Table 2.1. Critical data for pure components [54]

	T_c [K]	P_c [MPa]		T_c [K]	P_c [MPa]
Helium	5.19	0.23	Chlorodifluoro-methane ($CHClF_2$)	369.3	4.97
Hydrogen	33.0	1.29			
Neon	44.4	2.76	Propane	369.8	4.25
Nitrogen	126.2	3.39	Hydrogen sulfide	373.3	8.94
Carbon monoxide	132.9	3.50	Ethyl fluoride	375.31	5.02
Argon	150.75	4.87	Radon	377.65	6.28
Oxygen	154.6	5.04	Carbonyl sulfide (COS)	378.8	6.35
Nitric oxide (NO)	180.15	6.48			
Methane	190.4	4.60	Dichlorodifluoro-methane (CF_2Cl_2)	385.0	4.14
Krypton	209.45	5.50			
Carbon tetrafluoride	227.6	3.74	Perfluorobutane	386.35	2.32
Silicon tetrafluoride	259.1	3.72	Propadiene (C_3H_4)	393.15	5.47
Silane (SiH_4)	269.69	4.84	Cyclopropane	397.85	5.49
Ethylene	282.4	5.04	Dimethyl ether	400.0	5.24
Xenon	289.7	5.84	Ammonia	405.55	11.35
Hexafluoroethane	293.0	3.06	Isobutane	408.2	3.65
Trifluoromethane(CHF_3)	299.3	4.86	Methylchloride	416.25	6.70
Chlorotrifluoro-methane ($CClF_3$)	301.95	3.87	Chlorine	416.9	7.98
			Hydrogen jodide	424.0	8.31
1,1Difluoroethene	302.85	4.46	n-Butane	425.2	3.80
Carbon dioxide	304.15	7.38	Methyl amine	430.0	7.43
Ethane	305.4	4.88	Sulfur dioxide	430.8	7.88
Chlorotrifluorosilane ($SiClF_3$)	307.65	3.47	Diethylether	466.7	3.64
			n-Pentane	469.7	3.37
Acetylene	308.3	6.14	Diethyl amine	496.5	3.71
Nitrous oxide (N_2O)	309.65	7.24	n-Hexane	507.5	3.01
Monofluoromethane	315.0	5.60	Acetone	508.1	4.70
Sulfurhexafluoride (SF_6)	318.75	3.76	Isopropanol	508.3	4.76
Hydrogen chloride	324.7	8.31	Methanol	512.6	8.09
Trifluorobromo-methane ($CBrF_3$)	340.2	3.97	Ethanol	513.9	6.14
			Ethyl acetate	523.25	3.83
1,1,1 Trifluoro-ethane (CH_3-CF_3)	346.25	3.76	n-Heptane	540.3	2.74
			Acetonitrile	545.5	4.83
Chloropentafluoro-ethane (C_2ClF_5)	353.15	3.23	Cyclohexane	553.5	4.07
			Benzene	562.2	4.89
Hydrogen bromide	363.15	8.55	Toluene	591.8	4.10
Propylene	364.95	4.60	Water	647.3	22.12