C_{13}H_{13}N$	35	63	98.4	143.1	201.6	281.6	5
Methyl dodecanoate[e]	$C_{13}H_{26}O_2$	38	61	90	130	184.9	269	5
Methylenecyclohexane[e]	C_7H_{12}	-76	-58	-35	-5	38	103.0	5
N-Methylformamide[e]	C_2H_5NO		13	41	78	127.9	199.1	1
Methyl formate[e]	$C_2H_4O_2$		-95	-76	-51.8	-18.1	31.4	5
2-Methylfuran[e]	C_5H_6O			-66	-35	6	64.5	1
2-Methylheptane[e]	C_8H_{18}	-69	-49.1	-24.5	7.6	51.6	117.2	1,5
3-Methylheptane[e]	C_8H_{18}	-67	-48.1	-23.6	8.5	52.7	118.5	1,5
4-Methylheptane[e]	C_8H_{18}	-65	-47	-24	7.8	51.6	117.2	5
Methyl heptanoate[e]	$C_8H_{16}O_2$	-30	-9	19	54.2	102.4	172	5
3-Methyl-3-heptanol[e]	$C_8H_{18}O$	-13	4	26	55	96.3	160.3	5
4-Methyl-3-heptanol[e]	$C_8H_{18}O$	-52	-28	1	39	87.6	155.0	5
5-Methyl-3-heptanol[e]	$C_8H_{18}O$	-35	-16	8	40	84.8	153.0	5
4-Methyl-4-heptanol[e]	$C_8H_{18}O$	-17	1	24	55	97.2	160.7	5
2-Methyl-1-heptene[e]	C_8H_{16}	-66	-48	-24	8	52.3	118.7	5
2-Methylhexane[e]	C_7H_{16}	-82	-65	-43	-13	27.8	89.7	1
3-Methylhexane[e]	C_7H_{16}	-81	-64	-42	-12	29.2	91.5	1
Methyl hexanoate[e]	$C_7H_{14}O_2$	-47	-26	2	36.6	83.3	149	5
5-Methyl-2-hexanone[e]	$C_7H_{14}O$		-27	-2	31.0	76.6	144.4	5
2-Methyl-1-hexene[e]	C_7H_{14}	-81	-64	-42	-12	29.3	91.6	5
4-Methyl-1-hexene[e]	C_7H_{14}	-84	-67	-45	-16	25.3	86.3	5
2-Methyl-2-hexene[e]	C_7H_{14}	-80	-63	-40	-10	32.0	95.0	5
cis-3-Methyl-2-hexene[e]	C_7H_{14}	-79	-62	-39	-9	33.4	96.8	5
trans-4-Methyl-2-hexene[e]	C_7H_{14}	-83	-66	-44	-15	25.9	87.1	5
trans-5-Methyl-2-hexene[e]	C_7H_{14}	-83	-66	-44	-15	26.3	87.7	5
trans-2-Methyl-3-hexene[e]	C_7H_{14}	-84	-67	-45	-16	24.6	85.5	5
5-Methyl-1-hexyne[e]	C_7H_{12}	-80	-62	-40	-11	30.1	91.4	5
5-Methyl-2-hexyne[e]	C_7H_{12}	-75	-57	-34	-4	38.6	102.0	5
2-Methyl-3-hexyne[e]	C_7H_{12}	-78	-61	-39	-9	32.6	94.8	5
Methylhydrazine[e]	CH_6N_2			-31	-4.7	32.9	91	1
Methyl isobutanoate[e]	$C_5H_{10}O_2$	-83	-65	-41	-11	31	92.1	5
Methyl isocyanate	C_2H_3NO				-43.5	-10.2	38.8	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Methyl isopentanoate	$C_6H_{12}O_2$					53.3	116.3	5
Methyl methacrylate[e]	$C_5H_8O_2$			-31	-1	39.7	100.0	1
1-Methylnaphthalene[e]	$C_{11}H_{10}$	5	29	60	102	159.1	244.1	1
2-Methylnaphthalene[e]	$C_{11}H_{10}$			57	99	156.0	240.5	1
Methyl nitrate[e]	CH_3NO_3		-75	-55	-27	9.8	63	5
Methyl 2-nitrobenzoate[e]	$C_8H_7NO_4$	17	49	89	140	208	302	5
2-Methylnonane[e]	$C_{10}H_{22}$	-34	-14	12	47	94.8	166.5	5
3-Methylnonane[e]	$C_{10}H_{22}$	-34	-14	12	47	95.1	167.3	5
4-Methylnonane[e]	$C_{10}H_{22}$	-36	-16	10	45	93.1	165.2	5
5-Methylnonane[e]	$C_{10}H_{22}$	-36	-16	10	45	92.6	164.6	5
2-Methyloctane[e]	C_9H_{20}	-49	-30	-5	28	73.9	142.8	5
3-Methyloctane[e]	C_9H_{20}	-49	-29	-5	29	74.7	143.7	5
4-Methyloctane[e]	C_9H_{20}	-50	-30	-6	27	73.2	141.9	5
Methyl octanoate[e]	$C_9H_{18}O_2$	-26	-9	13	40	76	127.9	5
2-Methyl-1-octene[e]	C_9H_{18}	-53	-34	-9	25	72	144.1	5
Methyl *cis*-9-octadecenoate[e]	$C_{19}H_{36}O_2$	85	114	149.7	195.6	256	340	5
Methyloxirane[e]	C_3H_6O	-109	-95	-76	-51.5	-17.2	33.9	5
Methyl hexadecanoate[e]	$C_{17}H_{34}O_2$	65	93	129	177			4
cis-2-Methyl-1,3-pentadiene[e]	C_6H_{10}	-92	-75	-54	-26	14	75.6	5
2-Methylpentane[e]	C_6H_{14}	-100	-84	-64	-36	2	59.9	1
3-Methylpentane[e]	C_6H_{14}	-99	-83	-62	-34.3	4.6	62.9	1
2-Methyl-2,4-pentanediol[e]	$C_6H_{14}O_2$	-8	17	48	86	134.4	197.5	5
4-Methylpentanenitrile[e]	$C_6H_{11}N$		-50	-20	20	75.2	155.2	5
Methyl pentanoate	$C_6H_{12}O_2$				19.2	63.7	127.4	5
4-Methylpentanoic acid[e]	$C_6H_{12}O_2$	36	49	67.1	92.9	133.6	206.8	5
2-Methyl-1-pentanol[e]	$C_6H_{14}O$			14	45.9	88.3	147.6	5
4-Methyl-1-pentanol[e]	$C_6H_{14}O$			24	53	92.4	151.4	5
2-Methyl-2-pentanol[e]	$C_6H_{14}O$	-29	-15	3	27.1	63.0	120.9	5
3-Methyl-2-pentanol	$C_6H_{14}O$				36.5	76.1	133.8	5
4-Methyl-2-pentanol[e]	$C_6H_{14}O$	-43	-24	0	30	71.9	131.3	5
2-Methyl-3-pentanol	$C_6H_{14}O$				29.8	68.8	126.0	5
3-Methyl-3-pentanol[e]	$C_6H_{14}O$		-23	-4	22.9	61.1	121.1	5
3-Methyl-2-pentanone, (±)-	$C_6H_{12}O$				8.5	52.7	117.0	5
4-Methyl-2-pentanone[e]	$C_6H_{12}O$	-61	-43	-21	9	51.5	116.1	5
2-Methyl-3-pentanone	$C_6H_{12}O$					50.2	113.0	5
2-Methyl-1-pentene[e]	C_6H_{12}	-98	-82	-62	-34.2	4.1	61.7	5
3-Methyl-1-pentene[e]	C_6H_{12}	-104	-88	-68	-41.5	-3.6	53.8	5
4-Methyl-1-pentene[e]	C_6H_{12}	-105	-89	-69	-41.6	-3.6	53.5	5
2-Methyl-2-pentene[e]	C_6H_{12}	-95	-78	-58	-30	9.0	66.9	5
3-Methyl-*cis*-2-pentene[e]	C_6H_{12}	-95	-79	-58	-30	8.9	67.3	5
3-Methyl-*trans*-2-pentene[e]	C_6H_{12}	-93	-77	-55	-27.4	11.7	70.0	5
4-Methyl-*cis*-2-pentene[e]	C_6H_{12}	-102	-86	-66	-38.7	-0.9	56.0	5
4-Methyl-*trans*-2-pentene[e]	C_6H_{12}	-100	-84	-64	-36.8	1.2	58.2	5
4-Methyl-4-penten-2-one[e]	$C_6H_{10}O$	-59	-41	-17	14	57.0	121.0	5
4-Methyl-1-pentyne[e]	C_6H_{10}	-97	-81	-61	-34	4.1	60.7	5
4-Methyl-2-pentyne[e]	C_6H_{10}	-91	-74	-54	-26	13.8	72.7	5
N-Methylpropanamide[e]	C_4H_9NO				81.1	105		5
2-Methyl-1-propanethiol[e]	$C_4H_{10}S$		-66	-44	-15	26.5	88.1	5
2-Methyl-2-propanethiol	$C_4H_{10}S$					5.8	63.8	5
Methyl propanoate[e]	$C_4H_8O_2$	-80	-64	-43	-15.8	22.2	79.0	1
2-Methylpropanoic acid	$C_4H_8O_2$	-30.1	-8.2	18.1	50.5	92.9	154.0	5
2-Methyl-1-propanol[e]	$C_4H_{10}O$	-39	-24	-5	20.9	56.0	107.6	1,5
2-Methyl-2-propanol	$C_4H_{10}O$					34.4	82.1	1,5
2-Methyl-2-propenoyl chloride[e]	C_4H_5ClO		-57	-35	-5	36.4	98.2	5
1-Methyl-2-propylbenzene[e]	$C_{10}H_{14}$	-27	-6	22	58.2	108.9	184.3	5
1-Methyl-3-propylbenzene[e]	$C_{10}H_{14}$	-29	-8	20	56.1	106.5	181.3	5
1-Methyl-4-propylbenzene[e]	$C_{10}H_{14}$	-29	-7	20	56.6	107.4	182.8	5
cis-1-Methyl-2-propylcyclopentane[e]	C_9H_{18}	-52	-33	-7	28	77	152.0	5
trans-1-Methyl-2-propylcyclopentane[e]	C_9H_{18}	-56	-36	-11	23	72	145.8	5
Methyl propyl ether[e]	$C_4H_{10}O$				-40	-11.3	38.7	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Methyl propyl sulfide[e]	$C_4H_{10}S$	-78	-61	-38	-8	33.1	95.1	5
2-Methylpyridine	C_6H_7N	-56.5	-37.8	-13.9	18.3	62.9	129.0	1,5
3-Methylpyridine[e]	C_6H_7N			-5	28.8	75.2	143.7	1
4-Methylpyridine	C_6H_7N	-58.2 s	-43.1 s	-3.9 s	29.6	76.1	144.9	1,5
1-Methylpyrrole[e]	C_5H_7N				8	49.9	112.3	5
N-Methylpyrrolidine[e]	$C_5H_{11}N$				-23	18.5	78	5
N-Methyl-2-pyrrolidinone[e]	C_5H_9NO	1	24	53.1	92.3	147.2	229	5
2-Methylquinoline	$C_{10}H_9N$	5.3	31.9	63.8	102.9	165.8	247.2	5
4-Methylquinoline[e]	$C_{10}H_9N$	29	54	85	127	183.0	265.1	5
6-Methylquinoline[e]	$C_{10}H_9N$	27	51	81	122	179.2	264.5	5
8-Methylquinoline[e]	$C_{10}H_9N$	15	40	70	111	166.1	247.3	5
Methyl salicylate[e]	$C_8H_8O_3$	-1	22	51	88.8	141.8	219.9	5
Methylsilane[e]	CH_6Si			-144	-124.6	-97.5	-57.5	5
Methyl silicate	$C_4H_{12}O_4Si$				14.4	59.3	119.7	5
Methyl silyl ether[e]	CH_6OSi				-90.2	-61.8	-18	1
Methyl tetradecanoate[e]	$C_{15}H_{30}O_2$		75	110	155	214	295	4
2-Methyltetrahydrofuran[e]	$C_5H_{10}O$				-20	19.7	79.8	5
4-Methylthiazole	C_4H_5NS						67.0	5
Methyl thiocyanate	C_2H_3NS			-18.4	16.2	63.5	132.5	5
2-Methylthiophene[e]	C_5H_6S		-58	-32	2	47.9	112.2	1
3-Methylthiophene[e]	C_5H_6S		-53	-28	6	50.6	115.1	1
Methyl 10-undecenoate[e]	$C_{12}H_{22}O_2$	10	38	73	116	172.2	247.1	5
Methyl vinyl ether[e]	C_3H_6O			-114	-89	-52.7	4.6	1
Molybdenum	Mo	2469 s	2721	3039	3434	3939	4606	2
Molybdenum carbonyl	C_6MoO_6		17.4 s	42.8 s	73.1 s	109.9 s	155.4 s	5
Molybdenum(V) fluoride[e]	F_5Mo				86.6	140.3	213	26
Molybdenum(VI) fluoride	F_6Mo	-98 s	-82 s	-64 s	-41.2 s	-13.4 s	33.5	26
Molybdenum(VI) oxide	MoO_3				801	935	1151	4
Molybdenum(VI) oxytetrafluoride	F_4MoO	-21 s	3 s	33 s	69.3 s	117.3	184.1	26
Morpholine[e]	C_4H_9NO				21	64.5	128.5	1
β-Myrcene	$C_{10}H_{16}$			9.4	47.3	98.3	171.0	5
Myristicin[e]	$C_{11}H_{12}O_3$	23	53	88.9	135.2	196.0	279.4	5
Naphthalene[b]	$C_{10}H_8$	3.2 s	24.1 s	49.3 s	80.7	135.6	217.5	1,5
1-Naphthalenecarboxylic acid	$C_{11}H_8O_2$				191.9	239.3	299.6	5
2-Naphthalenecarboxylic acid	$C_{11}H_8O_2$				197.9	246.0	308.1	5
1-Naphthol	$C_{10}H_8O$				137.2	196.7	281.8	5
2-Naphthol	$C_{10}H_8O$				140.7	200.5	286.8	5
1-Naphthylamine[e]	$C_{10}H_9N$		62	99.0	146.9	210.7	300.1	5
2-Naphthylamine	$C_{10}H_9N$	36.3 s	65.9 s	103 s	150.9	215.1	305.5	5
Neodymium[d]	Nd	1322.3	1501.2	1725.3	2023	2442	3063	3
Neon[a]	Ne	-261 s	-260 s	-258 s	-255 s	-252 s	-246.1	2
Neopentane[a]	C_5H_{12}		-107.5 s	-90.8 s	-68.8 s	-38.5 s	9.2	1,5
Nickel	Ni	1510	1677	1881	2137	2468	2911	2
Nickel carbonyl [$Ni(CO)_4$]	C_4NiO_4					-12	42	4
Nickel(II) chloride	Cl_2Ni	534 s	592 s	662 s	747 s	852 s	985 s	4
Niobium	Nb	2669	2934	3251	3637	4120	4740	2
Niobium(V) fluoride	F_5Nb				80	140	224	4
Nitric acid[e]	HNO_3			-37	-9	28.4	82.2	5
Nitric oxide[a]	NO	-201 s	-195 s	-188 s	-179.3 s	-168.1 s	-151.9	5
4-Nitroaniline	$C_6H_6N_2O_2$	87.8 s			192.0	252.6	331.2	5
2-Nitroanisole[e]	$C_7H_7NO_3$	15	45	82	129	189.4	271.8	5
Nitrobenzene[e]	$C_6H_5NO_2$		10	40	78	132	210.3	1
Nitroethane[e]	$C_2H_5NO_2$	-61	-44	-21	8.3	50.1	113.5	5
Nitrogen[a]	N_2	-236 s	-232 s	-226.8 s	-220.2 s	-211.1 s	-195.9	1,5
Nitrogen pentoxide	N_2O_5	-71 s	-56 s	-40 s	-19.9 s	3.9 s	33.2	5
Nitrogen tetroxide	N_2O_4	-92 s	-78 s	-61 s	-41.1 s	-16.6 s	28.7	5
Nitrogen trichloride[e]	Cl_3N				-25	13.2	70.6	5
Nitrogen trifluoride[a]	F_3N	-201	-194	-185	-172.8	-155.5	-129.2	5
Nitromethane[e]	CH_3NO_2				-2	40	100.8	1
4-Nitrophenol	$C_6H_5NO_3$	72.6 s	97.4 s					5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
1-Nitropropane[e]	$C_3H_7NO_2$	-56	-37	-13	20	64.8	130.8	1
2-Nitropropane[e]	$C_3H_7NO_2$		-48	-22	10.7	55.6	119.8	1
N-Nitrosodimethylamine	$C_2H_6N_2O$				30.7	80.5	149.8	5
Nitrosyl chloride	ClNO		-116 s	-100 s	-78.7 s	-50.2	-5.7	5
Nitrosyl fluoride[e]	FNO			-131	-116.1	-94.3	-60.1	5
2-Nitrotoluene[e]	$C_7H_7NO_2$	23	40	62	94	141.9	221.9	5
3-Nitrotoluene[e]	$C_7H_7NO_2$			45	89.7	148.7	231.3	5
1-Nitro-3-(trifluoromethyl)benzene[e]	$C_7H_4F_3NO_2$		11	39	76.2	127.3	202.2	5
Nitrous oxide[a]	N_2O	-167 s	-157 s	-145.4 s	-131.1 s	-112.9 s	-88.7	5
Nitryl chloride[e]	$ClNO_2$	-121	-113	-102	-86.1	-60.9	-15.7	5
Nitryl fluoride[e]	FNO_2		-156	-144	-128.1	-106.0	-72.6	5
Nonacosane	$C_{29}H_{60}$	148.2	182.8	221.2	271.5	340.2	439.7	5
Nonadecane[e]	$C_{19}H_{40}$	71.1	99.1	133.8	178.8	240.1	330	16
Nonanal[e]	$C_9H_{18}O$		-3	27.4	65.5	115.6	184.6	5
Nonane	C_9H_{20}	-46.8	-26.0	0.0	34.0	80.8	150.3	16
Nonanenitrile[e]	$C_9H_{17}N$	-3	21	50.9	90.7	145.4	225.1	5
1-Nonanethiol[e]	$C_9H_{20}S$	-2	21	49	87	140.4	219.2	5
Nonanoic acid[e]	$C_9H_{18}O_2$	48	69	97	133	182.7	255.1	5
1-Nonanol[e]	$C_9H_{20}O$		40	64	96.9	141.0	213.0	5,39
3-Nonanol, (±)-[e]	$C_9H_{20}O$		24	47	78	123.0	194.2	5
4-Nonanol[e]	$C_9H_{20}O$			45	76.4	121.3	192.0	5
5-Nonanol[e]	$C_9H_{20}O$	13	31	54	84.5	128.1	194.7	5
2-Nonanone[e]	$C_9H_{18}O$		8	35	71	121.0	194.0	5
5-Nonanone[e]	$C_9H_{18}O$			-1	39.1	94	188	5
1-Nonene	C_9H_{18}	-50.1	-29.4	-3.3	30.4	77.1	146.4	1,5
Nonylamine[e]	$C_9H_{21}N$		9	37	75	126.2	202.1	5
Nonylbenzene	$C_{15}H_{24}$	33.0	58.9	92.0	135.4	193.7	281.4	5
Nonylcyclohexane[e]	$C_{15}H_{30}$	35	60	92	134	193.4	280.9	5
Nonylcyclopentane[e]	$C_{14}H_{28}$	25	49	80	120	177.2	261.5	5
2,5-Norbornadiene[e]	C_7H_8				-15	27.4	91	5
Octacosane	$C_{28}H_{58}$	136.5	169.8	210.9	263.1	332.0	430.6	5
Octadecane[e]	$C_{18}H_{38}$	61.5	89.0	123.1	167.3	227.6	316	16
1-Octadecanol[e]	$C_{18}H_{38}O$	106	130	160	200.5	257.3	343.0	5
cis-9-Octadecenoic acid[e]	$C_{18}H_{34}O_2$	94	126	165.5	214.5	277.0	359.7	5
trans-9-Octadecenoic acid[e]	$C_{18}H_{34}O_2$		124	166	216	280	361	4
Octanal[e]	$C_8H_{16}O$			6	45.7	97.8	170.2	5
Octane	C_8H_{18}		-42.6	-17.9	14.4	58.9	125.3	16
Octanenitrile[e]	$C_8H_{15}N$	-15	8	37	75	127.7	204.4	5
1-Octanethiol[e]	$C_8H_{18}S$	-15	6	34	71	122.1	198.5	5
Octanoic acid[e]	$C_8H_{16}O_2$	37	58	85	120	165.5	238.4	1,5
1-Octanol[e]	$C_8H_{18}O$	12	30	53	84	128.2	194.8	1,39
2-Octanol[e]	$C_8H_{18}O$			40	69.9	112.5	179.4	1,39
3-Octanol[e]	$C_8H_{18}O$	12	24	40	64	102.8	174.1	1
4-Octanol[e]	$C_8H_{18}O$			40	66.9	107.3	176.0	1,39
2-Octanone[e]	$C_8H_{16}O$		-3	23	57	103.8	172.1	5
3-Octanone[e]	$C_8H_{16}O$			8	47.7	97	161	5
Octanoyl chloride[e]	$C_8H_{15}ClO$	1	22	46	74.7	109	150	5
1-Octene	C_8H_{16}	-65.7	-46.1	-21.4	10.5	54.9	120.9	1,5
cis-2-Octene[e]	C_8H_{16}	-59	-41	-17	15	59	125.2	5
trans-2-Octene[e]	C_8H_{16}	-59	-41	-17	14	59	124.5	5
cis-3-Octene[e]	C_8H_{16}	-65	-46	-22	10	55.1	122.4	5
trans-3-Octene[e]	C_8H_{16}	-61	-43	-19	13	57	122.8	5
cis-4-Octene[e]	C_8H_{16}	-63	-44	-20	11	56	122.1	5
trans-4-Octene[e]	C_8H_{16}	-65	-46	-22	10	54.6	121.8	5
Octyl acetate[e]	$C_{10}H_{20}O_2$	-26	-3	27	66.3	120.0	198.2	5
Octylbenzene	$C_{14}H_{22}$	20.1	46.2	79.1	121.9	178.1	263.8	5
Octylcyclohexane	$C_{14}H_{28}$	16.9	44.3	77.8	120.0	177.6	263.2	5
Octylcyclopentane[e]	$C_{13}H_{26}$	13	36	66	106	160.9	243.1	5
1-Octyne[e]	C_8H_{14}	-59	-40	-16	16	60.3	125.8	1
2-Octyne[e]	C_8H_{14}	-52	-33	-8	25	70.6	137.8	1

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
3-Octyne[e]	C_8H_{14}	-55	-35	-11	22	66.8	132.8	1
4-Octyne[e]	C_8H_{14}	-56	-36	-12	21	65.6	131.4	1
Osmium	Os	2887 s	3150	3478	3875	4365	4983	2
Osmium(V) fluoride[e]	F_5Os			74.1	113.2	162.3	226	26
Osmium(VI) fluoride	F_6Os	-89 s	-73 s	-54 s	-30.6 s	-1.7 s	47.4	26
2-Oxetanone[e]	$C_3H_4O_2$		-21	8	45.5	93.8	159.3	5
Oxirane[e]	C_2H_4O		-111	-93	-70	-37.0	10.2	1
Oxygen[a]	O_2				-211.9	-200.5	-183.1	1,28
Ozone[a]	O_3	-189	-182	-172	-158	-139.7	-111.5	5
Palladium	Pd	1448 s	1624	1844	2122	2480	2961	2
Paraldehyde[e]	$C_6H_{12}O_3$				17	62.2	124	5
Pentaborane(9)	B_5H_9				-34.8	3.8	57.6	4
Pentachloroethane[e]	C_2HCl_5		-23	3	37.4	86.0	159.4	1
Pentacosane	$C_{25}H_{52}$	119.7	152.7	193.2	244.4	305.0	401.1	5
1*H*-Pentadecafluoroheptane[e]	C_7HF_{15}				-7	35.9	96.0	5
Pentadecane	$C_{15}H_{32}$	30.5	56.1	88.1	129.6	186.3	270.1	16
1,2-Pentadiene[e]	C_5H_8	-109	-93	-73	-46.1	-9.7	44.5	5
cis-1,3-Pentadiene[e]	C_5H_8	-109	-93	-73	-47.0	-10.5	43.7	1,5
trans-1,3-Pentadiene[e]	C_5H_8			-75	-49.0	-13	42	1
1,4-Pentadiene[e]	C_5H_8	-120	-105	-86	-60.9	-26.2	25.6	5
2,3-Pentadiene[e]	C_5H_8	-106	-90	-70	-42.9	-6.3	47.9	5
Pentafluorobenzene[e]	C_6HF_5			-41	-13	27	85.3	5
Pentafluorophenol[e]	C_6HF_5O				39	82	145.2	5
1,1,1,2,2-Pentafluoropropane[e]	$C_3H_3F_5$					-60	-17.9	5
2,3,4,5,6-Pentafluorotoluene[e]	$C_7H_3F_5$			-20	11	53.6	117.0	5
2,2,3,3,4-Pentamethylpentane[e]	$C_{10}H_{22}$		-24	3	39	89.1	165.5	5
2,2,3,4,4-Pentamethylpentane[e]	$C_{10}H_{22}$		-29	-3	33	82.8	158.7	5
Pentanal[e]	$C_5H_{10}O$	-71	-53	-31	-1	40.8	102.6	5
Pentane[b]	C_5H_{12}	-115.5	-99.8	-80.0	-54.0	-18.1	35.7	16
Pentanedinitrile[e]	$C_5H_6N_2$	24.1	52	85	126	178	245	5
Pentanedioic acid[e]	$C_5H_8O_4$		121	153.2	191.9	240.3	302.5	5
1,5-Pentanediol[e]	$C_5H_{12}O_2$	25	52	85	125	175.1	238.9	5
2,4-Pentanedione[e]	$C_5H_8O_2$			-5	24.7	67.8	137.4	1
Pentanenitrile[e]	C_5H_9N	-54	-34	-8	26	72.2	140.9	1
1-Pentanethiol[e]	$C_5H_{12}S$	-60	-41	-17	15	60	126.2	1
2-Pentanethiol[e]	$C_5H_{12}S$	-70	-52	-28	3	46.6	111.9	5
3-Pentanethiol[e]	$C_5H_{12}S$	-70	-51	-28	4	47.7	113.4	5
Pentanoic acid	$C_5H_{10}O_2$	-7.4	15.3	42.7	76.3	122.1	185.7	5
1-Pentanol[e]	$C_5H_{12}O$	-27	-10	12	41	79.8	137.4	5
2-Pentanol[e]	$C_5H_{12}O$	-35	-19	1	28.0	64.9	118.7	1
3-Pentanol[e]	$C_5H_{12}O$	-41	-25	-4	24	61.1	114.9	5
2-Pentanone[e]	$C_5H_{10}O$				-1	40.3	101.9	1,5
3-Pentanone[e]	$C_5H_{10}O$			-31	-1	40	101.6	1
1-Pentene	C_5H_{10}	-118.9	-103.4	-84.0	-58.8	-23.3	29.6	1,5
cis-2-Pentene	C_5H_{10}	-113.8	-98.1	-78.4	-52.7	-16.8	36.6	1,5
trans-2-Pentene	C_5H_{10}	-114.5	-98.9	-79.1	-53.3	-17.5	36.0	1,5
4-Pentenoic acid[e]	$C_5H_8O_2$	0	19	44	77	122.0	187.5	5
Pentyl acetate[e]	$C_7H_{14}O_2$	-58	-39	-14	20	70.1	149	5
Pentylamine[e]	$C_5H_{13}N$		-52	-29	1	42.8	104.0	5
Pentylbenzene[e]	$C_{11}H_{16}$	-14	8	37	74	126.7	204.9	5
Pentylcyclohexane[e]	$C_{11}H_{22}$	-17	6	34	72	124.2	202.7	5
1-Pentylnaphthalene[e]	$C_{15}H_{18}$	34	62	96	141.3	202.2	289	5
1-Pentyne[e]	C_5H_8			-75	-49.1	-13.5	39.9	5
2-Pentyne[e]	C_5H_8	-100	-85	-65	-37.9	-0.5	55.7	5
Perfluoroacetone[e]	C_3F_6O			-113	-94	-67.8	-27.6	5
Perfluorobutane[e]	C_4F_{10}		-122	-105	-82	-49.8	-2.5	1,5
Perfluorocyclobutane	C_4F_8						-6.2	1
Perfluorocyclohexane	C_6F_{12}				-46.2 s	-7.6 s	48.9 s	5
Perfluorodecane[e]	$C_{10}F_{22}$					52	132.9	5
Perfluoro-2,3-dimethylbutane	C_6F_{14}					4.3	59.3	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Perfluoroheptane[e]	C_7F_{16}		-62	-41	-14	24.7	82.1	1
Perfluorohexane[e]	C_6F_{14}		-75	-57	-32	2.8	56.8	5
Perfluoromethylcyclohexane[e]	C_7F_{14}				-21	18	75.9	1
Perfluoro-2-methylpentane[e]	C_6F_{14}				-33	2.9	57.1	5
Perfluoro-3-methylpentane[e]	C_6F_{14}	-95	-80	-60	-34	2.8	57.9	5
Perfluoronaphthalene	$C_{10}F_8$	5.2 s	25.1 s	48.1 s				5
Perfluorononane[e]	C_9F_{20}					40	114.7	5
Perfluorooctane[e]	C_8F_{18}				5	45.0	105.6	5
Perfluoropentane	C_5F_{12}				-54.7	-20.9	28.6	5
Perfluoropropane[e]	C_3F_8		-139	-124	-105	-77.5	-37.0	1
Perfluoropropene[e]	C_3F_6	-150	-138	-122	-101	-72	-30.6	5
Peroxyacetic acid	$C_2H_4O_3$				14.4	55.3	109.7	5
β-Phellandrene[e]	$C_{10}H_{16}$			16	53.2	104	171.0	5
Phenanthrene	$C_{14}H_{10}$	53 s	83 s	120.8	170.4	238.4	337.7	5
Phenanthridine	$C_{13}H_9N$	79 s						5
Phenol	C_6H_6O	-9.7 s	9.6 s	34.1 s	68.9	113.7	181.4	1,5
2-Phenoxyethanol[e]	$C_8H_{10}O_2$	21	46	75.9	115.4	168.7	244.8	5
Phenyl acetate[e]	$C_8H_8O_2$		3	33.1	72.2	123.9	195.5	5
Phenyl benzoate	$C_{13}H_{10}O_2$			102.3	151.4	217.9	313.3	5
2-Phenylethyl acetate[e]	$C_{10}H_{12}O_2$	-4	22	54	96	152.3	232.0	5
Phenylhydrazine[e]	$C_6H_8N_2$		38	69	109	163.9	242.5	5
Phenyl isopropyl ether[e]	$C_9H_{12}O$	-20	-1	23	56	103.7	176.9	5
Phenyl isothiocyanate[e]	C_7H_5NS				79.4	105	117	5
1-Phenyl-2-propylamine, (±)-[e]	$C_9H_{13}N$			33	70.1	118	202.0	5
Phenyl propyl ether[e]	$C_9H_{12}O$		-10	21	61	113.9	189.3	5
Phenyl salicylate	$C_{13}H_{10}O_3$				166.0	224.8	312.4	5
Phosphine[a]	H_3P	-182 s	-173 s	-161 s	-145 s	-122.7	-88.0	5
Phosphorus (white)	P	6 s	34 s	69	115	180	276	3,9
Phosphorus (red)	P	182 s	216 s	256 s	303 s	362 s	431 s	2,3
Phosphorus(III) bromide[e]	Br_3P		-23	5	42.3	94.6	172.6	5
Phosphorus(V) bromide	Br_5P		-19 s	4 s	31 s	65.5 s	110.1	5
Phosphorus(III) chloride[e]	Cl_3P	-93	-77	-55	-26.0	14.5	75.7	5
Phosphorus(V) chloride	Cl_5P	-2 s	19 s	44 s	74 s	111.4 s	158.9 s	5
Phosphorus(III) chloride difluoride	ClF_2P				-119.5	-91.1	-47.6	5
Phosphorus(III) dichloride fluoride	Cl_2FP				-71.1	-37.4	13.5	5
Phosphorus(V) dichloride trifluoride[e]	Cl_2F_3P		-120	-101	-77.1	-44.3	3	7
Phosphorus(III) fluoride[a]	F_3P				-152	-132.6	-101.4	5
Phosphorus(V) fluoride	F_5P	-157 s	-148 s	-137 s	-124.5 s	-108.6 s	-84.8	5
Phosphorus(III) oxide	O_3P_2				47.3	100.3	172.8	4
Phosphorus(V) oxide	O_5P_2	285 s	328 s	377.5 s	434.4 s	500.5 s	591	4
Phosphoryl bromide[e]	Br_3OP				64	115.5	191.4	5
Phosphoryl chloride	Cl_3OP					39.9	105.0	5
Phosphoryl fluoride	F_3OP	-124 s	-113 s	-100 s	-83.7 s	-64.1 s	-39.7 s	5
Phthalic anhydride	$C_8H_4O_3$	48.2 s	72.4 s			192.7	284.2	5
α-Pinene[e]	$C_{10}H_{16}$	-48	-27	-1	33.6	82.2	155.1	21
β-Pinene[e]	$C_{10}H_{16}$	-43	-22	5.0	40.6	90.5	165.5	21
Piperidine[e]	$C_5H_{11}N$				2	43.3	105.8	5
Platinum[e]	Pt	2057	2277	2542	2870	3283	3821	2
Plutonium	Pu	1483	1680	1925	2238	2653	3226	2
Polonium[e]	Po				573	730.2	963.3	5
Polonium(IV) chloride	Cl_4Po					300.6	389.4	5
Potassium	K	200.2	256.5	328	424	559	756.2	13,30
Potassium bromide	BrK	597 s	674 s	773				25
Potassium chloride	ClK	625 s	704 s	804	945	1137	1411	12,23,25
Potassium fluoride	FK			869	1017	1216	1499	4
Potassium hydroxide[e]	HKO	520	601	704	842	1035	1325	4
Potassium iodide	IK			731	866	1052	1322	4
Praseodymium[d]	Pr	1497.7	1699.4	1954	2298	2781	3506	3
Propanal[e]	C_3H_6O			-69	-42	-6	47.7	1
Propane[a]	C_3H_8	-156.9	-145.6	-130.9	-111.4	-83.8	-42.3	1,41

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
1,2-Propanediamine, (±)-[e]	$C_3H_{10}N_2$		-35.4	-12.0	18.8	61	119	5
1,2-Propanediol[e]	$C_3H_8O_2$	-11	13	42	78	125.0	187.2	5
1,3-Propanediol[e]	$C_3H_8O_2$	4	30	62	101	149.9	214.0	5
1,3-Propanedithiol[e]	$C_3H_8S_2$	-53	-28	3	43	97	172.4	5
Propanenitrile	C_3H_5N	-69.4	-55.3	-36.0	-7.9	35.2	97.4	1,5
1-Propanethiol[e]	C_3H_8S	-94	-78	-57	-29.1	9.6	67.4	1,5
2-Propanethiol[e]	C_3H_8S	-102	-87	-67	-41	-3	52.2	1
Propanoic acid[e]	$C_3H_6O_2$			0	35.1	79.9	140.8	1,5
Propanoic anhydride[e]	$C_6H_{10}O_3$	-32	-15	6	36	77.6	142.9	5
1-Propanol[e]	C_3H_8O	-54	-38	-16	10	47	96.9	1,5
2-Propanol[e]	C_3H_8O	-65	-49	-28	-1.3	33.6	82.0	1,5
Propene[a]	C_3H_6	-160.6	-149.0	-134.3	-114.9	-88.2	-47.9	1,5
cis-1-Propenylbenzene[e]	C_9H_{10}	-38	-15.4	13.3	51.4	103.7	178.4	5
trans-1-Propenylbenzene[e]	C_9H_{10}		-16	13.3	51.6	103.7	178.4	5
2-Propoxyethanol[e]	$C_5H_{12}O_2$				40	85.6	149.3	5
Propyl acetate[e]	$C_5H_{10}O_2$	-69	-51	-29	0	40.9	101.2	1
Propylamine[e]	C_3H_9N		-81	-63	-38.3	-4.1	46.9	1,5
Propylbenzene[e]	C_9H_{12}	-43	-23	4	38	86.7	158.8	1
Propyl benzoate[e]	$C_{10}H_{12}O_2$	-8	18	50.2	92.3	149.2	230.5	5
Propyl butanoate[e]	$C_7H_{14}O_2$	-35	-19	3	32.0	74.9	142.8	5
Propylcyclohexane[e]	C_9H_{18}	-46	-26	0	35.1	83.6	156.2	5
Propylcyclopentane[e]	C_8H_{16}	-60	-41	-16	16.5	62.1	130.5	5
1-Propylcyclopentanol[e]	$C_8H_{16}O$	9	24	43	69.0	108.4	173.5	5
Propylene carbonate[e]	$C_4H_6O_3$	-40	-5	43	112	220	410	5
Propyl formate[e]	$C_4H_8O_2$	-78	-62	-42	-15.1	23.0	80.4	1,5
Propyl hexanoate[e]	$C_9H_{18}O_2$	-26	-2	28	65.1	113.4	178	5
Propyl isobutanoate[e]	$C_7H_{14}O_2$		-28	-5.7	24.5	67.5	133.3	5
Propyl methacrylate[e]	$C_7H_{12}O_2$				26	73.8	139.7	5
Propyl 3-methylbutanoate	$C_8H_{16}O_2$			1.8	38.9	87.9	155.6	5
Propyl nitrate[e]	$C_3H_7NO_3$			-23.9	6.1	48.1	111	5
Propyl octanoate[e]	$C_{11}H_{22}O_2$	-2	23	55	94.0	145.2	215	5
Propyl propanoate[e]	$C_6H_{12}O_2$	-62	-42	-18	14	58.3	122.0	5
Propyne[e]	C_3H_4				-94	-65.3	-23.2	1
Pulegone[e]	$C_{10}H_{16}O$	37	49.1	66.4	92.2	135.1	220.2	5
Pyridine[e]	C_5H_5N			-23	8	51.0	114.9	1
Pyrrole[e]	C_4H_5N			-8	24	66.7	129.4	1
Pyrrolidine[e]	C_4H_9N		-59	-38	-10	28.5	86.2	1
Quinoline	C_9H_7N	-1.3	23.7	55.4	96.8	153.4	236.5	1,5
Radium	Ra	546 s	633 s	764	936	1173	1526	2
Radon[a]	Rn	-163 s	-152 s	-139 s	-121.4 s	-97.6 s	-62.3	5
Rhenium	Re	3030 s	3341	3736	4227	4854	5681	2
Rhenium(VI) dioxydifluoride[e]	F_2O_2Re				89.2	131.9	185	26
Rhenium(V) fluoride[e]	F_5Re			58.8	99.5	152	221	26
Rhenium(VI) fluoride	F_6Re	-97 s	-82 s	-63 s	-40.2 s	-11.9 s	33.4	26
Rhenium(VII) oxide	O_7Re_2	147 s	176 s	208 s	244 s	284 s	362	4
Rhenium(VII) oxypentafluoride	F_5ORe	-103 s	-84 s	-59 s	-28 s	13.7 s	72.8	26
Rhenium(VI) oxytetrafluoride	F_4ORe	5 s	26 s	50.7 s	80.1 s	117.1	171.2	26
Rhodium	Rh	2015	2223	2476	2790	3132	3724	2
Rubidium	Rb	160.4	212.5	278.9	368	496.1	685.3	13,30
Rubidium bromide	BrRb			766	903	1087	1350	4
Rubidium chloride	ClRb			777	916	1105	1379	4
Rubidium fluoride	FRb			910	1001	1145	1409	4,12
Rubidium iodide	IRb			733	866	1045	1302	4
Ruthenium	Ru	2315 s	2538	2814	3151	3572	4115	2
Salicylaldehyde[e]	$C_7H_6O_2$		-1	29	68	120.7	196.2	5
Samarium[d]	Sm	728 s	833 s	967 s	1148	1402	1788	3
Scandium[d]	Sc	1372 s	1531 s	1733	1993	2340	2828	3
Selenium	Se	227	279	344	431	540	685	3
Selenium dioxide	O_2Se	124.5 s	153.9 s	188 s	228 s	275 s	315 s	38
Selenium hexafluoride	F_6Se	-143 s	-132 s	-118 s	-100.7 s	-77.8 s	-46.5 s	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Selenium tetrachloride	Cl_4Se	23 s	45 s	71 s	102 s	141.4 s	191.1 s	5
Selenium tetrafluoride	F_4Se				13.6	51.6	104.7	5
Silane[a]	H_4Si			-181	-165.4	-143.7	-111.8	4
Silicon	Si	1635	1829	2066	2363	2748	3264	2
Silicon dioxide (α-quartz)	O_2Si	1966	2149	2368				8
Silver	Ag	1010	1140	1302	1509	1782	2160	2
Silver(I) bromide[d]	AgBr	569	656	765	905	1093	1359	9
Silver(I) chloride	AgCl	670	769	873	1052	1264	1561	4
Silver(I) iodide	AgI	594	686	803	959	1177	1503	4
Sodium	Na	280.6	344.2	424.3	529	673	880.2	13,30
Sodium bromide	BrNa			791	931	1120	1389	4
Sodium chloride	ClNa	653 s	733 s	835	987	1182	1461	12,23,25
Sodium cyanide[e]	CNNa		672	798	961	1182	1497	4
Sodium fluoride	FNa		920 s	1058	1218	1426	1702	4,12,24
Sodium hydroxide	HNaO	513	605	722	874	1080	1377	4
Sodium iodide	INa			753	883	1058	1301	4
Spiro[2.2]pentane[e]	C_5H_8	-110	-95	-76	-51	-15	38.6	5
Stearaldehyde[e]	$C_{18}H_{36}O$			142	186	246.9	336.7	5
Octadecanoic acid[e]	$C_{18}H_{36}O_2$		153	183	223	281.6	374.5	5
cis-Stilbene[e]	$C_{14}H_{12}$	26	54	88	130.4	183	253	5
trans-Stilbene	$C_{14}H_{12}$				155.6	218.1	305.8	5
Strontium	Sr	523 s	609 s	717 s	866	1072	1373	2
Strontium oxide	OSr	1789 s	1903 s	2047 s	2235 s	2488 s		4
Styrene[e]	C_8H_8		-31	-5	28.6	75.4	144.7	1
Succinic anhydride[e]	$C_4H_4O_3$				121	180.8	260.8	5
Succinonitrile	$C_4H_4N_2$	24.8 s					266.0	5
Sulfolane[e]	$C_4H_8O_2S$		49	87	135	198.0	283.5	5
Sulfur (rhombic)	S	102 s	135	176	235	318	444	3
Sulfur bromide [$SSBr_2$][e]	Br_2S_2	-7	15	42	78.4	128.1	200.9	5
Sulfur chloride [$SSCl_2$][e]	Cl_2S_2	-55	-36	-12	21.0	67.2	137.1	5
Sulfur decafluoride	$F_{10}S_2$					-22.0	28.5	5
Sulfur dichloride[e]	Cl_2S	-76	-61	-41	-16.7	15.3	58.7	5
Sulfur dioxide[a]	O_2S			-98 s	-80 s	-52.2	-10.3	1,5
Sulfur hexafluoride[a]	F_6S	-158 s	-147 s	-133.6 s	-116.6 s	-94.4 s	-64.1 s	5
Sulfuric acid	H_2O_4S	72	103	140	187	248	330	4
Sulfur tetrafluoride	F_4S				-110.0	-82.1	-40.3	5
Sulfur trioxide (α-form)	O_3S				-20 s	6.6 s	44.5	5
Sulfuryl chloride[e]	Cl_2O_2S				-27	11.8	69.0	5
Tantalum	Ta	3024	3324	3684	4122	4666	5361	2
Tantalum(V) fluoride	F_5Ta					119	229	4
Technetium[e]	Tc	2454	2725	3051	3453	3961	4621	2
Tellurium[e]	Te			502	615	768.8	992.4	5
Tellurium hexafluoride	F_6Te	-142 s	-130 s	-115 s	-96 s	-71.8 s	-39.1 s	5
Tellurium tetrachloride[e]	Cl_4Te				237	299.4	387.8	5
Terbium[d]	Tb	1516.1	1706.1	1928	2232	2640	3218	3
o-Terphenyl[e]	$C_{18}H_{14}$	66	94	129	176	241.3	336.3	5
m-Terphenyl[e]	$C_{18}H_{14}$	87	118	156	206.6	275.3	374.6	5
p-Terphenyl	$C_{18}H_{14}$	127.1 s	154.7 s		217.2	284.0	383.0	5
α-Terpineol	$C_{10}H_{18}O$			48	89	142	217	4
Terpinolene	$C_{10}H_{16}$			26.5	64.9	115.4	184.6	5
1,1,2,2-Tetrabromoethane[e]	$C_2H_2Br_4$	14	38	69	109	163.7	242.9	5
Tetrabromoethene	C_2Br_4		-54.5 s	-31.7 s	-3.5 s	32.2 s	226.0	5
Tetrabromomethane	CBr_4			25.6 s	65.8 s	111.6	188.9	5
1,1,1,2-Tetrachloro-2,2-difluoroethane[e]	$C_2Cl_4F_2$				-7	31.0	91.1	5
1,1,2,2-Tetrachloro-1,2-difluoroethane	$C_2Cl_4F_2$					32.3	92.5	1
1,1,1,2-Tetrachloroethane[e]	$C_2H_2Cl_4$	-58	-40	-15	17	62.2	129.7	1
1,1,2,2-Tetrachloroethane[e]	$C_2H_2Cl_4$		-22	1	32.4	76.9	144.7	1
Tetrachloroethene[e]	C_2Cl_4			-22	10	54.4	120.7	1
Tetrachloromethane[a]	CCl_4	-79.4 s	-70.8 s	-53.5 s	-24.4 s	15.8	76.2	1,5
1,1,1,2-Tetrachloropropane[e]	$C_3H_4Cl_4$	-48	-28	-2	32	79.1	149.5	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Tetrachlorosilane[a]	Cl_4Si				-39	0	57.3	1
Tetracosane	$C_{24}H_{50}$	115.0	148.1	188.5	239.1	295.4	390.6	5
Tetradecamethylhexasiloxane[e]	$C_{14}H_{42}O_5Si_6$	6	36	72	117	176.0	259.1	5
Tetradecane	$C_{14}H_{30}$	19.1	44.1	75.3	115.7	171.1	253.0	16
Tetradecanenitrile[e]	$C_{14}H_{27}N$	52	79	114.0	159.0	219.7	306.3	5
Tetradecanoic acid[e]	$C_{14}H_{28}O_2$	96	118	147	186	241.3	325.6	5
1-Tetradecanol[e]	$C_{14}H_{30}O$	80.0	110.5	149.6	152	205.3	286.7	5
1-Tetradecene	$C_{14}H_{28}$	16.1	41.3	72.7	113.2	168.7	250.6	5
Tetradecylamine[e]	$C_{14}H_{31}N$			104	147	206.1	290.9	5
Tetraethylene glycol[e]	$C_8H_{18}O_5$	89	117	151.1	192.2	242.9	307.3	5
Tetraethylene glycol dimethyl ether[e]	$C_{10}H_{22}O_5$				138	200.9	275.3	5
Tetraethylsilane	$C_8H_{20}Si$			-6.5	30.5	80.6	152.6	5
1,2,3,4-Tetrafluorobenzene[e]	$C_6H_2F_4$			-36	-7	33.8	94.0	1
1,2,3,5-Tetrafluorobenzene[e]	$C_6H_2F_4$			-43	-14	25.5	84.1	1
1,2,4,5-Tetrafluorobenzene	$C_6H_2F_4$					30.7	89.9	1
Tetrafluorodiborane	B_2F_4						-34	1
1,1,2,2-Tetrafluoro-1,2-dinitroethane[e]	$C_2F_4N_2O_4$				-30	6.4	59.5	5
1,1,1,2-Tetrafluoroethane	$C_2H_2F_4$				-94.3	-66.8	-26.4	17
1,1,2,2-Tetrafluoroethane	$C_2H_2F_4$				-96.0	-66.9	-23.3	5
Tetrafluoroethene	C_2F_4				-132.3	-109.7	-75.8	1
Tetrafluoromethane[a]	CF_4	-199.9 s	-193 s	-183.9 s	-171.6	-153.9	-128.3	1,5
2,2,3,3-Tetrafluoro-1-propanol[e]	$C_3H_4F_4O$			-10	17	53.9	107.2	5
Tetrafluorosilane[a]	F_4Si	-166 s	-157 s	-145.6 s	-132.3 s	-115.7 s	-94.9 s	4,7
cis-Tetrahydro-2,5-dimethylthiophene[e]	$C_6H_{12}S$	-53	-34	-8	25	72.0	142.1	5
Tetrahydrofuran[e]	C_4H_8O	-94	-78	-57.3	-29.8	9	65.6	1
Tetrahydrofurfuryl alcohol[e]	$C_5H_{10}O_2$	-40	-16	15	55	106	176.8	5
1,2,3,4-Tetrahydro-5-methylnaphthalene[e]	$C_{11}H_{14}$	9	31	60	99	153.1	233.8	5
1,2,3,4-Tetrahydro-6-methylnaphthalene[e]	$C_{11}H_{14}$	17	36	62	97	147.8	228.5	5
Tetrahydro-3-methyl-2*H*-thiopyran[e]	$C_6H_{12}S$	-48	-27	0	35	84.1	157.5	5
1,2,3,4-Tetrahydronaphthalene[e]	$C_{10}H_{12}$	-21	3	33.2	74.1	127.4	207.8	5
Tetrahydropyran[e]	$C_5H_{10}O$				-15	26.0	88	5
Tetrahydro-2*H*-pyran-2-one[e]	$C_5H_8O_2$		5	35.1	74.4	128.3	207.0	5
Tetrahydrothiophene[e]	C_4H_8S	-66	-47	-23	9.4	54.1	120.5	1
1,2,3,4-Tetramethylbenzene[e]	$C_{10}H_{14}$		7	36	74	126.6	204.5	5
1,2,3,5-Tetramethylbenzene[e]	$C_{10}H_{14}$	-19	3	32	69	120.9	197.5	5
1,2,4,5-Tetramethylbenzene	$C_{10}H_{14}$					119.9	196.3	5
2,2,3,3-Tetramethylbutane	C_8H_{18}	-62.5 s	-44 s	-20.9 s	8.9 s	48.8 s	105.8	5
1,1,3,3-Tetramethylcyclopentane[e]	C_9H_{18}	-72	-54	-30	2	47	117.4	5
2,2,3,3-Tetramethylhexane[e]	$C_{10}H_{22}$	-46	-25	1	36	85.6	159.8	5
2,2,5,5-Tetramethylhexane[e]	$C_{10}H_{22}$			-10	22	68.3	137.0	5
2,2,3,3-Tetramethylpentane[e]	C_9H_{20}				21	68.5	139.8	1
2,2,3,4-Tetramethylpentane[e]	C_9H_{20}	-61	-42	-17	16	62.5	132.6	1
2,2,4,4-Tetramethylpentane[e]	C_9H_{20}		-49	-25	8	53.2	121.8	1
2,3,3,4-Tetramethylpentane[e]	C_9H_{20}	-57	-37	-12	22	69.7	141.1	1
2,2,4,4-Tetramethyl-3-pentanol	$C_9H_{20}O$				58	100	167	5
Tetramethylsilane[e]	$C_4H_{12}Si$			-83	-59	-25	26.7	5
Tetramethylstannane	$C_4H_{12}Sn$			-55.0	-25.6	16.6	77.7	5
Tetramethylurea	$C_5H_{12}N_2O$			20.7	58.0	106.7	179.5	5
Tetranitromethane[e]	CN_4O_8				18.0	61.8	124	5
Thallium	Tl	609	704	824	979	1188	1485	2
Thallium(I) bromide	BrTl				509	635	817	4
Thallium(I) chloride	ClTl				504	626	806	4
Thallium(I) iodide	ITl				520	644	821	4
Thiacyclohexane[e]	$C_5H_{10}S$				24	71.1	141.2	5
Thiazole	C_3H_3NS					54.4	117.8	5
Thietane[e]	C_3H_6S		-62	-40	-9	32.5	94.5	5
Thionyl bromide[e]	Br_2OS	-49	-29	-5	27.8	72.9	139.6	5
Thionyl chloride[e]	Cl_2OS	-99	-81	-58	-27.1	14.6	75.2	5
Thionyl fluoride[e]	F_2OS			-124	-106.5	-81.5	-44.1	5
Thiophene[e]	C_4H_4S				-17	23.7	83.7	5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
Thorium	Th	2360	2634	2975	3410	3986	4782	2
Thulium[d]	Tm	844 s	962 s	1108 s	1297 s	1548	1944	3
Thymol	$C_{10}H_{14}O$	18.9 s	37.9 s	59.5	101.2	155.0	230.4	5
Tin	Sn	1224	1384	1582	1834	2165	2620	2
Tin(IV) bromide	Br_4Sn				67	122	204	4
Tin(II) chloride	Cl_2Sn		253	308	381	479	622	4
Tin(IV) iodide	I_4Sn				167.1	242.7	347.7	4
Titanium[e]	Ti	1709	1898	2130	2419	2791	3285	2
Toluene	C_7H_8	-78.1	-57.1	-31.3	1.5	45.2	110.1	5
Toluene-2,4-diisocyanate[e]	$C_9H_6N_2O_2$		39	72	113.9	169.7	247	5
Tribromoacetaldehyde	C_2HBr_3O			15.0	52.7	103.0	173.5	5
1,2,3-Tribromobutane[e]	$C_4H_7Br_3$	0	23	53	91	143.7	219.5	5
1,2,4-Tribromobutane[e]	$C_4H_7Br_3$	-3	20	49	87	139.4	214.5	5
1,1,2-Tribromoethane[e]	$C_2H_3Br_3$	-18	4	32	68	117.1	188.4	5
Tribromomethane	$CHBr_3$				30.5	78.3	148.8	1
Tributylamine[e]	$C_{12}H_{27}N$	-26	1	35	77.7	134.5	213.4	5
Tributyl phosphate[e]	$C_{12}H_{27}O_4P$					205	288.3	5
Trichloroacetaldehyde	C_2HCl_3O			-41.6	-9.8	33.8	97.4	5
Trichloroacetic acid	$C_2HCl_3O_2$				83.8	130.0	197.2	1,5
Trichloroacetonitrile[e]	C_2Cl_3N				-16	25.3	85.1	1
Trichloroacetyl chloride[e]	C_2Cl_4O			-25	7	51.7	117.8	1,5
1,1,1-Trichloroethane	$C_2H_3Cl_3$				-25.3	14.2	73.7	5
1,1,2-Trichloroethane[e]	$C_2H_3Cl_3$			-23	7	49.9	113.4	1
Trichloroethene[e]	C_2HCl_3	-74	-59	-39	-12	26.7	86.8	1
Trichloroethoxysilane[e]	$C_2H_5Cl_3OSi$	-78	-60	-36.0	-4.6	38.7	102.0	5
Trichloroethylsilane[e]	$C_2H_5Cl_3Si$	-79	-61	-38	-8	34.9	98.7	5
Trichlorofluoromethane[a]	CCl_3F		-107	-89	-63	-28.5	23.3	1,5
Trichloromethane[a]	$CHCl_3$			-61	-34	4.3	60.8	1
(Trichloromethyl)benzene[e]	$C_7H_5Cl_3$		9	40.6	81.5	136.2	213.0	5
Trichloromethylsilane[e]	CH_3Cl_3Si		-83	-61	-33	7	65.7	1
Trichloronitromethane[e]	CCl_3NO_2		-59	-30	4.4	47.8	112.0	5
2,4,6-Trichlorophenol	$C_6H_3Cl_3O$			71.8	114.0	169.5	245.7	5
Trichlorophenylsilane[e]	$C_6H_5Cl_3Si$			33	70.2	122.6	201	5
1,1,3-Trichloropropane[e]	$C_3H_5Cl_3$	-51	-31	-5	28	75.3	145.1	5
1,2,3-Trichloropropane[e]	$C_3H_5Cl_3$			2	37	84.9	156.3	5
Trichlorosilane[e]	Cl_3HSi			-81	-56	-21	31.6	7
1,3,5-Trichloro-2,4,6-trifluorobenzene[e]	$C_6Cl_3F_3$	-19	4	32	70	121.7	197.9	1
1,1,1-Trichloro-2,2,2-trifluoroethane	$C_2Cl_3F_3$						45.6	1,5
1,1,2-Trichloro-1,2,2-trifluoroethane	$C_2Cl_3F_3$					-8.2	47.3	1,5
Tricosane[e]	$C_{23}H_{48}$	102.9	135.1	174.8	221	285.3	379.5	5
Tri-*o*-cresyl phosphate[e]	$C_{21}H_{21}O_4P$	119.0	156.1	201.0	256.3	326.3	418	5
Tri-*m*-cresyl phosphate[e]	$C_{21}H_{21}O_4P$	147.8	177.3	211.4	251.3	298	355	5
Tri-*p*-cresyl phosphate[e]	$C_{21}H_{21}O_4P$	140.6	174	214	262	320	392	5
Tridecane	$C_{13}H_{28}$	7.2	31.5	61.8	101.1	155.1	234.9	16
Tridecanoic acid[e]	$C_{13}H_{26}O_2$	87	109	138	176	230.3	311.5	5
1-Tridecanol[e]	$C_{13}H_{28}O$	71.6	101.0	103	140	192.3	273.1	5
1-Tridecene	$C_{13}H_{26}$	4.1	28.5	59.0	98.3	152.5	232.3	5
Triethanolamine[e]	$C_6H_{15}NO_3$	75	108	148	196	256.7	334	5
Triethylamine[e]	$C_6H_{15}N$	-58	-45	-29	-5	29.9	88.5	1
Triethylene glycol[e]	$C_6H_{14}O_4$	44	74	109.0	152.6	207.2	277.9	5
Triethyl phosphate	$C_6H_{15}O_4P$			34	76	132	211	4
Trifluoroacetic acid	$C_2HF_3O_2$					16.8	71.4	1,5
Trifluoroacetic acid anhydride[e]	$C_4F_6O_3$			-63	-39	-7.1	38.8	5
Trifluoroacetonitrile	C_2F_3N				-126.1	-102.5	-67.8	1
1,3,5-Trifluorobenzene	$C_6H_3F_3$					18.2	75.0	5
1,1,1-Trifluoroethane[e]	$C_2H_3F_3$				-113	-86.6	-47.8	1
2,2,2-Trifluoroethanol[e]	$C_2H_3F_3O$			-33	-8	26.0	74	5
Trifluoromethane[a]	CHF_3			-152	-136	-114.4	-82.3	1
(Trifluoromethyl)benzene[e]	$C_7H_5F_3$				-3	39	101.6	5
Trifluoromethyl difluoromethyl ether[e]	C_2HF_5O	-147	-136	-121	-102	-75.0	-35.4	20

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Triiodomethane[e]	CHI_3	51.1 s	82.7 s	121			218.0	5
Triisobutylamine[e]	$C_{12}H_{27}N$		1	28.9	64.9	112.5	178.5	5
Triisopropyl borate	$C_9H_{21}BO_3$					73.1	139.0	5
Trimethylamine[e]	C_3H_9N		-114	-97	-75.0	-43.8	2.6	1,5
2,4,6-Trimethylaniline[e]	$C_9H_{13}N$	12	36	66	104.1	154.9	226	5
Trimethylarsine[e]	C_3H_9As			-74	-45	-5.4	52.0	5
1,2,3-Trimethylbenzene[e]	C_9H_{12}		-12	15	52	101.5	175.6	1
1,2,4-Trimethylbenzene[e]	C_9H_{12}	-37	-16	11	47	95.9	168.9	1
1,3,5-Trimethylbenzene[e]	C_9H_{12}	-39	-18	9	43.7	92.4	164.3	1
Trimethyl borate[e]	$C_3H_9BO_3$				-14	15.6	67.9	5
2,2,3-Trimethylbutane	C_7H_{16}				-23.2	18.1	80.4	5
2,3,3-Trimethyl-1-butene[e]	C_7H_{14}	-91	-75	-53	-24.2	16.3	77.5	5
Trimethylchlorosilane	C_3H_9ClSi				-37.8	0.4	57.3	5
1,1,2-Trimethylcyclohexane[e]	C_9H_{18}			-12	23	71.5	145.5	5
1,1,3-Trimethylcyclohexane[e]	C_9H_{18}	-60	-41	-16	18	65.2	136.1	5
1α,2β,4β-1,2,4-Trimethylcyclohexane[e]	C_9H_{18}	-71	-50	-22	15	65.7	140.7	5
1α,3α,5β-1,3,5-Trimethylcyclohexane[e]	C_9H_{18}	-72	-50	-22	14	65.1	140.0	5
1,1,2-Trimethylcyclopentane[e]	C_8H_{16}				2	46.2	113.2	5
1,1,3-Trimethylcyclopentane[e]	C_8H_{16}	-77	-59	-36	-5	38.7	104.4	5
1α,2α,4β-1,2,4-Trimethylcyclopentane[e]	C_8H_{16}	-70	-52	-28	4	48.9	116.2	5
1α,2β,4α-1,2,4-Trimethylcyclopentane[e]	C_8H_{16}	-74	-56	-33	-1	42.8	108.8	5
1,1,2-Trimethylcyclopropane[e]	C_6H_{12}	-109	-94	-73	-46	-7	52.0	5
2,2,6-Trimethylheptane[e]	$C_{10}H_{22}$	-46	-27	-2	32	78.5	148.4	5
3,3,5-Trimethylheptane[e]	$C_{10}H_{22}$			0	35	82.7	155.2	5
2,2,4-Trimethylhexane	C_9H_{20}	-66.1	-46.4	-21.3	11.8	57.7	126.0	5
2,2,5-Trimethylhexane	C_9H_{20}	-65.1	-45.8	-21.2	11.2	56.2	123.7	1,5
2,3,3-Trimethylhexane[e]	C_9H_{20}	-58	-38	-13	20	66.7	137.2	5
2,3,5-Trimethylhexane[e]	C_9H_{20}	-60	-41	-16	17	62.3	130.9	5
2,4,4-Trimethylhexane[e]	C_9H_{20}	-62	-43	-18	15	61.0	130.2	5
3,3,4-Trimethylhexane[e]	C_9H_{20}	-53	-33	-7	28	76.3	148.9	5
2,4,7-Trimethyloctane[e]	$C_{11}H_{24}$				43	94	170.4	5
Trimethylolpropane[e]	$C_6H_{14}O_3$	73	98	128	167.8	220.5	295	5
2,2,3-Trimethylpentane[e]	C_8H_{18}	-74	-56	-32	-0.8	43.1	109.4	5
2,2,4-Trimethylpentane	C_8H_{18}	-81.9	-63.4	-39.8	-8.9	34.0	98.8	5
2,3,3-Trimethylpentane[e]	C_8H_{18}	-72	-54	-30	2.1	46.9	114.3	5
2,3,4-Trimethylpentane[e]	C_8H_{18}	-74	-54.5	-30.0	2.2	46.7	113.1	1,5
2,4,4-Trimethyl-2-pentanol[e]	$C_8H_{18}O$		-7	13	40	79.8	146.1	5
2,2,4-Trimethyl-3-pentanol[e]	$C_8H_{18}O$	-2	9	24	47	82.6	150.4	5
2,2,4-Trimethyl-3-pentanone	$C_8H_{16}O$			11.3	42.1	81.7	134.6	5
2,3,3-Trimethyl-1-pentene[e]	C_8H_{16}		-53	-30	1	43.8	107.9	5
2,4,4-Trimethyl-1-pentene[e]	C_8H_{16}	-79	-61	-38	-7	36.2	101.0	5
2,3,4-Trimethyl-2-pentene[e]	C_8H_{16}	-68	-49	-26	6	50.0	115.8	5
2,4,4-Trimethyl-2-pentene[e]	C_8H_{16}	-73	-56	-33	-2	40.4	104.5	5
Trimethyl phosphate[e]	$C_3H_9O_4P$	-31	-7	23.6	62.8	116.0	192.0	5
Trimethylphosphine[e]	C_3H_9P			-81	-53	-15.0	37.1	5
Trimethylstibine[e]	C_3H_9Sb			-56	-23.8	19	80	5
Trinitroglycerol[e]	$C_3H_5N_3O_9$	48.6	75.7	118	191	353	1007	5
1,3,5-Trioxane[e]	$C_3H_6O_3$					53	113.7	1
Triphenylmethane[e]	$C_{19}H_{16}$	81 s		112	175	254.6	360.0	5
Tripropylamine[e]	$C_9H_{21}N$	-39	-18	8	42	88.2	156.0	5
Tris(perfluorobutyl)amine[e]	$C_{12}F_{27}N$		3	29.0	63.3	109.9	176.8	5
Tungsten	W	3204 s	3500	3864	4306	4854	5550	2
Tungsten(VI) fluoride	F_6W	-107 s	-92 s	-74 s	-52.1 s	-24.8 s	16.9	26
Tungsten(VI) oxytetrafluoride	F_4OW	2 s	25 s	52.1 s	84.3 s	126.7	185.4	26
Undecane	$C_{11}H_{24}$	-18.4	4.3	32.6	69.5	120.2	195.4	16
Undecanenitrile	$C_{11}H_{21}N$			78.6	120.3	177.3	259.9	5
1-Undecanethiol	$C_{11}H_{24}S$	23	47	77	118	173.6	256.8	5
Undecanoic acid[e]	$C_{11}H_{22}O_2$	68	90	118	156	207.2	283.6	5
1-Undecanol[e]	$C_{11}H_{24}O$	52.2	80.0	82	118	167.6	244.1	5
2-Undecanone[e]	$C_{11}H_{22}O$	17	37	64.3	103.0	153.6	232.6	1,5

Name	Mol. form.	*t*/°C for 1 Pa	*t*/°C for 10 Pa	*t*/°C for 100 Pa	*t*/°C for 1 kPa	*t*/°C for 10 kPa	*t*/°C for 100 kPa	Ref.
6-Undecanone[e]	$C_{11}H_{22}O$		28	57	95	148.4	226.9	1
1-Undecene	$C_{11}H_{22}$	-21.6	1.2	29.7	66.4	117.1	192.2	5
cis-2-Undecene[e]	$C_{11}H_{22}$	-14	7	34	70.2	120.6	196	5
trans-2-Undecene[e]	$C_{11}H_{22}$	-14	7	33	69.3	119.6	195	5
cis-4-Undecene[e]	$C_{11}H_{22}$	-19	3	30	66.6	117.1	192	5
trans-4-Undecene[e]	$C_{11}H_{22}$	-17	4	31	67.1	117.4	193	5
cis-5-Undecene[e]	$C_{11}H_{22}$	-19	2	30	66.2	116.7	191	5
trans-5-Undecene[e]	$C_{11}H_{22}$	-18	3	31	67.0	117.4	192	5
10-Undecenoic acid[e]	$C_{11}H_{20}O_2$	35	67	105	150.0	205.4	274.5	5
1-Undecyne[e]	$C_{11}H_{20}$	-22	0	29	67	118.5	194.5	5
2-Undecyne[e]	$C_{11}H_{20}$	-17	6	35	74	127.4	205.4	5
Uranium	U	2052	2291	2586	2961	3454	4129	2
Vanadium	V	1828 s	2016	2250	2541	2914	3406	2
Vinyl acetate[e]	$C_4H_6O_2$	-88	-71	-50	-22	16.2	72.2	1
Vinyl butanoate[e]	$C_6H_{10}O_2$					53	114.5	5
4-Vinylcyclohexene[e]	C_8H_{12}	-62	-43	-19	14.1	59.9	129	5
Vinyl formate[e]	$C_3H_4O_2$			-58	-34	-1.6	46.2	1
Vinyl propanoate[e]	$C_5H_8O_2$					31.2	94	5
Water[b, c]	H_2O	-60.7 s	-42.2 s	-20.3 s	7.0	45.8	99.6	36,37
Xenon[a]	Xe	-190 s	-181 s	-170 s	-155.8 s	-136.6 s	-108.4	5,32
Xenon difluoride	F_2Xe			2.9 s	31.8 s	67.9 s	114 s	1,5
o-Xylene[e]	C_8H_{10}			-7	27	74.2	143.9	1
m-Xylene[e]	C_8H_{10}		-35	-10	23.4	69.8	138.7	1
p-Xylene	C_8H_{10}				22.4	68.9	137.9	1
2,3-Xylenol	$C_8H_{10}O$	14.3 s	34.3 s	57.2 s	91.4	141.7	216.4	1,5
2,4-Xylenol	$C_8H_{10}O$			50.2	85.5	137.2	210.5	1,5
2,5-Xylenol	$C_8H_{10}O$	13.4 s	33.2 s	55.9 s	87.4	137.0	210.6	5
2,6-Xylenol	$C_8H_{10}O$	-3.1 s	16.7 s	39.6 s	75.3	125.9	200.6	1,5
3,4-Xylenol	$C_8H_{10}O$	19.7 s	40.2 s	63.7 s	102.1	152.3	226.4	1,5
3,5-Xylenol	$C_8H_{10}O$	16.5 s	37.2 s	61.1 s	98.0	147.9	221.3	1,5
Ytterbium[d]	Yb	463 s	540 s	637 s	774 s	993	1192	3
Yttrium[d]	Y	1610.1	1802.3	2047	2354	2763	3334	3
Zinc[e]	Zn	337 s	397 s	477	579	717	912	2
Zinc chloride[d]	Cl_2Zn	305	356	419	497	596	726	4,9,12
Zinc fluoride[d]	F_2Zn	731 s	813 s	911	1048	1237	1503	9
Zinc iodide[d]	I_2Zn	301 s	351 s	409 s	488	598	750	9
Zirconium	Zr	2366	2618	2924	3302	3780	4405	2
Zirconium(IV) bromide	Br_4Zr	136 s	167 s	203 s	245 s	295 s	356 s	4
Zirconium(IV) chloride	Cl_4Zr	117 s	146 s	181 s	222 s	272 s	336 s	9
Zirconium(IV) iodide	I_4Zr	187 s	220 s	259 s	305 s	361 s	430 s	4

[a] More detailed data on this compound can be found in "Vapor Pressure of Fluids at Temperatures below 300 K" in Sec. 6.
[b] See also "Recommended Data for Vapor-Pressure Calibration" in Sec. 6.
[c] See also "Vapor Pressure of Ice" and "Vapor Pressure and Other Saturation Properties of Water" in Sec. 6.
[d] Values at higher temperatures were calculated from ideal gas thermodynamic functions.
[e] Some values for this compound have been extrapolated beyond the region where experimental values exist.