AZEOTROPIC DATA—II

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INTRODUCTION

This volume is a supplement to "Azeotropic Data" published as ADVANCES IN CHEMISTRY SERIES No. 6, American Chemical Society (1952).

It includes revised data on systems in the original table plus new data on azeotropes, nonazeotropes, and vapor-liquid equilibria collected since 1952. No attempt has been made to evaluate the data. Where appreciable differences occur in data from different sources, more than one set of data is recorded. Where minor differences occur, only one set of data is recorded, but all references are cited.

A brief description is included for calculating azeotropic data for immiscible systems from vapor pressure data.

In general data have been obtained from the original literature. Where the original literature was not available, data have been taken from *Chemical Abstracts*. In a few instances, data have been taken from collections of azeotropic data in handbooks, review articles, and so forth.

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The tables are arranged in the same manner as the previous volume. This is based on empirical formula as in *Chemical Abstracts* except that all inorganic compounds are listed first, alphabetically by empirical formula.

For a given binary system the lower order component according to empirical formula is chosen as the A-component and under each A-component the B-components are also arranged according to empirical formula. For ternary and quarternary systems the same arrangement is used, using the lowest order formula as A-component, the next lowest order as B-component, and so on.

With a few exceptions for common chemical names, nomenclature in the tables follows the *Chemical Abstracts* nomenclature system.

Abbreviations

max. b.p.	Maximum boiling point azeotrope (negative azeotrope)
min. b.p.	Minimum boiling point azeotrope (positive azeotrope)
atm.	Pressure in standard atmospheres
mm.	Pressure in millimeters of Hg
p.s.i.a.	Pressure in pounds per square inch absolute
p.s.i.g.	Pressure in pounds per square inch gage
v-l.	Vapor-liquid equilibrium data are given in the original reference
v.p.	Vapor pressure
vol. %	Azeotropic concentration is given in volume per cent. Unless so indicated, all concentration data are in weight %
$\sim$	Approximate
$>$, $<$	Greater than, less than

Corrections for Azeotropic Data—I

The following errors appeared in "Azeotropic Data," ADVANCES IN CHEMISTRY SERIES No. 6.

Page	*System*	
4	65	Replace A-component, thionyl chloride, with sulfuryl chloride.
6	131	Azeotropic composition is 7.9 wt. %. This is an error in the original reference.
7	176	Formula should be $C_3H_7NO_3$.
8	240	Replace 57% with 43% for azeotropic composition.
9	281	This system should follow system 277.
10	306	Replace "cyclohexane" with "cyclohexene."
13	482	Replace 6.32 by −6.32 for b.p. of methylamine.
19	834–835	A-component formula is $CHBr_3$.
23	1059–1060	Between systems 1059 and 1060 insert: A = CH_2I_2 Diiodomethane b. 181°C.
28	1389	Replace 59.05 with 49.05 for azeotropic b.p.
33	1696	A-component formula is C_2HBrCl_2.
83	4708–4709	Replace 43.6 with 38 for A-component b.p.
114	6546	Replace 11 with 154.5 for azeotropic b.p.
123		Between system 7090 and 7091, omit: A = C_4H_9I 1-Iodo-2-methyl propane.
149	8651	Replace reference 244 with 243.
154	8920	Replace $C_7H_{16}O_4$, 2-[2-(2-methoxyethoxy)ethoxy]-ethanol, with $C_6H_{14}O_3$, 2-(2-ethoxyethoxy)ethanol, and insert after system 8909.
251	14519	% B-component should be 93.4%.
257	14658	% A-component should be 8.5%.
267		Formula Cl_2O_2S. Replace thionyl chloride with sulfuryl chloride.
284		Under $C_6H_6O_2$, pyrocatechol, replace system 3510 with 3570.
296		Formula C_8H_{18}. Replace 3-ethylheptane with 3-methylheptane.

Calculation of Azeotropic Data for Immiscible Systems

There are many binary heterogeneous azeotropes which are not listed in the literature because the azeotropic data can readily be calculated from the vapor pressure data of the components.

For a mixture of two completely immiscible liquids the total vapor pressure is equal to the sum of the vapor pressures of the two components at a given temperature. Therefore, from a plot of the vapor pressures of the two components, it is possible to determine the temperature at which the sum of the vapor pressures is equal to 760 mm. This temperature is the azeotropic boiling point of the system at 760 mm. The boiling point at any other pressure can be obtained in a similar manner.

Further, the azeotropic composition can be calculated from the expression

$$\text{Mole } \% \text{ A} = \frac{V_A \times 100}{V_A + V_B}$$

V_A = vapor pressure of component A
V_B = vapor pressure of component B

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Table I. Binary Systems

	No.	B-Component Formula	Name	B.P., °C.	Azeotropic Data B.P., °C.	Wt.%A		Ref.
A =		**A**	**Argon**	**-186**				
	1	O_2	Oxygen	-183	Nonazeotrope		v-l	71
			1-15 atm.	...	...	...	v-l	232
			90°-96° K.	...	...	...	v-l	340
	2	C_5F_{12}	Perfluoropentane, 25°C.	...	Nonazeotrope		v-l	237
A =		**$AsCl_3$**	**Arsenic Chloride**	**130**				
	3	$GeCl_4$	Germanium chloride	86.5	Nonazeotrope		v-l	298
A =		**BeF_2**	**Beryllium Fluoride**					
	4	FNa	Sodium fluoride, 509°-1061° C.	...			v-l	299
A =		**B_2H_6**	**Diborane**					
	5	$C_4H_{10}O$	Ethyl ether, 25-100 p.s.i.g.	...	Nonazeotrope		v-l	206
A =		**BrF_3**	**Bromine Trifluoride**	**135**				
	6	BrF_5	Bromine pentafluoride	...	Nonazeotrope		v-l	200
	7	Br_2	Bromine, 1760 mm.	...	75	84.4	v-l	101
			" 3800 mm.	...	100	81.5	v-l	101
	8	FH	Hydrogen fluoride	19.4	Azeotropic			91
	9	F_6U	Uranium hexafluoride	56	Nonazeotrope			91
A =		**BrF_5**	**Bromine Pentafluoride**					
	10	FH	Hydrogen fluoride	19.4	20	56		4,91
			" 4 atm.	...	...	79		91
	11	F_6U	Uranium hexafluoride	56	Min. b.p.	82		91
			" 3 atm.	...	Nonazeotrope		v-l	203
			" 70°	...	Nonazeotrope		v-l	203
			" 90°	...	Nonazeotrope		v-l	203
			" 100 p.s.i.a.	...	...	62.5		91
A =		**Br_2**	**Bromine**	**58.9**				
	12	FH	Hydrogen fluoride	19.4	Azeotropic			91
	13	F_6U	Uranium hexafluoride	56	Azeotropic			91
	14	CCl_4	Carbon tetrachloride, 736 mm.	76	57.7	89.1	v-l	311
	15	$C_2Cl_3F_3$	1,1,2-Trichloro-1,2, 2-trifluoroethane	47.6	41	40.8	v-l	312
	16	$C_2Cl_4F_2$	1,1,1,2-Tetrachloro-2,2-difluoroethane	91.6	57.8	89.5	v-l	312
	17	$C_2HCl_3F_2$	1,2,2-Trichloro-1,1-difluoroethane, 736 mm.	71.1	54.1	73.5	v-l	313
	18	$C_2H_2Cl_2F_2$	1,1-Dichloro-2,2-difluoroethane, 735 mm.	59	49.6	62	v-l	313
	19	$C_3Cl_3F_5$	1,2,2-Trichloro-1,1, 3,3,3-pentafluoro-propane	72.5	49.1	60.5	v-l	312
	20	$C_7H_5F_3$	α, α, α-Trifluorotoluene	103.9	58.1	97	v-l	312
A =		**Br_3P**	**Phosphorus Tribromide**	**175.3**				
	21	C_nH_{2n+2}	Paraffin hydrocarbons	...	Min. b.p.			234

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**CO_2**	**Carbon Dioxide**	**-78.5**				
	22 H_2S	Hydrogen sulfide, 20-80 atm.	-59.6	Nonazeotrope		v-l	16, 17
	23 N_2O	Nitrous oxide	-90.7	Min. b.p.		v-l	293
	24 C_2H_2	Acetylene	-84	Nonazeotrope		v-l	293
		" Crit. press.	...	Nonazeotrope		v-l	293
	25 C_2H_4	Ethylene, <4 atm.	...	Nonazeotrope		v-l	293
		" 12 atm.	...	...	28.9	v-l	293
		" Crit. press.	...	...	51	v-l	293
	26 C_2H_6	Ethane	-88.6	...	59.5	v-l	293
		" Crit. press.	...	...	77.5	v-l	293
A =	**ClF_3**	**Chlorine Trifluoride**					
	27 ClH	Hydrogen chloride	-85	Reacts			4
	28 FH	Hydrogen fluoride	19.4	Azeotropic			91
		" 1183 mm.	...	20	93	v-l	90
		" 90 p.s.i.g.	...	...	94.5		91
		" 125 p.s.i.g.	...	...	94		91
		" 143 p.s.i.g.	...	...	93.8		91
		" 148 p.s.i.g.	...	...	93.7		91
	29 F_6U	Uranium hexafluoride	56	Nonazeotrope		v-l	89, 91
A =	**ClH**	**Hydrogen Chloride**	**-85**				
	30 Cl_2	Chlorine, 350 mm.	-44	Nonazeotrope			4
	31 H_2O	Water, 100 p.s.i.g.	169	177	85.2		334
		" 520 p.s.i.g.	244	250	93.5		334
		" 860 p.s.i.g.	275	280	97.2		334
		" 1360 p.s.i.g.	306	310	99.4		334
		" 1815 p.s.i.g.	328	330	99.9		334
	32 CH_4O	Methanol	64.7	Max. b.p.			76
A =	**Cl_2**	**Chlorine**	**-34.6**				
	33 FH	Hydrogen fluoride, 350 mm.	3.0	-47	92		4
		"	19.4	-35	...		4
A =	**Cl_2SO_2**	**Sulfuryl Chloride**	**69.1**				
	34 CCl_4	Carbon tetrachloride	76.75	Nonazeotrope		v-l	338
	35 C_2Cl_6	Hexachloroethane	184.8	Nonazeotrope		v-l	338
	36 $C_2H_2Cl_4$	1,1,2,2,-Tetrachloroethane	146.2	Nonazeotrope		v-l	338
	37 $C_2H_4Cl_2$	1,2-Dichloroethane	83.45	Nonazeotrope		v-l	338
A =	**Cl_3HSi**	**Trichlorosilane**					
	38 C_6H_6	Benzene, 30°-40° C.	...	Nonazeotrope, v.p. curve			302
A =	**Cl_3P**	**Phosphorus Trichloride**	**76**				
	39 C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			236
	40 C_6H_{14}	Hexane	68.8	68.7	8 vol. %		234
	41 C_7H_{16}	2,2-Dimethylpentane	79.1	Min. b.p.			234, 236
	42 C_7H_{16}	2,3-Dimethylpentane	89.8	74.5	98.8 vol. %		234
	43 C_7H_{16}	2,4-Dimethylpentane	80.5	74.2	73		234
	44 C_7H_{16}	2,2,3-Trimethylbutane	80.9	74.5	77		234
A =	**Cl_4Si**	**Silicon Tetrachloride**	**57.6**				
	45 CH_3SiCl_3	Methyl trichlorosilane, 20°-66°	...	Nonazeotrope, v.p. curve			179
	46 CH_4SiCl_2	Methyl dichlorosilane, 20°-66°	...	Nonazeotrope, v.p. curve			179
A =	**Cl_4Sn**	**Tin Chloride**	**114.1**				
	47 CCl_4	Carbon tetrachloride	76.8	Nonazeotrope		v-l	34
	48 C_8H_{18}	n-Octane	125.7	Nonazeotrope		v-l	34

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	Cl_4Ti	**Titanium Tetrachloride**	**146.2**				
	49 C_2Cl_4O	Trichloroacetyl chloride	118	Nonazeotrope		v-l	300
	50 $C_2H_2Cl_2O$	Chloroacetyl chloride	105	Nonazeotrope		v-l	300
	51 $C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane, 740 mm.	136.6	135.4	91.7	v-l	32
A =	DH	**Deuterium Hydride**	-				
	52 D_2	Deuterium, 18°-28° K.	-249.7	Nonazeotrope		v-l	238
	53 H_2	Hydrogen, 18°-28° K.	-252.7	Nonazeotrope		v-l	238
A =	D_2	**Deuterium**	**-249.7**				
	54 H_2	Hydrogen, 18°-28° K.	-252.7	Nonazeotrope		v-l	238
A =	FH	**Hydrogen Fluoride**	**19.4**				
	55 F_5Sb	Antimony pentafluoride	142.7	Nonazeotrope		v-l	301
	56 F_6U	Uranium hexafluoride					
		" 85 p.s.i.g.	...	...	22		91
		" 110 p.s.i.g.	...	...	18		91
		" 132 p.s.i.g.	...	...	15		91
		" 145 p.s.i.g.	...	...	14		91
	57 CCl_2F_2	Dichlorodifluoromethane, 150 p.s.i.g.	48	39	7.5		334
	58 $CHClF_2$	Chlorodifluoromethane					
		" 70 p.s.i.g.	7	<7	3		334
		" 150 p.s.i.g.	29	24	2.7		334
		" 230 p.s.i.g.	45	36	2.8		334
	59 $C_2HF_3O_2$	Trifluoroacetic acid		Nonazeotrope		v-l	222
A =	F_6S	**Sulfur Hexafluoride**					
	60 C_5F_{12}	Perfluoropentane, 25°C.	-	Nonazeotrope		v-l	237
A =	F_6W	**Tungsten Hexafluoride**	**25/1019; 45/1982 mm.**				
	61 C_5F_{10}	Perfluorocyclopentane	25/833	25/1035	85.4	v-l	288
		"	45/1642	45/2010	83.4	v-l	288
	62 C_5F_{12}	Perfluoropentane, 1140 mm.	40.86	28.11	93.2	v-l	13
A =	HNO_3	**Nitric Acid**	**86**				
	63 H_2O	Water, 50 mm.	37	57.8	13.7	v-l	19
		" 100 mm.	51.6	72.4	13.8	v-l	19
		" 200 mm.	66.5	86.4	14.0	v-l	19
		" 400 mm.	83.0	103.2	14.2	v-l	19
		" 760 mm.	100	120.7	14.4	v-l	19
			See also H_2O-N_2O_5 below				
	64 $CHCl_3$	Chloroform	61	47.5	15		258
A =	H_2O	**Water**	**100**				
	65 H_2O_2	Hydrogen peroxide	...			v-l	104
	66 H_2SO_4	Hydrogen sulfate	...	330	1.7		334
		" 200 mm.	...	...	1.6		334
	67 H_4N_2	Hydrazine, 124.8 mm.	66.8	74.2	33.2	v-l	30
		" 281.8 mm.	86.5	93.3	32.3	v-l	30
		" 411.2 mm.	96.8	103.6	31.0	v-l	30
		" 560.4 mm.	105.2	111.3	31.4	v-l	30
		" 700.6 mm.	111.7	117.6	32.6	v-l	30
		" 760 mm.	113.8	120	32.3	v-l	30
	68 N_2O_5	Nitrogen pentoxide	...	Max. b.p.	40	v-l	199
		"	...	Min. b.p.	14.3		199
		"	...	Max. b.p.	12.5		199
	69 CS_2	Carbon disulfide	46.5	43.6	2		334
	70 $CHCl_3$	Chloroform	61	56.1	2.8		56
	71 CH_2O_2	Formic acid, 40-760 mm.	...	...	...	v-l	42
		"	100.75	107.65	25.5	v-l	56, 217, 360

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
	72 CH_3NO_2	Nitromethane	101.2	83.59	23.6		54, 55
	73 CH_4O	Methanol	64.7	Nonazeotrope		v-1	68
	74 $C_2Cl_3F_3$	1,1,2-Trichlorotri-fluoroethane	47.5	44.5	1.0		334
	75 C_2Cl_4	Tetrachloroethylene	121	88.5	17.2		334
		"	121	87.7	15.8		170
	76 $C_2HF_3O_2$	Trifluoroacetic acid	...	105	21		222
	77 $C_2H_3Cl_2NO_2$	Methyl N,N-dichlo-rocarbamate	...	93	50 vol. %		39
	78 $C_2H_3Cl_3$	1,1,2-Trichloro-ethane	113.8	86.0	16.4		334
	79 C_2H_3N	Acetonitrile, 10 mm.	-15	<-16	2.6		336
		" 50 mm.	13	<12	5.8		336
		" 760 mm.	80.1	76.5	16.3		336
	80 $C_2H_4Cl_2$	1,2-Dichloroethane	83.5	71.6	8.2		334
		"	...	75.5	8.2		55
		" 150 mm.	...	33.5	4.9		55
		" 75 mm.	...	19.0	4.9		55
	81 $C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-1	56
	82 C_2H_5BrO	2-Bromoethanol, 150 mm.	100	58	55.7		76
	83 C_2H_5ClO	2-Chloroethanol, 50 mm.	60	37.1	60.2		334
		" 100 mm.	75	51.1	59.3		334
	84 $C_2H_5NO_2$	Nitroethane	114.07	87.22	28.5		54, 55
	85 C_2H_6O	Ethyl alcohol, 150°-350° C.	...	...	...	v-1	14
		" 250-2500 mm.	...	...	...	v-1	251
	86 $C_2H_6O_2$	Ethylene glycol, 76-760 mm.	...	Nonazeotrope		v-1	60
	87 C_2H_7NO	2-Aminoethanol	170.5	Nonazeotrope			334
		" 100 mm.	112	Nonazeotrope			334
	88 $C_2H_8N_2$	1,1-Dimethylhydra-zine, 102 mm.	...	Max. b.p.	82.5		37
		"		Nonazeotrope			37
	89 $C_2H_8N_2$	1,2-Ethylenediamine	116	...	18.0	v-1	76
		" >3400 mm.	...	Nonazeotrope			76
		"	116.9	119	18.4		334
	90 $C_3HF_5O_2$	Pentafluoropropionic acid	...	109	10		222
	91 C_3H_3N	Acrylonitrile	77.2	70.6	14.3		334
	92 C_3H_3NS	Thiazole, 695.5 mm.	...	90	34.8	v-1	219
		" 750 mm.	111.5	92.1	35.3	v-1	219
	93 C_3H_4O	Acrolein	52.8	52.4	2.6		334
	94 C_3H_4O	2-Propyn-1-ol	115	97	54.5		95
	95 $C_3H_4O_2$	Acrylic acid	141.2	Nonazeotrope			334
	96 $C_3H_4O_3$	Ethylene carbonate	...	Nonazeotrope			334
	97 C_3H_5Cl	3-Chloropropene	44.9	43.0	2.2		334
	98 C_3H_5Cl	Methylvinyl chloride	...	33	0.9		334
	99 C_3H_5NO	Hydracrylonitrile	229.7	Nonazeotrope			334
	100 $C_3H_6Cl_2O$	2,3-Dichloro-1-propanol	183.8	99.4	87		334
	101 C_3H_6O	Acetone	56.1	Nonazeotrope		v-1	254
		" 50 p.s.i.a.	...	Nonazeotrope		v-1	254
		" 100 p.s.i.a.	...	125.4	5.2	v-1	254
		" 200 p.s.i.a.	...	157.6	7.2	v-1	254
		" 250 p.s.i.a.	...	168.4	9.4	v-1	254
		" 500 p.s.i.a.	...	206.0	14.3	v-1	254
	102 C_3H_6O	Allyl alcohol, 752 mm.	96.90	...	...	v-1	130
	103 C_3H_6O	Propionaldehyde	47.9	47.5	2		334
		"	...	47.5	2.5		84
	104 C_3H_6O	Propylene oxide	35	Nonazeotrope		v-1	60
	105 $C_3H_6O_2$	1,3-Dioxolane	75.6	71.9	7		334
	106 $C_3H_6O_2$	Ethyl formate	54.2	52.6	5		334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
	107 $C_3H_6O_2$	2-Methoxyacetaldehyde, 770 mm.	92	88.5	12.8		77
	108 $C_3H_6O_2$	Methyl acetate, <10 p.s.i.a.	...	Nonazeotrope			131
		"	56.3	56.1	5		334
		" 265 mm.	30	30	1.5		334
	109 C_3H_7Cl	1-Chloropropane	46.6	44	2.2		334
	110 C_3H_7Cl	2-Chloropropane	36.5	35.0	1		334
	111 C_3H_7NO	Dimethylformamide, 500 mm.	138	Nonazeotrope			334
		" 200-760 mm.	...	Nonazeotrope		v-l	319
	112 $C_3H_7NO_2$	1-Nitropropane	131.18	91.63	36.5		54, 55
	113 $C_3H_7NO_2$	2-Nitropropane	120.25	88.55	29.4		54, 55
	114 C_3H_8O	Propyl alcohol, 47 mm.	...	...	31.8		117
		" 200 mm.	...	56.68	29.6	v-l	228, 306
		" 400 mm.	...	71.92	29.0	v-l	306
		" 600 mm.	...	81.68	28.5	v-l	306
		"		87.65	28.3	v-l	306
		"	In 1.5M $CaCl_2$ Solution			v-l	72
	115 C_3H_8O	Isopropyl alcohol, 95 mm.	...	36	13	v-l	347
		" 190 mm.	...	49.33	12.8	v-l	347
		" 380 mm.	...	63.90	12.6	v-l	347
		" 760 mm.	82.5	80.10	12.0	v-l	347
		" 3087 mm.	...	120.45	11.7	v-l	347
		" 150°-300° C.	...			v-l	14
		"	...	Evaporation data			196
		"	Effect of dissolved salt			v-l	265
	116 $C_3H_8O_2$	2-Methoxyethanol, 100 mm.	...	51.5	80.5	v-l	152
		" 752 mm.	...	99.2	81	v-l	152
		" 150 mm.	79.2	Nonazeotrope			334
		" 760 mm.	124.6	99.9	84.7		334
		" 100 p.s.i.g.	212	169	73.3		334
	117 $C_3H_8O_2$	1,2-Propanediol	188	Nonazeotrope		v-l	60
	118 $C_3H_8O_2$	1,3-Propanediol	214.8	Nonazeotrope		v-l	334
	119 C_3H_9N	Propylamine	47.8	Nonazeotrope			334
	120 C_3H_9N	Trimethylamine	3.2	75.5	10	v-l	148
		" 0°-100° C.	...			v-l	148
	121 C_3H_9NO	1-Amino-2-propanol	159.9	Nonazeotrope			334
	122 $C_4HF_7O_2$	Perfluorobutyric acid	122.0	97	71		222
	123 C_4H_5N	3-Butenenitrile	118.9	89.4	34		334
	124 C_4H_5N	Methacrylonitrile	...	76.5	16		269
	125 C_4H_6ClN	2-Chloro-2-methylpropionitrile	116	87	22		269
	126 C_4H_6O	Crotonaldehyde, 111 mm.	84.9	40	19		334
		" 273 mm.	112.3	60	22		334
		" 412 mm.	126.4	70	23		334
		"	102.4	84	24.8		96, 142, 334
	127 C_4H_6O	Methacrylaldehyde	68.0	63.6	7.7		269, 334
	128 $C_4H_6O_2$	3-Butenoic acid	...	Nonazeotrope			334
	129 $C_4H_6O_2$	trans-Crotonic acid	185	Nonazeotrope			334
	130 $C_4H_6O_2$	Crotonic acid	...	99.9	97.8		84
	131 $C_4H_6O_2$	Butyrolactone	204.3	Nonazeotrope			334
	132 $C_4H_6O_2$	Vinyl acetate	72.7	66	7.3		334
	133 $C_4H_6O_3$	Propylene carbonate	242.1	Nonazeotrope			334
	134 C_4H_7ClO	2-Chloroethyl vinyl ether	109.1	84	17		334
	135 C_4H_7N	Butyronitrile	117.6	88.7	32.5		334
	136 C_4H_7NO	2-Hydroxyisobutyronitrile, 30 mm.	...	Nonazeotrope			334
		" 50 mm.	...	Nonazeotrope			334

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P.,°C.	B.P.,°C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
137	$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	179.2	98	65.5		334
138	C_4H_8O	2-Butanone	79.6	73.4	11.0		78
		" 3.5 p.s.i.g.	...	79.3	12.1		78
		" 9.2 p.s.i.g.	...	88.0	12.5		78
		" 30 p.s.i.g.	...	111	15.8		78
		" 60 p.s.i.g.	...	125	18.3		78
		" 14.7 p.s.i.a.	...	73.3	11.6	v-l	254
		" 50 p.s.i.a.	...	112.2	15.9		254
		" 100 p.s.i.a.	...	139.0	19.3		254
		" 250 p.s.i.a.	...	180.7	23.4		254
		" 500 p.s.i.a.	...	216.1	26.4		254
		"		Evaporation behavior			196
139	C_4H_6O	Butyraldehyde	74.8	68.0	9.7		334
		"	...	67.8	6.7		84
140	C_4H_8O	Ethyl vinyl ether	35.5	34.6	1.5		334
141	C_4H_8O	Isobutyraldehyde	63.5	64.3	6.7		84
142	C_4H_8O	Methyl propenyl ether	46.3	46.3	0.5		334
143	C_4H_6OS	2-Methylthiopropional-dehyde, 85 mm.	...	48	64		76
		" 412 mm.	...	82	60		76
		" 753 mm.	...	97.5	68		76
		" 759 mm.	...	97.5	63		76
144	C_4H_8OS	1,4-Oxathiane	149.2	95.6	48		334
145	$C_4H_8O_2$	p-Dioxane	Effect of dissolved salt			v-l	265
		" 260 mm.	...	60	15.4		60
146	$C_4H_8O_2$	Ethoxyacetaldehyde	105	90	21.8		77
147	$C_4H_8O_2$	2-Hydroxybutyr-aldehyde, 80 mm.	...	Nonazeotrope			334
148	$C_4H_8O_2$	Isobutyric acid	154.5	98.8	71.8		84
149	$C_4H_8O_2$	3-Methoxypropional-dehyde, 100 mm.	...	45	30		334
150	$C_4H_8O_2$	2-Methyl-1,3-dioxolane	82.5	75	8		76
151	$C_4H_8O_2$	Methyl propionate	79.7	71.0	8.2		84
152	$C_4H_8O_2$	2-Vinyloxyethanol	143	98	65		94
153	C_4H_9NO	Morpholine	128.3	Nonazeotrope			334
154	$C_4H_9NO_2$	N-(2-Hydroxyethyl) acetamide	...	Nonazeotrope			334
155	$C_4H_{10}O$	Butyl alcohol	...	Evaporation behavior			196
		" 250-2500 mm.	...	...	...	v-l	251
		" 30 mm.	48	28	52.4		335
156	$C_4H_{10}O$	sec-Butyl alcohol	99.5	87.0	26.8	v-l	352
		"	...	Evaporation behavior			196
		"	99.5	88.5	32		334
		" 20 mm.	27.3	16.0	32.2		147
157	$C_4H_{10}O$	Ethyl ether, 20 p.s.i.g.	62	60	2.0		334
158	$C_4H_{10}O$	Isobutyl alcohol, 745 mm.	...	...	...	v-l	335
159	$C_4H_{10}O_2$	1,2-Dimethoxyethane, 100 mm.	35	...	6		9
		"	85.2	...	10.4		9
		"	85	77.4	10.1		76
160	$C_4H_{10}O_2$	2-Ethoxyethanol, <100 mm.	...	Nonazeotrope			18
		" 200 mm.	...	66.4	70	v-l	18
		" 400 mm.	...	82.4	79	v-l	18
		"	134	98.2	87	v-l	18
		" 200 mm.	96.5	66.4	85		334
		" 400 mm.	115.6	82.4	76		334
		"	135.6	99.4	71.2		334
161	$C_4H_{10}O_3$	Diethylene glycol,	...	Nonazeotrope		v-l	60
		" 10 mm.	...	Nonazeotrope		v-l	60
162	$C_4H_{11}N$	Butylamine, 575 mm.	69	69	1.3		334
		" 20 p.s.i.g.	106	-	6.5		334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
	163 $C_4H_{11}N$	Diethylamine		Effect of NaOH on		v-l	150
		"	55.5	Nonazeotrope		v-l	149, 334
	164 $C_4H_{11}NO$	2-Dimethylamino-ethanol, 27 p.s.i.g.	174	-	90.2		334
		" 744 mm.	133.9	99	92.6		334
		" 540 mm.	123.4	91	95.2		334
		" 250 mm.	100.7	71	98.2		334
	165 $C_4H_{11}NO_2$	2,2'-Iminodiethanol	...	Nonazeotrope			334
	166 $C_5H_4O_2$	2-Furaldehyde, 1-18 atm.	161.7	-	-	v-l	216
	167 C_5H_5N	Pyridine	115.3	93.6	41.3		147
		" 120 mm.	...	-	46.2		117
		" 758 mm.	...	-	40.5		117
		" >760 mm.	...	30	40.7	v-l	146
		" >760 mm.	...	50	-	v-l	146
		" >760 mm.	...	80	40.7		146, 360
		"	Effect of dissolved salt			v-l	265
	168 $C_5H_6N_2$	2-Methylpyrazine, 737 mm.	133	97	55		351
		"	130	92.6	36 vol. %		279
	169 C_5H_6O	2-Methylfuran, 740 mm.	62.7	57.3	3.4	v-l	310
	170 C_5H_7N	3-Methyl-3-butene-nitrile	137.0	93.0	43.2		334
	171 C_5H_8O	Allyl vinyl ether	67.4	60	5.4		334
	172 C_5H_8O	Cyclopentanone	130.8	94.6	42.4	v-l	334
		" 740 mm.	130	92.6	36 vol. %		279
	173 C_5H_8O	1-Methoxy-1,3-butadiene	90.7	76.2	12.7		334
	174 C_5H_8O	3-Penten-2-one	123.5	92	28.6		334
	175 C_5H_8O	3-Methyl-3-butene-2-one	97.9	81.5	18.4		334
	176 C_5H_8O	4-Pentenal	106	84.3	21		334
	177 $C_5H_8O_2$	Allyl acetate	104.1	83	16.7		334
	178 $C_5H_8O_2$	Ethyl acrylate	99.5	81.1	15		283
		" 195 mm.	61	48	12		334
	179 $C_5H_8O_2$	Isopropenyl acetate, " 200 mm.	60.2	48	11		334
		"	97.4	79.3	13.4		334
	180 $C_5H_8O_2$	Methyl methacrylate	100.8	83	14		283
	181 $C_5H_8O_2$	2,4-Pentanedione	140.6	94.4	41		334
	182 $C_5H_8O_2$	Δ-Valerolactone	...	Nonazeotrope			334
	183 $C_5H_8O_2$	Vinyl propionate	95.0	79	13		334
	184 $C_5H_{10}Cl_2O_2$	Bis(2-chloroethoxy) methane	218.1	99.4	86.8		334
	185 $C_5H_{10}N_2$	3-Dimethylamino-propionitrile	174.5	99.6	84		334
	186 $C_5H_{10}O$	cis-1-Butenyl methyl ether	72.0	64	6.1		334
	187 $C_5H_{10}O$	trans-1-Butenyl methyl ether	76.7	67	7.2		334
	188 $C_5H_{10}O$	Isopropenyl ethyl ether	61.9	58	2		334
	189 $C_5H_{10}O$	Isopropyl vinyl ether	55.7	51.8	2.7		334
	190 $C_5H_{10}O$	Propyl vinyl ether	65.1	59	5		334
	191 $C_5H_{10}O$	Tetrahydropyran	88	71	8.5		82
	192 $C_5H_{10}O$	Valeraldehyde	103.3	83	19		334
	193 $C_5H_{10}O$	Valeraldehydes (isomers)	98.6	80	17		334
	194 $C_5H_{10}O_2$	Ethyl propionate, 350 mm.	76.0	61	13.3		334
	195 $C_5H_{10}O_2$	3-Methoxybutyraldehyde, 100 mm.	...	50	37		334
		" 200 mm.	...	64	37		334
		"	131	>92	35		334

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
196	$C_5H_{10}O_2$	Propyl acetate, 200-700 mm.	...			v-l	307
197	$C_5H_{10}O_2$	Valeric acid	185.5	99.8	89		334
198	$C_5H_{10}O_2$	Valeric acid (isomers)	183.2	99.6	85		334
199	$C_5H_{10}O_2$	1-Vinyloxy-2-propanol	...	~100	75		94
200	$C_5H_{10}O_2$	3-Vinyloxy-1-propanol	...	~100	75		94
201	$C_5H_{10}O_3$	3-Ethoxypropionic acid	219.2	Nonazeotrope			334
202	$C_5H_{10}O_3$	3-Methoxybutyric acid	...	Nonazeotrope			334
203	$C_5H_{10}O_3$	Methoxymethyl propionate	...	95	56		334
204	$C_5H_{11}NO$	4-Methylmorpholine	115.6	94.2	24		334
205	C_5H_{12}	Pentane	36.1	34.6	1.4		334
206	$C_5H_{12}N_2$	1-Methylpiperazine	138.0	Nonazeotrope			334
207	$C_5H_{12}O_2$	1,2-Dimethoxypropane	92	80	11		334
208	$C_5H_{12}O_2$	1-Ethoxy-2-propanol	132.2	97.3	50.1		334
209	$C_5H_{12}O_2$	3-Methoxy-1-butanol	161.1	98.5	80		334
210	$C_5H_{12}O_2$	1,5-Pentanediol	242.5	Nonazeotrope			334
211	$C_5H_{12}O_2$	2-Propoxyethanol	151.5	98.8	70		334
212	$C_5H_{13}N$	N-Methylbutylamine	91.1	82.7	15		334
213	$C_5H_{13}NO$	1-Ethylamino-2-propanol	159.4	Nonazeotrope			334
214	$C_5H_{14}N_2$	N,N-Dimethyl-1,3-propanediamine	134.9	Nonazeotrope			334
215	C_6H_7N	Aniline, 742 mm.	...	98.6	80.8	v-l	143
		" 6 atm.	...	155	76.6	v-l	143
		" 11 atm.	...	182	76.2	v-l	143
		" 16.4 atm.	...	200	77.4	v-l	143
216	C_6H_7N	3-Picoline	144.1	97	60	v-l	365
217	C_6H_7N	4-Picoline	144.3	97.35	62.8	v-l	365
		"	...	97.4	63.5		334
218	$C_6H_8N_2$	2,5-Dimethylpyrazine	154	98.5	65		351
219	C_6H_8O	2,5-Dimethylfuran	93.3	77.0	11.7		334
220	C_6H_8O	2,4-Hexadienal	171	98.0	70		334
221	$C_6H_8O_2$	1,3-Butadienyl acetate	138.5	93	35.6		334
222	$C_6H_8O_2$	Vinyl crotonate	133.9	92	31		334
223	$C_6H_9N_3$	3,3'-Iminodipropionitrile	...	Nonazeotrope			334
224	C_6H_{10}	2-Ethyl-1,3-butadiene	66.9	60.2	5.3		334
225	$C_6H_{10}O$	Cyclohexanone, <760 mm.	...	90	...	v-l	121
		"	155.6	96.3	55	v-l	121
		"	155.4	95	61.6		334
226	$C_6H_{10}O$	2-Ethylcrotonaldehyde	135.3	92.7	38		334
227	$C_6H_{10}O$	2-Hexenal	149	95.1	48.6		334
228	$C_6H_{10}O$	5-Penten-2-one	128.9	92.1	35.3		334
229	$C_6H_{10}O$	2-Methyl-2-pentenal	138.2	93.5	40		334
230	$C_6H_{10}O_2$	Ethyl crotonate	137.8	93.5	38		334
231	$C_6H_{10}O_2$	Vinyl butyrate	116.7	87.2	20.4		334
232	$C_6H_{10}O_2$	Vinyl isobutyrate	105.4	83.5	17		334
233	$C_6H_{10}O_4$	Ethylene glycol diacetate	190.8	99.7	84.6		334
234	$C_6H_{11}N$	Diallylamine	110.5	87.2	24		334
235	$C_6H_{11}NO$	6-Caprolactam, 50-760 mm.	...	...	...	v-l	333
236	$C_6H_{11}NO_3$	2-Methyl-2-nitropropyl vinyl ether, 10 mm.	77-78	...	8.6		341
237	C_6H_{12}	Cyclohexane	80.8	69.5	8.4		147
238	C_6H_{12}	4-Methyl-2-pentene	56.7	53.5	3.5		334
239	$C_6H_{12}Cl_2O$	Bis(chloroisopropyl) ether	187.0	98.5	62.6		334
240	$C_6H_{12}Cl_2O_2$	1,2-Bis(2-chloroethoxy)ethane	240.9	99.7	94.0		334
241	$C_6H_{12}O$	Butyl vinyl ether	94.2	77.5	11.6		334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
	242 $C_6H_{12}O$	Cyclohexanol, 42 mm.	...	35	86		374
		" 57 mm.	...	40	84.8		374
		" 95 mm.	...	50	82.5		374
		" 158 mm.	...	60	80.2		374
		" 252 mm.	...	70	77.8		374
		" 385 mm.	...	80	75.2		374
		" 570 mm.	...	90	72.6		374
		" 684 mm.	...	95	70.7		374
		"	160.65	97.8	69.5		374
		" <760 mm.	160.65	90	74	v-l	122
	243 $C_6H_{12}O$	2-Ethylbutyraldehyde	116.7	87.5	23.7		334
	244 $C_6H_{12}O$	Isobutyl vinyl ether	83.4	70.5	7.8		334
	245 $C_6H_{12}O$	Hexaldehyde	128.3	91.0	31.3		334
	246 $C_6H_{12}O$	2-Methylpentanal	118.3	88.5	23		334
	247 $C_6H_{12}OS$	2-Ethylthioethyl vinyl ether	169.7	97.8	61		334
	248 $C_6H_{12}O_2$	2-Ethylbutyric acid	194.2	99.7	87		334
	249 $C_6H_{12}O_2$	Hexanoic acid	205.7	99.8	92.1		334
	250 $C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone	...	Nonazeotrope		v-l	125
		" 100 mm.	...	Nonazeotrope		v-l	125
		" 200 mm.	123.5	66.4	97	v-l	125
		" 400 mm.	143	82.6	90	v-l	125
		" 760 mm.	161	99.5	85	v-l	125
		"	169.2	99.6	87		335
	251 $C_6H_{12}O_2$	2-Ethyl-2-methyl-1,3-dioxolane	117.6	88.5	20		334
	252 $C_6H_{12}O_2$	2-Methylpentanoic acid	196.4	99.4	87.9		334
	253 $C_6H_{12}O_2$	4-Vinyloxy-1-butanol	-	Min. b.p.			94
	254 $C_6H_{12}O_2$	Tetrahydropyran-2-methanol	187.2	Nonazeotrope			334
	255 $C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.2	97.5	55.6		334
	256 $C_6H_{12}O_3$	Methyl 3-ethoxy-propionate, 50 mm.	...	37	50		334
	257 $C_6H_{12}O_3$	2-(2-Vinyloxyethoxy) ethanol	...	~100	97-8		94
		"	207.6	Nonazeotrope			334
	258 $C_6H_{13}Cl$	1-Chlorohexane	134.5	91.8	29.7		334
	259 $C_6H_{13}N$	Cyclohexylamine, 40 mm.	51.4	31.7	69.0		38
		" 70 mm.	...	41.9	66.0		38
		" 100 mm.	72	49.0	64.1		38
		" 200 mm.	90.9	63.6	60.7		38
		" 300 mm.	102.5	72.7	59.1		38
		" 500 mm.	118.9	85.3	57.0		38
		" 760 mm.	134.5	96.4	55.8		38
	260 $C_6H_{13}N$	Hexamethyleneimine	138	95.5	49.5		81
	261 $C_6H_{13}NO$	2,6-Dimethyl-morpholine	146.6	99.6	70		334
	262 $C_6H_{13}NO$	4-Ethylmorpholine	138.3	96.7	46.2		334
	263 $C_6H_{13}NO_2$	4-Morpholineethanol	225.5	Nonazeotrope			334
	264 C_6H_{14}	Hexane	68.7	61.6	5.6		334
	265 $C_6H_{14}N_2$	2,5-Dimethylpiperazine	164	Nonazeotrope			334
	266 $C_6H_{14}N_2O$	4-(2-Aminoethyl) morpholine	204.7	Nonazeotrope			334
	267 $C_6H_{14}N_2O$	1-Piperazineethanol	246.3	Nonazeotrope			334
	268 $C_6H_{14}O$	Butyl ethyl ether	92.2	76.6	11.9		334
	269 $C_6H_{14}O$	2-Ethyl-1-butanol	147.0	96.7	58		335
	270 $C_6H_{14}O$	Hexyl alcohol	157.1	97.8	67.2		335
	271 $C_6H_{14}O$	Isopropyl ether, 131 mm.	22.47	20.0	2.6		334
		" 297 mm.	41.82	38.0	3.4		334
		" 481 mm.	54.75	50.0	4.0		334
		" 1520 mm.	92	88	7.6		334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
	272 $C_6H_{14}O$	2-Methyl-1-pentanol	148	97.2	60		334
	273 $C_6H_{14}O$	4-Methyl-2-pentanol	131.8	94.3	43.3		334
	274 $C_6H_{14}O_2$	1,1-Diethoxyethane	102.1	82.6	14.3		334
	275 $C_6H_{14}O_2$	1,1-Dimethoxybutane	114	87.3	20.3		334
	276 $C_6H_{14}O_2$	1,3-Dimethoxybutane	120.3	89.6	30		334
	277 $C_6H_{14}O_2$	1,1-Dimethoxy-2-methylpropane	104.7	83.9	14.3		334
	278 $C_6H_{14}O_2$	2-Methyl-1,5-pentanediol	242.4	Nonazeotrope			334
	279 $C_6H_{14}O_2$	3-Methyl-1,5-pentanediol	248.4	Nonazeotrope			334
	280 $C_6H_{14}O_3$	Bis(2-methoxyethyl) ether, 100 mm.	103	-	89.5		9
		" 760 mm.	162	-	80.2		9
		" 800 mm.	164	-	80		9
		" 760 mm.	164	99.55	78	v-l	76
	281 $C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			334
	282 $C_6H_{15}N$	Diisopropylamine	84.1	74.1	9		334
	283 $C_6H_{15}N$	1,3-Dimethylbutyl-amine	108.5	89.5	28.6		334
	284 $C_6H_{15}N$	Dipropylamine	109	86.7	-		41
	285 $C_6H_{15}N$	N-Ethylbutylamine	111.2	87.5	43.6		334
	286 $C_6H_{15}N$	Hexylamine	132.7	95.5	49		334
	287 $C_6H_{15}N$	Triethylamine	89.4	Compound formation		v-l	315
	288 $C_6H_{15}NO$	2-Butylaminoethanol	199.3	Nonazeotrope			334
	289 $C_6H_{15}NO$	2-Diethylaminoethanol	162.1	98.9	74.4		334
	290 $C_6H_{15}NO$	1-Isopropylamino-2-propanol	164.5	99.8	86		334
	291 $C_6H_{15}N_3$	4-(2-Aminoethyl) piperazine	222.0	Nonazeotrope			334
	292 $C_6H_{16}N_2$	N,N-Diethylethylene-diamine	144.9	99.8	79.5		334
	293 $C_6H_{16}N_2$	N,N,N',N'-Tetra-methylethylene-diamine	119-22	95.6	30		287
	294 C_7H_8	Toluene	110.7	Evaporation behavior			196
		"	110.6	85	20.2		334
	295 $C_7H_8O_2$	Guaiacol	205.0	99.5	87.5		96
	296 C_7H_9ClO	2-Chloroallylidene diacetate	212.1	99.7	85		334
	297 C_7H_9N	2,6-Lutidine	142	96.02	51.8	v-l	365
	298 C_7H_9N	Tetrahydrobenzonitrile	195.1	98.8	78.3		334
	299 $C_7H_{10}O$	1,2,3,6-Tetrahydro-benzaldehyde	164.2	96.9	60		334
	300 $C_7H_{10}O_4$	Allylidene diacetate	-	98.7	71		334
	301 C_7H_{12}	2,4-Dimethyl-1,3-pentadiene, 750.6 mm.	93.3	76.8	13		334
	302 $C_7H_{12}O$	3-Hepten-2-one	162.9	96	55.7		334
	303 $C_7H_{12}O_2$	Butyl acrylate	147	94.5	40		76
		"	...	94.3	38		334
		" 100 mm.	...	47.8	41		334
	304 $C_7H_{12}O_2$	2-Ethoxy-3,4-dihydro-1,2-pyran	142.9	93.6	34.9		334
	305 $C_7H_{12}O_4$	Pimelic acid, 100 mm.	272	Nonazeotrope			334
	306 $C_7H_{14}O$	Butyl isopropenyl ether	114.8	86.3	18.8		334
	307 $C_7H_{14}O$	3-Heptanone	147.6	94.6	42.2		334
	308 $C_7H_{14}O$	4-Heptanone	143.7	94.3	40.5		334
	309 $C_7H_{14}O$	5-Methyl-2-hexanone	144	94.7	44		334
		"	...	93.0	75		84
	310 $C_7H_{14}O_2$	Amyl acetate (isomers)	146	94	36.2		334

	B-Component			Azeotropic Data		
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt. %A	Ref.
A =	H_2O	Water (continued)	100			
311	$C_7H_{14}O_3$	Ethyl 3-ethoxypropionate	170.1	97	63	334
		" 100 mm.	107.8	50.5	71	334
312	$C_7H_{14}O_3$	3-Methoxybutyl acetate	171.3	96.5	65.4	334
313	$C_7H_{14}O_4$	2-(2-Methoxyethoxy) ethyl acetate	208.9	Nonazeotrope		334
314	C_7H_{16}	Heptane	98.4	79.2	12.9	334
315	$C_7H_{16}O$	5-Methyl-2-hexanol	...	96.5	59.1	84
316	$C_7H_{16}O_2$	1-Butoxy-2-r thoxyethane	149.9	95.6	42	334
317	$C_7H_{16}O_2$	1-Butoxy-2-propanol	170.1	98.6	72	334
318	$C_7H_{16}O_2$	2-Ethyl-1,5-pentanediol	253.3	Nonazeotrope		334
319	$C_7H_{16}O_3$	1-(2-Ethoxyethoxy)-2-propanol	198.1	Nonazeotrope		334
320	$C_7H_{16}O_3$	2-Ethoxyethyl 2-methoxyethyl ether	-	99.5	82	334
321	$C_7H_{16}O_3$	2-(2-Propoxyethoxy) ethanol	215.8	Nonazeotrope		334
322	$C_7H_{17}NO$	1-Diethylamino-2-propanol	159.5	97.2	55	334
323	$C_7H_{18}N_2$	3-Diethylaminopropylamine	169.4	99.8	93	334
324	C_8H_8	Styrene	145.1	93.9	40.9	334
325	$C_8H_8Cl_2O_2$	2-(2,4-Dichlorophenoxy)ethanol	...	~100	~99.6	334
326	C_8H_8O	Acetophenone	201.6	99.1	81.5	334
327	C_8H_8	(Epoxyethyl)benzene	194.2	99.2	77.6	334
328	C_8H_{10}	Ethylbenzene	136.2	92	33.0	334
		"	...	91	30.6	84
329	C_8H_{10}	m-Xylene	139.1	94.5	40	334
330	$C_8H_{10}O$	α-Methylbenzyl alcohol	203.4	99.7	89	335
331	$C_8H_{11}N$	N-Ethylaniline	204.8	99.2	83.9	334
332	$C_8H_{11}N$	α-Methylbenzylamine	188.6	99.4	83.8	334
333	$C_8H_{11}N$	2-Methyl-5-ethylpyridine	178.3	98.4	72	334
334	$C_8H_{11}N$	ar-Methyl-1,2,3,6-tetrahydrobenzonitrile	205.4	99.1	82.6	334
335	$C_8H_{12}O$	2-Methyl-1,2,3,6-tetrahydrobenzaldehyde	176.4	97.7	92.2	334
336	$C_8H_{12}O_2$	3,4-Dihydro-2,5-dimethyl-2H-pyran-2-carboxaldehyde	170.9	97.4	56	334
337	$C_8H_{12}O_4$	Diethyl fumarate	218.1	99.5	87.5	334
338	C_8H_{14}	Diisobutylene	102.3	82	12	334
339	$C_8H_{14}O$	Bicyclo[2.2.1] heptane-2-methanol	203.9	99.7	91	334
340	$C_8H_{14}O$	Diisobutylene oxide	...	94	37	334
341	$C_8H_{14}O$	2-Ethyl-2-hexenal	176	97.6	60.9	334
342	$C_8H_{14}O$	2-Octenal	...	99.2	76.2	334
343	$C_8H_{14}O_2$	1,1-Diallyloxyethane	150.9	95.3	41	334
344	$C_8H_{14}O_2$	2-Ethyl-3-hexenoic acid	231.8	99.9	97.4	334
345	$C_8H_{14}O_2$	Vinyl 2-methylvalerate	148.8	95	38	334
346	$C_8H_{14}O_3$	Bis(2-vinyloxyethyl) ether	198.7	99.4	82	334
347	$C_8H_{14}O_3$	Butyl acetoacetate	213.9	99.4	84.1	334
348	$C_8H_{14}O_4$	Diethyl succinate	216.2	99.9	91	334
349	$C_8H_{15}N$	2-(Aminomethyl) bicyclo[2.2.1] heptane	185.9	99	82	334
350	$C_8H_{16}O$	2-Ethylhexaldehyde	163.6	96.4	51.6	334

	B-Component			Azeotropic Data		
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt. %A	Ref.
A =	H_2O	Water (continued)	100			
351	$C_8H_{16}O$	2,4,4-Trimethyl-1,2-epoxypentane	140.9	93.4	33	334
352	$C_8H_{16}O$	2,4,4-Trimethyl-2,3-epoxypentane	127.3	91	25	334
353	$C_8H_{16}OS$	2-Butylthioethyl vinyl ether	210.5	99.3	80	334
354	$C_8H_{16}O_2$	2-Butoxyethyl vinyl ether	...	97.0	52.8	334
355	$C_8H_{16}O_2$	2,3-Epoxy-2-ethylhexanol	...	100	99.5	334
356	$C_8H_{16}O_2$	2-Ethylbutyl acetate	162.3	97.0	52.4	334
357	$C_8H_{16}O_2$	2-Ethylhexanoic acid	227.6	99.9	96.4	334
		"	...	99.5	97.6	84
358	$C_8H_{16}O_2$	Hexyl acetate	171.0	97.4	61	334
359	$C_8H_{16}O_2$	Iso-octanoic acid (isomers)	220	99.9	96	334
360	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	94.8	36.7	334
361	$C_8H_{16}O_3$	2-Butoxyethyl acetate	192.2	98.8	71.9	334
362	$C_8H_{16}O_3$	2,5-Diethoxytetrahydrofuran	173.0	98	60	334
363	$C_8H_{16}O_3$	2-Ethoxyethyl 2-vinyloxyethyl ether	194.0	99.3	82.3	334
364	$C_8H_{16}O_4$	2-(2-Ethoxyethoxy) ethyl acetate	217.4	Nonazeotrope		334
365	$C_8H_{17}Cl$	1-Chloro-2-ethylhexane	173	97.3	55	334
366	$C_8H_{17}N$	N-Ethylcyclohexylamine	164.9	97.1	58	334
367	$C_8H_{17}N$	5-Ethyl-2-methylpiperidine	163.4	97.1	57.0	334
368	$C_8H_{17}N$	ar-Methylcyclohexylmethylamine	...	99.0	79	334
369	$C_8H_{17}NO$	4-Ethyl-2,6-dimethylmorpholine	158.1	97.5	49	334
370	C_8H_{18}	Octane	125.7	89.6	25.5	334
371	$C_8H_{18}O$	2-Ethyl-1-hexanol	184.8	99.1	80	335
372	$C_8H_{18}O$	Iso-octyl alcohol (isomers)	186.5	99.8	82	334
373	$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1	Nonazeotrope		334
374	$C_8H_{18}O_2$	1-Butoxy-2-ethoxyethane	164.2	96.8	50	334
375	$C_8H_{18}O_2$	1,1-Diethoxybutane	146.3	94.2	34.5	334
376	$C_8H_{18}O_2$	5-Ethoxy-3-methylpentanol	211.7	99.9	97	334
377	$C_8H_{18}O_2$	2-Ethyl-3-methyl-1,5-pentanediol	265.5	Nonazeotrope		334
378	$C_8H_{18}O_2$	2-Hexyloxyethanol	208.1	99.7	91	334
379	$C_8H_{18}O_2$	2-(2-Methylpentyloxy) ethanol	197.1	99.6	86	334
380	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6	Nonazeotrope		334
381	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	188.4	99.4	69	334
382	$C_8H_{18}O_4$	1,2-Bis(2-methoxyethoxy)ethane	...	Nonazeotrope		9
383	$C_8H_{19}N$	Dibutylamine	159.6	97	50.5	334
384	$C_8H_{19}N$	2-Ethylhexylamine	169.1	98.2	64	334
385	$C_8H_{19}NO$	2-Diisopropylaminoethanol	190.9	99.2	85	334
386	$C_8H_{19}NO_2$	2,2'-Butyliminodiethanol	...	Nonazeotrope		334
387	$C_8H_{19}NO_2$	1,1'-Ethyliminodi-2-propanol	238.9	Nonazeotrope		334
388	$C_9H_8O_2$	Vinyl benzoate	...	99.3	82.6	334

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	Water (continued)	100				
389	$C_9H_{10}O_2$	1,2-Epoxy-3-phenoxypropane	244.4	99.8	96.1		334
390	$C_9H_{11}N$	5-Ethyl-2-vinylpyridine	...	99.4	85		334
391	C_9H_{12}	Cumene	152.4	95	43.8		334
392	$C_9H_{12}O_2$	Bicyclo[2.2.1]hept-5-ene-2-ol acetate	188.6	98.6	70		334
393	$C_9H_{13}NO$	5-Ethyl-2-pyridineethanol	...	Nonazeotrope			334
394	$C_9H_{14}O$	Isophorone	215.2	99.5	83.9		334
		" 25 p.s.i.g.	251	130	86.5		334
395	$C_9H_{15}O$	1-Methyl-2,5-endomethylenecyclohexane-1-methanol	211.1	99.7	90.6		334
396	$C_9H_{15}N$	Triallylamine	151.1	95	38		334
397	$C_9H_{16}O$	5-Ethyl-3-hepten-2-one	193.5	98.7	73.4		334
398	$C_9H_{16}O_4$	Dimethyl pimelate	248.9	99.9	96.8		334
399	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	97.0	51.9		334
400	$C_9H_{18}O_2$	2-Heptyl acetate	176.4	97.8	58.9		334
401	$C_9H_{18}O_2$	3-Heptyl acetate	173.8	97.5	57.6		334
402	$C_9H_{18}O_3$	3-(2-Ethylbutoxy)propionic acid	...	100	> 99		334
403	C_9H_{20}	Nonane	150.7	94.8	82		332
		"	150.8	95	39.8		334
404	$C_9H_{20}O$	2,6-Dimethyl-4-heptanol	178.1	98.5	70.4		335
405	$C_9H_{20}O_2$	2-Ethyl-2-butyl-1,3-propanediol	...	Nonazeotrope			334
406	$C_9H_{20}O_3$	1-(2-Butoxyethoxy)-2-propanol	230.3	99.9	95		334
407	$C_9H_{20}O_3$	2-Methoxymethyl-2,4-dimethyl-1,5-pentanediol	...	Nonazeotrope			334
408	$C_9H_{20}O_3$	1,1,3-Triethoxypropane	...	99	70		334
409	$C_9H_{21}N$	N-Methyldibutylamine	163.1	96.5	48.0		334
410	$C_9H_{21}N$	Tripropylamine	156	94.3	-		41
411	$C_9H_{21}NO_2$	1,1'-Isopropyliminodi-2-propanol	248.6	Nonazeotrope			334
412	$C_9H_{21}NO_4$	2-(2-[2-(3-Aminopropoxy)ethoxy]-ethoxy)ethanol	...	Nonazeotrope			334
413	$C_{10}H_{10}O_4$	Dimethyl phthalate	282.9	100	98.9		334
414	$C_{10}H_{12}O_3$	2-Phenoxyethyl acetate	260.6	99.9	97.4		334
415	$C_{10}H_{14}$	Dicyclopentadiene	172	98	67.7		334
416	$C_{10}H_{14}N_2$	Nicotine, 110 mm.	...	Nonazeotrope		v-l	106
		" 478 mm.	...	...	99.70	v-l	106
		" 572 mm.	...	...	99.02	v-l	106
		" 624 mm.	...	...	98.50	v-l	106
		" 760 mm.	...	99.85	97.48	v-l	106
417	$C_{10}H_{14}O_2$	Ethyl bicyclo[2.2.1]hept-5-ene-2-carboxylate	198	99.2	80		334
418	$C_{10}H_{14}O_3$	2-(2-Phenoxyethoxy)ethanol	297.9	Nonazeotrope			334
419	$C_{10}H_{15}N$	N-Butylaniline	240.4	99.8	94.4		334
420	$C_{10}H_{15}N$	N-Ethyl-α-methylbenzylamine	201.2	99.2	80		334
421	$C_{10}H_{15}N$	N,N, α-Trimethylbenzylamine	195.8	98.6	74.8		334

	B-Component			Azeotropic Data		
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A	Ref.
A =	H_2O	Water (continued)	100			
422	$C_{10}H_{15}NO$	2-(α-Methylbenzylamino)ethanol	...	Nonazeotrope		334
423	$C_{10}H_{16}O$	Dicyclopentenol	...	100	96.6	334
424	$C_{10}H_{16}O$	Trimethyltetrahydrobenzaldehyde	204.5	99.0	77.0	334
425	$C_{10}H_{16}O_4$	Diisopropyl maleate	228.7	99.9	93	334
426	$C_{10}H_{18}O_2$	Vinyl 2-ethylhexanoate	185.2	98.6	68	334
427	$C_{10}H_{18}O_2$	Vinyl octanoate (isomers)	...	99.1	74	334
428	$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether	177.7	97.8	59.1	334
429	$C_{10}H_{20}O_2$	2-Ethylbutyl butyrate	199.6	98.6	74.9	334
430	$C_{10}H_{20}O_2$	2-Ethylhexyl acetate	198.4	99.0	73.5	334
431	$C_{10}H_{20}O_2$	4-Methyl-2-pentyl butyrate	182.6	98.2	60.8	334
432	$C_{10}H_{20}O_3$	2-Butoxyethyl 2-vinyloxyethyl ether	226.7	99.8	90	334
433	$C_{10}H_{21}Cl$	Chlorodecane (isomers)	210.6	99.7	84	334
434	$C_{10}H_{21}N$	N-Butylcyclohexylamine	209.5	99.5	81	334
435	$C_{10}H_{22}O$	Decyl alcohol (isomers)	217.3	100	94.8	335
436	$C_{10}H_{22}O$	2-Ethyloctanol	220.5	99.9	94.0	334
437	$C_{10}H_{22}O$	2-Propylheptanol	217.9	99.8	92	334
438	$C_{10}H_{22}O_2$	1,2-Dibutoxyethane	203.6	99.1	76.8	334
439	$C_{10}H_{22}O_2$	1,1-Diisobutoxyethane	160.5	97.4	52.5	334
440	$C_{10}H_{22}O_3$	2-(2-Hexyloxyethoxy) ethanol	259.1	100	98.1	334
441	$C_{10}H_{22}O_4$	1,2-Bis(2-ethoxyethoxy)ethane	246.9	Nonazeotrope		334
442	$C_{10}H_{22}O_5$	Bis[2-(2-methoxyethoxy)ethyl] ether	...	Nonazeotrope		9, 334
443	$C_{10}H_{23}N$	Decylamine (isomers)	203.7	99.5	82	334
444	$C_{10}H_{23}N$	Diamylamine (isomers)	190	99.3	76	334
445	$C_{10}H_{23}N$	N,N-Dimethyl-2-ethylhexylamine	176.1	98.2	58	334
446	$C_{10}H_{23}NO$	2-Dibutylaminoethanol	228.7	99.9	91.0	334
447	$C_{11}H_{14}O_3$	Butyl salicylate	268.2	99.9	95.8	334
448	$C_{11}H_{14}O_3$	Ethyl 6-formylbicyclo [2.2.1]hept-5-en-2-carboxylate	...	100	97	334
449	$C_{11}H_{16}O_3$	Allyl 6-methyl-3,4-epoxycyclohexanecarboxylate	251.4	100	98.1	334
450	$C_{11}H_{18}O_2$	Isopropyl 6-methyl-3-cyclohexenecarboxylate	215.2	99.7	84	334
451	$C_{11}H_{20}O$	5-Ethyl-3-nonen-2-one	226.4	99.6	92	334
452	$C_{11}H_{20}O_4$	Diethyl pimelate	268.1	100	98.3	334
453	$C_{11}H_{22}O$	5-Ethyl-2-nonanone	222.9	99.6	87.1	334
454	$C_{11}H_{22}O_2$	2,6-Dimethyl-4-heptyl acetate	192.2	98.7	67.6	334
455	$C_{11}H_{22}O_3$	4-Methoxy-2,6-dipropyl-1,3-dioxane	223.6	99.6	88.1	334
456	$C_{11}H_{24}$	Undecane	194.5	98.85	96	332
457	$C_{11}H_{24}O$	5-Ethyl-2-nonanol	225.4	99.7	89.1	334
458	$C_{11}H_{24}O_2$	2,2-Dibutoxypropane	...	98.9	69.6	334
459	$C_{11}H_{24}O_2$	2,6-Dimethyl-4-heptyloxyethanol	225.5	99.9	91	334
460	$C_{11}H_{24}O_4$	1,1,3,3-Tetraethoxypropane	220.1	99.8	87.4	334

	B-Component			Azeotropic Data		
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A	Ref.
A =	H_2O	Water (continued)	100			
461	$C_{11}H_{25}NO$	1-Dibutylamino-2-propanol	229.1	99.8	88.4	334
462	$C_{12}H_{14}O_4$	Diethyl phthalate	294.3	99.9	98.4	334
463	$C_{12}H_{18}O$	Triisobutylene oxide	...	99.3	72	334
464	$C_{12}H_{19}N$	N-Butyl-α-methylbenzylamine	239.3	99.8	92	334
465	$C_{12}H_{20}O_2$	sec-Butyl-6-methyl-3-cyclohexenecarboxylate	...	100	92	334
466	$C_{12}H_{20}O_4$	Dibutyl fumarate	285.2	99.9	98.5	334
467	$C_{12}H_{20}O_4$	Dibutyl maleate	280.6	99.9	98.4	334
468	$C_{12}H_{22}O_2$	2-Ethylhexyl crotonate	241.2	99.9	93.4	334
469	$C_{12}H_{22}O_2$	Vinyl decanoate (isomers)	...	99.9	88	334
470	$C_{12}H_{22}O_4$	Diethyl 2-ethyl-3-methylglutarate	255.8	100	97.1	334
471	$C_{12}H_{23}N$	Dicyclohexylamine	255.8	Nonazeotrope		38
472	$C_{12}H_{24}O$	2,6,8-Trimethyl-4-nonanone	218.2	99	84	334
473	$C_{12}H_{24}O_2$	2-Ethylbutyl 2-ethylbutyrate	222.6	99.6	85.6	334
474	$C_{12}H_{24}O_2$	2-Ethylbutyl hexanoate	236.2	99.7	91.2	334
475	$C_{12}H_{24}O_2$	Hexyl 2-ethylbutyrate	230.3	99.7	88.8	334
476	$C_{12}H_{24}O_2$	Hexyl hexanoate	245.2	99.8	93.3	334
477	$C_{12}H_{26}$	Dodecane	214.5	99.45	98	332
478	$C_{12}H_{26}O$	2-Butyl-1-octanol	253.4	99.9	97.5	334
479	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5	99.6	89.7	335
480	$C_{12}H_{26}O_2$	1,1-Diethoxy-2-ethylhexane	207.8	99.3	78.6	334
481	$C_{12}H_{26}O_2$	1,1-Diisopentoxyethane	213.6	99.3	78.8	334
482	$C_{12}H_{26}O_2$	3-Ethoxy-4-ethyloctanol	249.2	100	98	334
483	$C_{12}H_{26}O_3$	Bis(2-butoxyethyl) ether	254.6	99.8	94.7	334
484	$C_{12}H_{26}O_3$	1,1,3-Triethoxyhexane	...	99.6	85	334
485	$C_{12}H_{27}N$	Dihexylamine	239.8	99.8	92.8	334
486	$C_{12}H_{27}N$	Tributylamine	213.9	99.8	82	334
487	$C_{12}H_{27}O_4P$	Tributyl phosphate	...	100	99.4	334
488	$C_{13}H_{24}O_2$	Decyl acrylate (isomers)	...	99.9	94.9	334
489	$C_{14}H_{22}O$	2-(Ethylhexyl)phenol	297.0	100	> 99	334
490	$C_{14}H_{23}N$	N-(Ethylhexyl)aniline	...	100	99.3	334
491	$C_{14}H_{24}$	1,3,6,8-Tetramethyl-1,6-cyclodecadiene	220.5	99.5	82.3	334
492	$C_{14}H_{26}O_4$	Dibutyl adipate	...	100	>99	334
493	$C_{14}H_{28}O$	Trimethylnonyl vinyl ether	223.4	99.6	84.3	334
494	$C_{14}H_{28}O_2$	2-Ethylbutyl 2-ethylhexanoate	261.5	99.9	95.8	334
495	$C_{14}H_{28}O_2$	2-Ethylhexyl 2-ethylbutyrate	252.8	99.9	94.8	334
496	$C_{14}H_{28}O_2$	2-Ethylhexyl hexanoate	267.2	99.9	96.4	334
497	$C_{14}H_{28}O_2$	Hexyl 2-ethylhexanoate	254.3	99.9	94.6	334
498	$C_{14}H_{29}N$	N-(2-Ethylhexyl)cyclohexylamine	...	100	99.7	334
499	$C_{14}H_{30}O$	7-Ethyl-2-methyl-4-undecanol	264.3	99.9	96.3	334
500	$C_{14}H_{30}O_2$	2-(2,6,8-Trimethyl-4-nonyloxy)ethanol	...	100	99.0	334
501	$C_{15}H_{28}O_4$	Dibutyl pimelate	...	100	> 99.5	334
502	$C_{15}H_{32}O$	2,8-Dimethyl-6-isobutyl-4-nonanol	265.4	99.9	97.2	334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	H_2O	**Water (continued)**	**100**				
	503 $C_{16}H_{18}O$	Bis(α-methylbenzyl) ether	286.7	100	98.7		334
	504 $C_{16}H_{28}O_4$	Bis(4-methyl-2-pentyl) maleate	...	100	99		334
	505 $C_{16}H_{30}O_2$	Tridecyl acrylate	...	100	98.8		334
	506 $C_{16}H_{31}N$	Bis(methylcyclohexyl-methyl)amine	...	100	99.45		334
	507 $C_{16}H_{32}O_2$	2-Ethylhexyl 2-ethylhexanoate	280.4	99.9	97.9		334
	508 $C_{16}H_{34}O$	Bis(2-ethylhexyl) ether	269.8	99.8	96.4		334
	509 $C_{16}H_{35}N$	Bis(2-ethylhexyl) amine	280.7	100	97.6		334
	510 $C_{17}H_{36}O$	3,9-Diethyl-6-tridecanol	309	100	>99		334
	511 $C_{18}H_{24}N_2$	Bis(α-methylbenzyl) ethylenediamine	...	100	>99.9		334
	512 $C_{18}H_{38}O_2$	1,1-Bis(2-ethylhexyloxy) ethane	...	99.0	.99.9		334
	513 $C_{18}H_{39}NO$	2-[Bis(2-ethylhexyl) amino]ethanol	...	100	>99.5		334
	514 $C_{20}H_{36}O_4$	Bis(2-ethylhexyl) fumarate	...	100	>99.9		334
	515 $C_{20}H_{36}O_4$	Bis(2-ethylhexyl) maleate	...	100	>99.9		334
	516 $C_{20}H_{40}O_3$	2-Ethylhexyl 3-(2-ethylhexyloxy) butyrate	...	100	>99.5		334
	517 $C_{20}H_{42}O$	Decyl ether (isomers)	...	100	99.6		334
	518 $C_{20}H_{42}O$	Eicosanol (isomers)	...	100	99.8		334
	519 $C_{20}H_{43}N$	Didecylamine (isomers)	...	100	99.6		334
	520 $C_{21}H_{38}O_3$	Allyl 9,10-epoxystearate	...	Nonazeotrope			334
	521 $C_{24}H_{52}O_4Si$	Tetra(2-ethylbutoxy) silane	...	100	99.9		334
	522 $C_{31}H_{58}O_6$	Tri(2-ethylhexyl) 1,2,4-butane-tricarboxylate	...	100	99.8		334
A =	H_2S	**Hydrogen Sulfide**	**-59.6**				
	523 C_2H_6	Ethane, 200 p.s.i.g.	...	-21.6	7.9	v-l	159
		" 300 p.s.i.g.	...	-6.5	11.6	v-l	159
		" 400 p.s.i.g.	...	5	14.5	v-l	159
		" 500 p.s.i.g.	...	15	17.1	v-l	159
		" 600 p.s.i.g.	...	23.5	19.6	v-l	159
	524 C_3H_8	Propane, 200 p.s.i.g.	...	7.8	75.2	v-l	161
		" 400 p.s.i.g.	...	37.1	82	v-l	161
		" 600 p.s.i.g.	...	56	83.7	v-l	161
		" 800 p.s.i.g.	...	72	87.2	v-l	161
		" 1000 p.s.i.g.	...	84.2	89.9	v-l	161
		" 1200 p.s.i.g.	...	95	92.7	v-l	161
A =	H_3N	**Ammonia**	**-33.4**				
	525 C_2H_7N	Ethylamine, 0°-30° C.	...	Nonazeotrope			334
	526 C_3H_4	Propadiene	-32	-45	44.3		127
	527 C_3H_5F	2-Fluoropropene	-24	-40.5	34		127
	528 C_4H_{10}	Butane, 300 p.s.i.g.	...	43	56.8	v-l	160
		" 500 p.s.i.g.	...	66	59.0	v-l	160
		" 700 p.s.i.g.	...	81	60.9	v-l	160
		" 900 p.s.i.g.	...	94	62.1	v-l	160
		" 1100 p.s.i.g.	...	104	63.4	v-l	160
	529 C_8H_{18}	Iso-octane, 200-1600 p.s.i.g.	...	...	...	v-l	162
		" >1400 p.s.i.g.		Min. b.p. 98-100%		v-l	162

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**He**	**Helium**	**-268.9**				
	530 CH_4	Methane, 5-170 atm.	...	Nonazeotrope		v-l	165
A =	**O_2S**	**Sulfur Dioxide**	**-10**				
	531 C_2H_6O	Methyl ether	-23.6	0	65		102
A =	**S**	**Sulfur**	**444.6**				
	532 Se	Selenium	688	Compound formation		v-l	6
A =	**CCl_2F_2**	**Dichlorodifluoromethane**	**-29.8**				
	533 $CHClF_2$	Chlorodifluoromethane	-40.8	-41.4	25		86
		" 4.93 atm.	0.04	0.00	2.1		261
		" 2059 mm.	...	Nonazeotrope			346
	534 CH_3Cl	Chloromethane, 5380 mm.	33.5	25.0	78		282
	535 $C_2H_4F_2$	1,1-Difluoroethane	...	-30.5	77.55		260
		"	...	0.00	73.80		260
		"	...	24.90	71.22		260
		"	...	40.08	69.31		260
		" 60 p.s.i.a.	...	4.44	76.2		281
		" 112 p.s.i.a.	...	25	74		281
	536 C_2H_6O	Methyl ether, 2340 mm.	6	0	90		282
	537 C_3F_6	Hexafluoropropene, 2059 mm.	-6.1	-7.1	46.3	v-l	346
	538 C_3HF_7	Heptafluoropropane, 2328 mm.	17	0.00	86.5		261
	539 C_4F_8	Perfluorocyclobutane, 2059 mm.	21	Nonazeotrope			346
A =	**CCl_3F**	**Trichlorofluoromethane**	**24.9**				
	540 C_2H_4O	Acetaldehyde	20.2	15.6	55		102
	541 $C_2H_4O_2$	Methyl formate	32	20	82		102
A =	**CCl_4**	**Carbon Tetrachloride**	**76.74**				
	542 CH_4O	Methanol	64.7			v-l	245
	543 C_2HCl_3	Trichloroethylene	86.2	Ideal system		v-l	184
	544 C_2H_3N	Acetonitrile, 371.2 mm.	...	45	84.5	v-l	22
	545 $C_2H_4Cl_2$	1,2-Dichloroethane	83.45	75.5	80		197
	546 $C_2H_4O_2$	Acetic acid, < 50 mm.	...	Nonazeotrope			132
		" 90 mm.	...	18.7	99.28		132
		" 340 mm.	...	51.5	99.42		132
		" 530 mm.	...	64.6	99		132
		" 760 mm.	118.1	76	98.46		132
		" 1080 mm.	...	90	97.7		132
		" 1400 mm.	...	...	97.0		132
	547 C_2H_6O	Ethyl alcohol	78.3	65	84	v-l	136
	548 C_3H_6O	Acetone, 513.2 mm.	...	45	9	v-l	23
		" 300 mm.	31.29	31.22	9.03	v-l	10
		" 450 mm.	41.56	41.47	11.80	v-l	10
		" 600 mm.	49.36	49.26	12.48	v-l	10
		" 760 mm.	56.08	55.98	12.6	v-l	10
	549 C_3H_6O	Allyl alcohol	97.1	72.3	88.5		334
	550 C_3H_8O	Propyl alcohol	97.2	72.8	88.5		334
	551 C_4H_8O	2-Butanone, 342 mm.	...	50.0	84.3	v-l	108
		"	79.6	73.7	81.6	v-l	108, 184
	552 $C_4H_8O_2$	Ethyl acetate	76.7	74.8	57		334
	553 $C_4H_{10}O$	n-Butyl alcohol	117.75	76.55	97.6	v-l	136
	554 $C_5H_4O_2$	2-Furaldehyde	162	Nonazeotrope		v-l	349
	555 C_6H_6	Benzene	80.1	Min. b.p.	98	v-l	245
		" 40° C.	...	Nonazeotrope		v-l	107
		" 760 mm.	80.1	Nonazeotrope		v-l	107
		" >1800 mm.	...	Min. b.p.	...		107
	556 C_7H_8	Toluene	110.7	Nonazeotrope		v-l	245, 309

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt. %A		Ref.
A =	**CS_2**	**Carbon Disulfide**	**46.2**				
	557 CH_3I	Iodomethane	42.55	41.2	18.6	v-l	116
	558 $C_2H_4Cl_2$	1,1-Dichloroethane	57.2	46	94		334
	559 C_3H_7Cl	1-Chloropropane	46.6	45.2	55		334
	560 $C_4H_8O_2$	Ethyl acetate	76.7	46.1	97		334
	561 $C_4H_{10}O$	Ethyl ether	34.6	34.4	1		334
A =	**$CHClF_2$**	**Chlorodifluoromethane**	**-40.8 (-17.1°/2059 mm.)**				
	562 C_2ClF_5	Chloropentafluoroethane	-38.5	-45.6	48.7		15
	563 $C_2H_2Cl_2F_2$	1,2-Dichloro-1,2-difluoroethane, 755 mm.	29.8	-41.4	87.6		96
	564 C_3F_6	Hexafluoropropene, 2059 mm.	-6.1	-17.3	69.7		346
	565 C_3F_8	Perfluoropropane, 6.064 atm.	12.5	0	46		261
	566 C_3H_8	Propane, 86.2 p.s.i.a.	...	0	68		280
		" 6.002 atm.	8.6	0	68.3		261
	567 C_4F_8	Perfluorocyclobutane, 2059 mm.	21.0	Nonazeotrope			346
A =	**$CHCl_2F$**	**Dichlorofluoromethane**	**7.63/723 mm.**				
	568 $C_2Cl_2F_4$	1,2-Dichloro-1,1,2,2-tetrafluoroethane, 723 mm.	2.22	0.00	25		261
A =	**$CHCl_3$**	**Chloroform**	**61.2**				
	569 CH_2O_2	Formic acid	100.75	...	...	v-l	56
	570 CH_4O	Methanol	64.7	...	...	v-l	31
		" 400 mm.	...	36.3	88.9	v-l	233
		" 500 mm.	...	41.6	88.4	v-l	233
		" 600 mm.	...	46.2	87.9	v-l	233
	571 C_2Cl_4	Tetrachloroethylene	121.1	Nonazeotrope		v-l	64
	572 C_2H_3N	Acetonitrile	81.6	Nonazeotrope			334
	573 $C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-l	56
	574 C_2H_6O	Ethyl alcohol, 20 p.s.i.g.	101.7	82	89		335
	575 C_3H_6O	Acetone, 101 mm.	...	15	74.3		286
		" 129 mm.	...	20	75.0		286
		" 202 mm.	...	30	76.1		286
		" 250 mm.	...	35	76.3		286
		" 308 mm.	...	40	76.7		286
		" 455 mm.	...	50	77.1		286
		" 546 mm.	...	55	77.3		286
	576 $C_3H_6O_2$	Methyl acetate	57.1	64.74	64.35	v-l	31, 195
	577 $C_3H_6O_2$	Ethyl formate	54.1	62.7	87		195, 252
	578 C_3H_7Br	2-Bromopropane	59.35	62.2	65		195, 252
	579 C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	183, 184
	C_4H_8O	2-Butanone	79.6	79.9	17		334
	580 $C_4H_8O_2$	Isopropyl formate	68.8	70	13		195
	581 $C_4H_{10}O$	Ethyl ether	34.5	Nonazeotrope		v-l	177
	582 $C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope		v-l	157
	583 $C_6H_{12}O_2$	Butyl acetate	126.2	Nonazeotrope		v-l	63
	584 $C_9H_{10}O_2$	Ethyl benzoate	213.3	Nonazeotrope			334
A =	**CH_2ClBr**	**Bromochloromethane**	**69**				
	585 CH_2Cl_2	Dichloromethane	40.7	Nonazeotrope			96
A =	**CH_2Cl_2**	**Dichloromethane**	**40.0**				
	586 C_6H_{14}	2,2-Dimethylbutane, 742 mm.	49.74	35.6	53 vol. %		235

	No.	Formula	B-Component Name	B.P., °C.	Azeotropic Data B.P., °C.	Wt.%A		Ref.
A =		CH_2O_2	**Formic Acid**	**100.75**				
	587	$C_2H_4O_2$	Acetic acid	178.1	Nonazeotrope		v-l	56
	588	C_3H_7NO	N,N-Dimethylformamide	153.0	153.2	1.2		295
			"	...	158.8	...		210
			" 100 mm.	90	98.5	...	v-l	210
			" 200 mm.	107.9	117.0	...	v-l	210
			" 760 mm.	153	158.8	...	v-l	210
	589	C_5H_5N	Pyridine	115.5	107.43	61.4	v-l	360
A =		CH_3Cl_3Si	**Trichloromethylsilane**	...				
	590	C_3H_9SiCl	Chlorotrimethylsilane	...	V.p. curves, non-azeotrope			179
A =		CH_3NO_2	**Nitromethane**	**101.2**				
	591	CH_4O	Methanol	64.51	64.33	12.2		55
	592	C_2H_3N	Acetonitrile, 60° C.	...	Nonazeotrope		v-l	22
	593	C_2H_6O	Ethyl alcohol	78.32	76.05	29.0		55
	594	C_3H_6O	Acetone, 45° C.	...	Nonazeotrope		v-l	22
	595	C_3H_8O	Isopropyl alcohol	82.40	79.33	27.6		55
	596	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope		v-l	135
			"	97.15	89.09	48.4		55
	597	$C_4H_{10}O$	Butyl alcohol	117.73	97.99	71.4		55
	598	$C_4H_{10}O$	sec-Butyl alcohol	99.53	91.14	45.8		55
	599	$C_4H_{10}O$	tert-Butyl alcohol	82.41	80.04	21.2		55
	600	$C_4H_{10}O$	Isobutyl alcohol	107.89	94.46	57.6		55
	601	C_6H_6	Benzene	80.1	...	12.7	v-l	343
	602	C_6H_{12}	Cyclohexane	80.75	69.5	26.5	v-l	343
A =		CH_4	**Methane**	...				
	603	C_2H_6	Ethane	...	Nonazeotrope		v-l	268
	604	C_3H_8	Propane	...	Nonazeotrope		v-l	268
A =		CH_4Cl_2Si	**Dichloromethylsilane**	...				
	605	C_3H_9ClSi	Chlorotrimethylsilane, 30°-40°	...	V.p. curve, non-azeotrope			302
A =		CH_4O	**Methanol**	**64.7**				
	606	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5	39.9	6		335
	607	$C_2H_2Cl_2$	cis-1,2-Dichloroethylene	60.3	51.5	15.1	v-l	5
	608	$C_2H_2Cl_2$	trans-1,2-Dichloroethylene	48.3	41.9	9.02	v-l	5
	609	$C_2H_4Cl_2$	1,2-Dichloroethane	83.5	59.5	35		335
	610	C_2H_4O	Acetaldehyde	20.2	Nonazeotrope		v-l	171
	611	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope		v-l	205, 285
	612	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		v-l	7, 68
	613	C_2H_6O	Methyl ether	-23.65	...	...	v-l	130
	614	C_3H_3N	Acrylonitrile, 175 mm.	37	29	47		335
	615	C_3H_6O	Acetone, 752 mm.	...	55.07	14.8	v-l	7, 130
			"	56.1	Nonazeotrope			192
			" 4.56 atm.	108	102	32		335
			" 7.82 atm.	132	124	46		335
			" 11.6 atm.	150	140	56		335
	616	$C_3H_6O_2$	Methyl acetate	57.1	53.9	17.7	v-l	31, 58
			" 4.4 atm.	107	99	29		335
			" 7.8 atm.	132	120	34.6		335
			" 11.2 atm.	149	135	40.4		335
	617	$C_3H_7NO_2$	1-Nitropropane	131.18	Nonazeotrope			55
	618	$C_3H_7NO_2$	2-Nitropropane	120.25	Nonazeotrope			55

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P.,°C.	B.P.,°C.	Wt.%A		Ref.
A =	CH_4O	**Methanol (continued)**	**64.7**				
	619 $C_3H_8O_2$	2-Methoxyethanol					
		752 mm.	...	Nonazeotrope		v-l	335
		" 800 mm.	...	Nonazeotrope		v-l	335
	620 $C_3H_9BO_3$	Trimethyl borate	68.0	54.0	27		115, 335
		" 60 p.s.i.g.	...	100	33		335
		" 30 p.s.i.g.	...	84	29		335
		" 200 mm.	...	25	22		335
	621 $C_4H_6O_2$	Vinyl acetate	72.7	58.8	36.6		335
		"	72.6	59.05	36.6		96
	622 C_4H_8O	2-Butanone	79.6	64.5	70	v-l	135
	623 C_4H_8O	Butyraldehyde	74.8	Nonazeotrope			37
	624 C_4H_8O	Tetrahydrofuran,					
		740 mm.	65	59.1	31.1	v-l	115
	625 $C_4H_8O_2$	Ethyl acetate, 40°-60°		% alcohol increases with pressure		v-l	228
		"	76.7	62.1	48.6		335
	626 $C_4H_8O_2$	Methyl propionate	79.7	62.0	50		84
	627 $C_4H_{10}O$	Butyl alcohol, crit. region	117.75	Nonazeotrope		v-l	75, 135
	628 $C_4H_{11}N$	Diethylamine, 740 mm.	54.7	66.2	40		335
	629 C_5H_8	Isoprene	34.3	29.57	5.2		324
	630 C_5H_8	3-Methyl-1,2-butadiene	40.8	34.7	8.5		324
	631 C_5H_8	cis-1,3-Pentadiene	44.0	38.1	16 vol. %		291
	632 C_5H_8	trans-1,3-Pentadiene	42.0	36.5	15 vol. %		291
		"	...	36.5	12.9	v-l	249
	633 C_5H_8O	1,3-Butadienyl methyl ether	90.7	62	57.5		335
	634 C_5H_{10}	3-Methyl-1-butene	21.2	17.9	4.28	v-l	249
	635 C_5H_{10}	2-Methyl-1-butene	32	27.4	8.1	v-l	249
	636 C_5H_{10}	2-Methyl-2-butene	37.7	33.1	11.2	v-l	249
	637 C_5H_{10}	1-Pentene	29.92	26.4	13 vol. %		291
		"	30.1	26.3	8.92	v-l	249
	638 C_5H_{10}	cis-2-Pentene	37.1	31.8	7 vol. %		291
	639 $C_5H_{10}O$	2-Pentanone	102.2	Nonazeotrope		v-l	135
	640 $C_5H_{10}O_2$	Isopropyl acetate	88.7	64.0	70.2		335
	641 C_5H_{12}	2-Methylbutane	27.6	24.62	4		324
		"	...	24.2	6.98	v-l	249
	642 C_5H_{12}	Pentane	36.15	30.85	7		324
	643 $C_5H_{12}O$	Amyl alcohol	137.8	Nonazeotrope		v-l	135
	644 $C_5H_{12}O_2$	2,2-Dimethoxypropane	80	61-62	45		201
	645 C_6H_6	Benzene	80.1	58	38	v-l	182, 275
		" 64.7 p.s.i.a.	108	102	49	v-l	275
		" 112.7 p.s.i.a.	128	123	54	v-l	275
		" 159.7 p.s.i.a.	141	138	58	v-l	275
		" 209.7 p.s.i.a.	152	148	62	v-l	275
		" 259.7 p.s.i.a.	161	159	65	v-l	275
	646 C_6H_8O	2,5-Dimethylfuran	93.3	61.5	51		335
	647 C_6H_{10}	1,3-Hexadiene	72.9	<58	~40		80
	648 C_6H_{10}	2,4-Hexadiene	82	~58	~40		80
	649 C_6H_{10}	3-Methyl-1,3-pentadiene	77	~58	~40		80
	650 C_6H_{12}	Cyclohexane, <760 mm.	...	27.5	34		317
		" <760 mm.	...	30	32.6		317
		" <760 mm.	...	38	31.6		317
		" <760 mm.	...	42	26.8		317
	651 C_6H_{12}	cis-3-Hexene	66.4	49.6	26 vol. %		291
	652 $C_6H_{12}O$	Butyl vinyl ether	94.2	62	52		335
	653 $C_6H_{12}O$	4-Methyl-2-pentanone	116.2	Nonazeotrope		v-l	135
	654 C_6H_{14}	2,2-Dimethylbutane	49.74	39.6	17 vol. %		291
	655 C_6H_{14}	2-Methylpentane	60.27	45.6	21 vol. %		291
	656 C_6H_{14}	3-Methylpentane	63.28	47.1	20 vol. %		291

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A = CH_4O		**Methanol (continued)**	**64.7**				
657	C_6H_{14}	Hexane	68.95	49.5	26.4		175
		"	68.95	50.57	28		324
658	$C_6H_{14}O$	Butyl ethyl ether	92.2	62.6	56		335
659	$C_6H_{14}O_2$	1,1-Dimethoxybutane	114	Nonazeotrope			334
660	$C_6H_{14}O_2$	2,2-Dimethoxybutane	106-7	64.5	81.5		201
661	C_7H_8	Toluene	110.7	63.6	70.8	v-l	202
662	C_7H_{14}	trans-1,3-Dimethyl-cyclopentane	90.77	57.3	45 vol. %		291
663	C_7H_{16}	Heptane	98.4	58.8	46.1		174
		" 406 mm.	...	43.83	-		366
664	C_7H_{16}	2-Methylhexane	90.05	57.1	44 vol. %		291
665	C_7H_{16}	3-Methylhexane	91.85	57.6	44 vol. %		291
666	C_7H_{16}	2,2,3-Trimethylbutane	80.88	54.1	38 vol. %		291
667	C_8H_{10}	p-Xylene	138.35	64.0	5		84
668	$C_8H_{14}O$	2-Ethyl-2-hexenal	176	Nonazeotrope			334
669	C_8H_{18}	Octane	125.75	62.75	67.5		174
		" 406 mm.	...	47.65	-		366
670	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope			334
671	C_9H_{20}	Nonane, 406 mm.	...	48.93	-		366
		"	150.7	64.1	83.4		174
672	$C_{10}H_{22}$	Decane, 406 mm.	...	Nonazeotrope			366
		"	171.8	Nonazeotrope		v-l	249
673	$C_{11}H_{24}$	Undecane, 406 mm.	...	Nonazeotrope			366
A = CH_4S		**Methanethiol**	**6.00**				
674	C_4H_8	2-Methylpropene, 95 p.s.i.a.	...	53	19.5		145
675	C_4H_{10}	2-Methylpropane	-11.70	-13.00	4.9		21
A = CH_5N		**Methylamine**	**-6**				
676	C_4H_6	Butadiene	...	...	58		20
		" 5 atm.	...	...	74		20
		" 20 atm.	...	...	96		20
677	C_4H_8	1-Butene	...	...	50		20
		" 5 atm.	...	...	64		20
		" 20 atm.	...	...	74		20
A = C_2ClF		**Chloropentafluoroethane**	**-38.5**				
678	$C_2H_4F_2$	1,1-Difluoroethane	-24.7	-41.3	83.8		198
A = $C_2Cl_2F_4$		**1,2-Dichlorotetrafluoroethane**	...				
679	C_4H_{10}	Butane	-0.5	-2.2	59		102
A = $C_2Cl_3F_3$		**1,1,2-Trichlorotrifluoroethane**	**47.5**				
680	$C_2Cl_4F_2$	1,1,2,2-Tetrachlorodifluoroethane	92.4	Nonazeotrope			96, 334
681	C_2H_6O	Ethyl alcohol	78.3	43.8	96.2		335
A = C_2Cl_4		**Tetrachloroethylene**	**121.1**				
682	$C_2H_3Cl_3$	1,1,2-Trichloroethane	113.65	112.9	26		197
683	C_3H_6O	Acetone	56.1	Nonazeotrope		v-l	64
684	C_3H_8O	Isopropyl alcohol	82.3	81.7	19		334
685	$C_4H_{10}O$	Butyl alcohol	117.7	110	68		334
A = C_2HCl_3		**Trichloroethylene**	**86.2**				
686	$C_2H_4Cl_2$	1,2-Dichloroethane	83.45	82.2	39		197
687	$C_2H_4O_2$	Acetic acid	117.9	Nonazeotrope			334
688	$C_3H_6Cl_2$	1,2-Dichloropropane	96.3	Nonazeotrope			334
689	C_4H_8O	2-Butanone	79.6	Nonazeotrope			184
690	$C_4H_8O_2$	Ethyl acetate, 700-760 mm.	...	Nonazeotrope		v-l	274

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**C_2H_2**	**Acetylene**	**-84**				
	691 C_2H_4	Ethylene	-103.7	...	18		293
		" Crit. press.	...	...	19		293
		" -35°, 0°, 40° F.	...	...	...	v-l	137
	692 C_2H_6	Ethane	-88.3	...	39		293
		" Crit. press	...	...	44		293
		" -35°, 0°, 40° F.	...	...	...	v-l	137
	693 C_3H_4	Propyne, -50° to 35° C.	...	Nonazeotrope		v-l	28
A =	**$C_2H_2Cl_2$**	**cis-1,2-Dichloroethylene**	**60.3**				
	694 C_2H_6O	Ethyl alcohol	78.3	Calculated		v-l	5
	695 C_3H_6O	Acetone	56.4	61.9	73	v-l	5
	696 $C_3H_6O_2$	Ethyl formate	54.0	Nonazeotrope		v-l	5
	697 $C_3H_6O_2$	Methyl acetate	57.2	61.7	73	v-l	5
	698 $C_3H_8O_2$	Methylal	42.6	Nonazeotrope		v-l	103
	699 C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	5
	700 C_4H_8O	Tetrahydrofuran	66.1	69.8	44.5	v-l	103
	701 $C_6H_{14}O$	Isopropyl ether	68.0	Nonazeotrope		v-l	103
A =	**$C_2H_2Cl_2$**	**trans-1,2-Dichloroethylene**	**48.35**				
	702 C_2H_6O	Ethyl alcohol	78.3	Calculated		v-l	5
	703 C_3H_6O	Acetone	56.4	Nonazeotrope		v-l	5
	704 $C_3H_6O_2$	Ethyl formate	54.0	Nonazeotrope		v-l	5
	705 $C_3H_6O_2$	Methyl acetate	57.2	Nonazeotrope		v-l	5
	706 $C_3H_8O_2$	Methylal	42.6	48.6	79.3	v-l	103
	707 C_4H_8O	2-Butanone	79.6	Nonazeotrope		v-l	5
	708 C_4H_8O	Tetrahydrofuran	66.1	Nonazeotrope		v-l	103
	709 $C_6H_{14}O$	Isopropyl ether	68.0	Nonazeotrope		v-l	103
A =	**C_2H_3Cl**	**Vinyl Chloride**	**13.4**				
	710 $C_2H_4Cl_2$	1,2-Dichloroethane	83.5	Nonazeotrope			334
	711 C_3H_6O	Acetone	56.1	Nonazeotrope			334
A =	**$C_2H_3Cl_3$**	**1,1,1-Trichloroethane**	**74.1**				
	712 $C_2H_3Cl_3$	1,1,2-Trichloroethane	113.9	Nonazeotrope			96
	713 $C_2H_4Cl_2$	1,1-Dichloroethane	57.4	Nonazeotrope			96
A =	**$C_2H_3F_3O$**	**2,2,2-Trifluoroethanol**	**...**				
	714 C_2H_6O	Ethyl alcohol	78.3	81.75	57.65		226
A =	**C_2H_3N**	**Acetonitrile**	**81.55**				
	715 $C_2H_4Cl_2$	1,2-Dichloroethane	83.15	~79.1	49	v-l	267
	716 C_3H_3N	Acrylonitrile	77.1	Nonazeotrope			334
	717 C_3H_6O	Acetone, 45° C.	...	Nonazeotrope		v-l	25
	718 C_3H_7NO	N, N-Dimethylformamide	153	Nonazeotrope			334
		" 100-500 mm.	...	Nonazeotrope			334
	719 C_5H_{12}	Pentane, 24 p.s.i.g.	65	58	13		334
	720 C_6H_6	Benzene, 278 mm.	...	45	30.7	v-l	22
	721 C_6H_7N	2-Picoline	134	Nonazeotrope		v-l	247
	722 C_7H_{16}	Heptane	98.4	69.55	...		368
	723 C_8H_{18}	Octane	125.75	76.7	...		368
	724 C_9H_{20}	Nonane	150.7	79.82	...		368
	725 $C_{10}H_{22}$	Decane	173.3	81.45	...		368
	726 $C_{11}H_{24}$	Undecane	195.4	Nonazeotrope			368
A =	**C_2H_4**	**Ethylene**	**-103.7**				
	727 C_2H_6	Ethane, -35°, 0°, 40° F.	-88.3	...	...	v-l	137
		" 0°, -40°, -100° F.	...	Nonazeotrope		v-l	129
A =	**$C_2H_4Br_2$**	**1,2-Dibromoethane**	**131.5**				
	728 C_8H_{10}	m-Xylene	139	Nonazeotrope			113
	729 C_8H_{10}	p-Xylene	138.4	131.0	94		113

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**$C_2H_4Cl_2$**	**1,2-Dichloroethane**	**83.65**				
730	$C_3H_6Cl_2$	1,2-Dichloropropane	96.3	Nonazeotrope			334
731	C_3H_8O	Isopropyl alcohol	82.3	72.7	60.8		334
732	$C_4H_8Cl_2O$	Bis(2-chloroethyl)ether	179.2	Nonazeotrope			334
733	C_6H_6	Benzene	80.1	80.1	15 vol. %		235
734	C_6H_{12}	Cyclohexane	80.75	74.7	38 vol. %		235
735	C_7H_{16}	2,4-Dimethylpentane	80.8	73.7	35 vol. %		235
A =	**C_2H_4O**	**Acetaldehyde**	**20.2**				
736	C_2H_5Cl	Chloroethane	12.3	11	9.5		96
737	C_3H_6O	Propylene oxide, 35 p.s.i.g.	73	Nonazeotrope			334
738	$C_4H_6O_2$	Vinyl acetate	72.5	Nonazeotrope			96
739	C_4H_8O	Ethyl vinyl ether	35.5	Nonazeotrope			334
740	C_4H_{10}	Butane	-0.5	-7	16		334
741	$C_4H_{10}O$	Ethyl ether	34.5	18.9	76.5		243
742	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
A =	**C_2H_4O**	**Ethylene Oxide**	**10.5**				
743	C_4H_{10}	Butane	-0.5	-6.5	22		334
A =	**$C_2H_4O_2$**	**Acetic Acid**	**118.1**				
744	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope		v-l	205, 285
745	$C_3H_6O_2$	Propionic acid	140.7	Ideal system		v-l	48
746	C_3H_8O	Propyl alcohol	97.25	Nonazeotrope		v-l	205, 285
747	$C_4H_6O_3$	Acetic anhydride	139.9	Nonazeotrope			334
748	$C_4H_8O_2$	p-Dioxane	...	119.4	79.5		180
749	$C_4H_8O_2$	Ethyl acetate	76.7	Nonazeotrope			334
750	C_4H_9NO	N,N-Dimethyl-acetamide	165	170.8	21.1		295
751	$C_4H_{10}O$	Butyl alcohol	117.1	120.3	43	v-l	205, 285
752	C_5H_5N	Pyridine	115.5	138.1	51.1		373
		" Crit. press.	345	348	20.2		323
753	$C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			334
754	C_5H_{12}	Pentane	36.15	Nonazeotrope			187
755	C_6H_7N	2-Picoline	134	144.12	40.4		369
756	C_6H_{14}	Hexane	68.7	Nonazeotrope			334
		"	68.60	68.25	6.0		187, 189
757	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
758	C_7H_9	2,6-Lutidine	143.41	147.28	24	v-l	358
		"	144	148.1	22.9		364
		"	...	162.3	19.5		370
759	C_7H_{16}	Heptane	98.25	91.72	33		187, 189, 355, 373
760	C_8H_{10}	o-Xylene	143.6	116.6	78		372
761	C_8H_{18}	Octane	125.75	105.7	53.7	v-l	189, 355, 359
762	C_9H_{12}	Cumene	152.8	116	84		76
763	C_9H_{20}	Nonane	150.2	112.8	69		187, 189, 355
		"	150.2	113.25	69.6		324
764	$C_{10}H_{16}$	Camphene, 100 mm.	...	60.6	90	v-l	294
765	$C_{10}H_{22}$	Decane	173.3	116.75	79.5		187, 189, 355
		"	173.3	117.2	79		324
		"	...	116.10	87	v-l	358
766	$C_{11}H_{24}$	Undecane	194.5	117.72	95		187, 189, 355
		"	194.5	117.17	78		324
767	$C_{12}H_{20}O_2$	Isobornyl acetate	225.8	Ideal system		v-l	294
768	$C_{12}H_{26}$	Dodecane	216	Nonazeotrope			187
A =	**C_2H_5Cl**	**Chloroethane**	**12.4**				
769	C_4H_{10}	n-Butane	-0.5	...	15.6		255
		" 738.6 mm.	-0.5	-1.4	20.2	v-l	263

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.% A		Ref.
A =	C_2H_5ClO	**2-Chloroethanol**	**128.7**				
	770 C_4H_7ClO	2-Chloroethyl vinyl ether, 120 mm.	...	55.62	14		341
	771 $C_4H_8Cl_2O$	Bis(2-chloroethyl)ether, 50 mm.	96	Nonazeotrope			334
		"	179.2	Nonazeotrope			334
	772 $C_4H_8O_2$	p-Dioxane	101.3	Nonazeotrope			334
A =	C_2H_5NO	**Acetamide**	**222**				
	773 $C_{11}H_{10}$	2-Methylnaphthalene	241.1	...	55		98
A =	$C_2H_5NO_2$	**Nitroethane**	**114.07**				
	774 C_2H_6O	Ethyl alcohol	78.32	78.03	12.6		55
	775 C_3H_8O	Isopropyl alcohol	82.40	81.82	10.6		55
	776 C_3H_8O	Propyl alcohol	97.15	94.49	31.8		55
	777 $C_4H_{10}C$	Butyl alcohol	117.75	107.94	58.6		55
	778 $C_4H_{10}O$	sec-Butyl alcohol	99.53	97.16	27.6		55
	779 $C_4H_{10}O$	tert-Butyl alcohol	82.41	82.22	4.5		55
	780 $C_4H_{10}O$	Isobutyl alcohol	107.89	102.68	40.8		55
A =	C_2H_6	**Ethane**					
	781 C_7F_{16}	Perfluoroheptane, crit. region		Nonazeotrope		v-l	155
A =	C_2H_6O	**Ethyl Alcohol**	**78.3**				
	782 C_3H_6O	Acetone	56.4	Nonazeotrope		v-l	7, 134
	783 $C_3H_7NO_2$	1-Nitropropane	131.18	Nonazeotrope			55
	784 $C_3H_7NO_2$	2-Nitropropane	120.25	78.28	93.6		55
	785 C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	116
	786 C_4H_8O	2-Butanone	79.6	74.0	39	v-l	134
		"	79.6	74.8	34		334
	787 C_4H_8O	Butyraldehyde	75.7	70.7	60.6		335
	788 C_4H_8O	Ethyl vinyl ether	35.5	Nonazeotrope			334
	789 $C_4H_8O_2$	p-Dioxane, 200 mm.	...	46.4	68	v-l	124
		" 400 mm.	...	62.4	82		124
		" 600 mm.	...	72.19	88		124
		" 760 mm.	...	78.25	>98		124
	790 $C_4H_8O_2$	Ethyl acetate, 40°-60° C.		% Alc. increases with press.		v-l	228
		" 77.4 mm.	...	...	15.95		117
		" 760 mm.	...	...	30.97		117
		"	77.05	72.18	25.8		228
	791 $C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		v-l	134
	792 $C_4H_{10}O$	sec-Butyl alcohol	99.4	Nonazeotrope		v-l	134
	793 $C_4H_{10}O_2$	2-Ethoxyethanol	134	Nonazeotrope		v-l	335
	794 $C_4H_{11}N$	Butylamine	77.8	82.2	49		335
	795 $C_4H_{11}N$	Diethylamine	55.5	Nonazeotrope			334
	796 $C_5H_8O_2$	Ethyl acrylate, 100 mm.	44.9	32	54.4		335
	797 C_5H_{10}	2-Methyl-1-butene	31.10	30.1	22 vol. %		291
	798 $C_5H_{10}O$	Isopropyl vinyl ether, 737 mm.	54.8	52.6	...		334
	799 $C_5H_{10}O$	2-Pentanone	102.35	78	93.3	v-l	134
	800 $C_5H_{10}O$	Propyl vinyl ether	65.1	60	18.4		334
	801 $C_5H_{12}O$	Amyl alcohol	137.8	Nonazeotrope		v-l	134
	802 $C_5H_{12}O$	Butyl methyl ether	70.3	65.5	20		334
	803 $C_5H_{12}O_2$	2,2-Dimethoxypropane	80	Min. b.p.			201
	804 C_6H_6	Benzene, 310 mm.	...	45	26.2	v-l	22
		" 180 mm.	...	32.5	23.2	v-l	240
		" 400 mm.	...	51.2	28.1	v-l	240
		" 168.4 mm.	...	29.97	21.33	v-l	328
		" 233.5 mm.	...	38.37	23.72		328
		" 336.4 mm.	...	47.15	26.32		328
		" 584 mm.	...	61.06	30.35		328
		" 209 mm.	...	35.0	24.3		256
		" 760 mm.	80.1	67.9	31.7	v-l	191, 344

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_2H_6O	**Ethyl Alcohol (continued)**	**78.3**				
804	C_6H_6	Benzene (continued)					
		" 5570 mm.	...	132.9	56		256
		" 11,720 mm.	...	166.9	69.5		256
		" 19,160 mm.	...	191.1	81		256
805	C_6H_7N	Aniline	184.35	...	...	v-l	138
806	C_6H_{10}	1,3-Hexadiene	72.9	Min. b.p.	...		80
807	C_6H_{10}	2,4-Hexadiene	82	Min. b.p.			80
808	C_6H_{10}	3-Methylcyclopentene	64.9	57.2	20 vol. %		291
809	C_6H_{10}	3-Methyl-1,3-pentadiene	77	Min. b.p.	...		80
810	C_6H_{12}	Cyclohexane, 296 mm.	...	41.2	25.5		316
		" 420 mm.	...	49.3	27.3		316
		" 643 mm.	...	60.8	29.8		316
		" 760 mm.	...	64.8	31.3		316
		" 760 mm.	80.8	64.9	40		147
811	C_6H_{12}	2-Ethyl-1-butene	64.95	57.0	23 vol. %		291
812	C_6H_{12}	1-Hexene	63.49	56.1	22 vol. %		291
813	C_6H_{12}	cis-2-Hexene	68.8	59.5	22 vol. %		291
814	C_6H_{12}	cis-3-Hexene	66.4	49.6	26 vol. %		291
815	C_6H_{12}	Methylcyclopentane	72.0	60.05	22.7	v-l	304
816	C_6H_{12}	cis-3-Methyl-2-pentene	70.52	60.4	24 vol. %		291
817	C_6H_{12}	trans-3-Methyl-2-pentene	67.6	58.8	20 vol. %		291
818	C_6H_{12}	trans-4-Methyl-2-pentene	58.4	52.6	15 vol. %		291
819	$C_6H_{12}O$	Butyl vinyl ether	94.2	73	48		335
820	$C_6H_{12}O$	Isobutyl vinyl ether	83.4	69.2	33		335
821	$C_6H_{12}O_3$	Paraldehyde	124.5	Nonazeotrope			334
822	C_6H_{14}	Hexane	68.95	58	20.8	v-l	304
		" 1545 mm.	...	...	26.3 vol. %		251
823	C_6H_{14}	2-Methylpentane	60.27	53.1	12 vol. %		291
824	$C_6H_{14}O$	Ethyl butyl ether	92.2	73.8	49.3		335
825	$C_6H_{14}O$	Isopropyl ether	68.3	64	17.1		335
826	$C_6H_{14}O_2$	1,2-Diethoxyethane	121.1	Nonazeotrope			334
827	$C_6H_{15}N$	Triethylamine	89.7	76.9	51		335
828	C_7H_8	Toluene	110.7	76.5	66.7	v-l	138, 191
		" 327 mm.	...	...	76.2		117
		" 800 mm.	...	...	81.6		117
829	C_7H_{12}	1,3-Heptadiene	...	Min. b.p.	...		80
830	C_7H_{12}	2,4-Heptadiene	...	Min. b.p.	...		80
831	C_7H_{14}	1,1-Dimethylcyclopentane	87.85	68.0	37 vol. %		291
832	C_7H_{14}	cis-1,2-Dimethylcyclopentane	99.53	72.1	46 vol. %		291
833	C_7H_{14}	trans-1,2-Dimethylcyclopentane	91.87	69.6	39 vol. %		291
834	C_7H_{14}	cis-1,3-Dimethylcyclopentane	91.73	69.5	38 vol. %		291
835	C_7H_{14}	trans-1,3-Dimethylcyclopentane	90.77	69.1	37 vol. %		291
836	C_7H_{14}	2,3-Dimethyl-1-pentene	84.2	67.1	35 vol. %		291
837	C_7H_{14}	Ethylcyclopentane	103.47	73.1	48 vol. %		291
838	C_7H_{14}	1,1,2,2-Tetramethylcyclopropane	75.9	62.6	30 vol. %		291
839	C_7H_{16}	2,2-Dimethylpentane	79.20	63.9	25 vol. %		291
840	C_7H_{16}	2,3-Dimethylpentane	89.78	68.6	34 vol. %		291
841	C_7H_{16}	2,4-Dimethylpentane	80.50	64.6	29 vol. %		291
842	C_7H_{16}	3,3-Dimethylpentane	86.07	67.1	38 vol. %		291
843	C_7H_{16}	3-Ethylpentane	93.47	70	38 vol. %		291
844	C_7H_{16}	Heptane	98.4	72	48	v-l	138, 239, 335
		" 180 mm.	...	37.5	43	v-l	158

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_2H_6O	**Ethyl Alcohol (continued)**	**78.3**				
	844 C_7H_{16}	Heptane (continued)					
		" 400 mm.	...	54.5	43	v-l	158
		" 750 mm.	...	71.0	45	v-l	158
	845 C_7H_{16}	2-Methylhexane	90.05	68.7	36 vol. %		291
	846 C_7H_{16}	3-Methylhexane	91.85	69.3	36 vol. %		291
	847 C_8H_{16}	1,1-Dimethylcyclohexane	119.54	76.2	65 vol. %		291
	848 C_8H_{16}	cis-1,4-Dimethylcyclohexane	124.32	76.9	70 vol. %		291
	849 C_8H_{16}	trans-1,3-Dimethylcyclohexane	124.45	76.9	70 vol. %		291
	850 C_8H_{16}	trans-1,4-Dimethylcyclohexane	119.35	76.2	64 vol. %		291
	851 C_8H_{16}	1-Ethyl-1-methylcyclopentane	121.52	76.5	66 vol. %		291
	852 C_8H_{16}	1,cis-2,trans-3-Trimethylcyclopentane	117.5	75.9	62 vol. %		291
	853 C_8H_{16}	1,trans-2,cis-4-Trimethylcyclopentane	109.29	74.3	52 vol. %		291
	854 C_8H_{16}	2,4,4-Trimethyl-2-pentene	104.91	73.9	50 vol. %		291
	855 C_8H_{18}	2,2-Dimethylhexane	106.84	73.6	46 vol. %		291
	856 C_8H_{18}	2,3-Dimethylhexane	115.61	75.5	57 vol. %		291
	857 C_8H_{18}	3,4-Dimethylhexane	117.73	75.8	60 vol. %		291
	858 C_8H_{18}	2-Methylheptane	117.65	75.8	59 vol. %		291
	859 C_8H_{18}	3-Methylheptane	118.93	76.0	61 vol. %		291
	860 C_8H_{18}	4-Methylheptane	117.71	75.8	61 vol. %		291
	861 C_8H_{18}	2,2,3-Trimethylpentane	109.84	74.3	53 vol. %		291
	862 C_8H_{18}	2,2,4-Trimethylpentane	99.24	71.8	40 vol. %		291
	863 C_8H_{18}	2,3,3-Trimethylpentane	114.76	75.3	56 vol. %		291
	864 C_8H_{18}	2,3,4-Trimethylpentane	113.47	75.1	57 vol. %		291
	865 $C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope			334
	866 $C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1	Nonazeotrope			334
A =	C_2H_6OS	**Dimethylsulfoxide**	...				
	867 C_6H_6	Benzene, 25°-70°	...	V.p. curve			164
A =	$C_2H_6O_2$	**Ethylene Glycol**	**197.4**				
	868 $C_3H_4O_3$	Ethylene carbonate,					
		10 mm.	...	88	13.9		262
		" 25 mm.	...	107	7.5		262
		" 50 mm.	...	122	2.6		262
		" 72 mm.	...	163	0		262
	869 $C_4H_8Cl_2O$	Bis(2-chloroethyl) ether, 50 mm.	96	92.7	...		335
		"	178.6	164	17.8		60
	870 $C_4H_8O_2$	2-Vinyloxyethanol	143	...	13		94
	871 $C_4H_8O_3$	Ethylene glycol monoacetate	...	Nonazeotrope			147
		" 150 mm.	...	Nonazeotrope			147
	872 $C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	194	...	30		284, 335
		" 50 mm.	115	114	4		335
		" 200 mm.	151	149	12		335
	873 C_6H_7N	Aniline, 37.1 mm.	...	95	8.75	v-l	59
		" 104.7 mm.	...	120	12.7	v-l	59
		" 257.9 mm.	...	145	16.8	v-l	59

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_2H_6O_2$	**Ethylene Glycol (continued)**	**197.4**				
	874 $C_6H_{14}O$	Hexyl alcohol	157.1	Nonazeotrope			334
	875 $C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	192	45.5	284,	335
		" 100 mm.	137.3	134	33		335
		" 36 mm.	...	108.5	26.6		243
	876 C_7H_8	Toluene	110.6	110.1	2.3		335
	877 C_7H_8O	Benzyl alcohol	205.2	193.1	56		60
	878 C_7H_8O	o-Cresol	191	189.52	26		188
	879 C_7H_9N	N-Methylaniline, 31.8 mm.	...	95	22.9	v-l	59
		" 95.3 mm.	...	120	26.6	v-l	59
		" 244 mm.	...	145	30.0	v-l	59
	880 C_8H_{10}	o-Xylene	144.4	135.7	6.9		335
	881 $C_8H_{11}N$	N,N-Dimethylaniline, 39.3 mm.	...	95	17.6	v-l	59
		" 115 mm.	...	120	21.8	v-l	59
		" 293 mm.	...	145	26.5	v-l	59
	882 $C_8H_{11}N$	s-Collidine	171.3	170.5	9.7		188
	883 $C_8H_{18}O$	Butyl ether	142.1	139.5	6.4	334,	335
	884 $C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6	Min. b.p.			284
	885 $C_8H_{19}NO$	2-Diisopropylamino-ethanol, 10 mm.	79	74	10		335
		" 50 mm.	111	104	15		335
		" 100 mm.	127	121	18		335
	886 $C_9H_{14}O$	Phorone	197.8	184.5	42		59
	887 $C_{10}H_8$	Naphthalene	217.9	183.6	46		147
	888 $C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether	...	Min. b.p.			329
	889 $C_{10}H_{22}O_4$	Tripropylene glycol methyl ether	243	192	82	v-l	76
		"	...	138.5	77.2		76
		"	...	111.5	75.1		76
	890 $C_{12}H_{10}O$	Phenyl ether, 50 mm.	161.0	120.4	62.3		335
		"	259.3	192.3	64.5		59
	891 $C_{12}H_{26}O$	Hexyl ether, 50 mm.	137.0	112.8	35.6		335
	892 $C_{14}H_{10}$	Anthracene	340	197	98.3		305
	893 $C_{16}H_{34}O$	2-Ethylhexyl ether, 10 mm.	135	87	...		335
A =	C_2H_6S	**Methyl Sulfide**	**37.32**				
	894 C_5H_{10}	Cyclopentane	49.35	37.09	87.5		70
	895 C_5H_{10}	2-Methyl-2-butene	38.60	34.83	53.6		70
	896 C_5H_{10}	2-Methyl-1-butene	31.25	30.64	17.0		70
	897 C_5H_{12}	2-Methylbutane	27.90	26.62	25.0		70
	898 C_5H_{12}	Pentane	36.15	31.80	46.6		70
	899 C_6H_{14}	2,2-Dimethylbutane	49.70	36.50	79.8		70
A =	$C_2H_6S_2$	**Methyl Disulfide**	**109.44**				
	900 C_5H_6S	2-Methylthiophene	111.92	Nonazeotrope			70
	901 $C_5H_{12}S$	Ethyl isopropyl sulfide	107.22	106.37	...		70
	902 C_7H_8	Toluene	110.85	108.93	...		70
	903 C_7H_{14}	Methylcyclohexane	101.05	98.92	28.6		70
	904 C_7H_{16}	Heptane	98.40	96.44	26.3		70
	905 C_8H_{16}	trans-1,3-Dimethyl-cyclohexane	120.30	107.22	73.3		70
	906 C_8H_{18}	2,3-Dimethylhexane	109.15	102.84	48.2		70
	907 C_8H_{18}	2-Methylheptane	117.70	106.22	69.5		70
A =	C_2H_7N	**Dimethylamine**	**7.4**				
	908 $C_4H_{11}NO$	2-(Dimethylamino) ethanol	134.6	Nonazeotrope			334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_2H_7N	**Ethylamine**	**16.6**				
909	$C_4H_{11}N$	Diethylamine	55.5	Nonazeotrope			334
910	$C_4H_{11}NO_2$	2,2'-Iminodiethanol	...	Nonazeotrope			334
A =	C_2H_7NO	**2-Aminoethanol**	**171.0**				
911	C_3H_6O	Acetone	56.1	Nonazeotrope			334
912	$C_4H_{11}NO_2$	2,2'-Iminodiethanol, 10 mm.	150	Nonazeotrope			334
A =	$C_2H_8N_2$	**Ethylenediamine**	**116.9**				
913	$C_4H_8O_2$	p-Dioxane	101.3	Nonazeotrope			334
914	$C_4H_{10}O$	Butyl alcohol	117.7	124.7	35.7		335
915	$C_4H_{10}O$	Isobutyl alcohol	107.9	120.5	50		335
916	C_6H_6	Benzene	80.1	Nonazeotrope			334
917	C_7H_8	Toluene	110.7	104	30.8		76
		"	...	103	30		334
A =	$C_3HF_5O_2$	**Pentafluoropropionic Acid**	...				
918	C_6F_{14}	Perfluorohexane, 25° C.	...	Nonazeotrope		v-l	237
A =	$C_3H_2ClF_3O_2$	**3-Chloro-2,2,3-trifluoropropionic Acid**	...				
919	C_3H_7NO	N,N,-Dimethylformamide, 20 mm.	...	115-120	...		93
A =	$C_3H_2F_4O_2$	**2,2,3,3-Tetrafluoropropionic Acid**	...				
920	C_3H_7NO	N,N-Dimethylformamide, 20 mm.	...	40	67		93
A =	$C_3H_3ClF_3NO$	**3-Chloro-2,2,3-trifluoropropionamide**	...				
921	C_3H_7NO	N,N-Dimethylformamide, 20 mm.	...	101-106	...		93
A =	$C_3H_3F_4NO$	**2,2,3,3-Tetrafluoropropionamide**	...				
922	C_3H_7NO	N,N-Dimethylformamide, 20 mm.	...	91-4	66		93
		"	153	187	...		93
A =	C_3H_3N	**Acrylonitrile**	**77.2**				
923	C_3H_5N	Propionitrile	97.4	Nonazeotrope			334
A =	C_3H_4	**Propadiene**	**-32**				
924	C_3H_4	Propyne	-23.2	Nonazeotrope			334
925	C_3H_6	Propene	-47.7	Nonazeotrope			334
926	C_3H_8	Propane	-42.1	-42	11.6 vol. %		334
927	C_4H_6	1,3-Butadiene	-4.5	Nonazeotrope			334
A =	C_3H_4	**Propyne**	**-23.2**				
928	C_3H_6	Propene	-47.7	Nonazeotrope			334
929	C_3H_8	Propane	-42.1	-42	11.7 vol. %		334
930	C_4H_6	1,3-Butadiene	-4.5	Nonazeotrope			334
A =	$C_3H_4Cl_4$	**Tetrachloropropane**	...				
931	$C_5H_8Cl_4$	Tetrachloropentane, 12-150 mm.	...	Nonazeotrope		v-l	250
A =	C_3H_4O	**2-Propyn-1-ol**	**115**				
932	C_6H_6	Benzene	80.1	78	9		95
A =	$C_3H_4O_2$	**Acrylic Acid**	**141.2**				
933	$C_5H_8O_2$	Ethyl acrylate	99.3	Nonazeotrope			334

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**C_3H_5Cl**	**3-Chloropropene**	**45.15**				
	934 C_3H_7Cl	2-Chloropropane	34.9	Nonazeotrope		v-l	83
A =	**C_3H_5ClO**	**2-Chloro-2-propen-1-ol**	...				
	935 C_5H_7ClO	2-Chloroallyl vinyl ether	...	...	10		341
A =	**C_3H_5ClO**	**Epichlorohydrin**	**116.45**				
	936 $C_3H_5Cl_3$	1,2,3-Trichloropropane	156.85	Nonazeotrope		v-l	337
A =	**C_3H_6**	**Propene**	**-48**				
	937 C_3H_8	Propane, 10°--190° F.	...	Nonazeotrope		v-l	128
A =	**$C_3H_6Cl_2$**	**1,2-Dichloropropane**	**96.3**				
	938 C_3H_6O	Propylene oxide, 20 p.s.i.g.	60	Nonazeotrope			334
	939 $C_3H_8O_2$	1,2-Propanediol	187.3	Nonazeotrope			334
A =	**C_3H_6O**	**Acetone**	**56.5**				
	940 C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	45, 46
	941 $C_4H_4O_2$	Diketene	...	Nonazeotrope			334
	942 $C_4H_6O_2$	Vinyl acetate	72.7	Nonazeotrope			334
	943 C_4H_7Cl	1-Chloro-2-methyl-propene	68	55.6	81		241
	944 C_4H_8O	2-Butanone, 15-500 p.s.i.a.	...	Nonazeotrope		v-l	254, 334
	945 $C_5H_8O_2$	Isopropenyl acetate	96.5	Nonazeotrope			147
	946 C_5H_{10}	1-Pentene	29.97	28.9	19 vol. %		291
	947 $C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			334
	948 C_5H_{12}	Pentane	36.15	32.5	20		131
		" <100 mm.	...	Nonazeotrope			131
	949 C_6H_6	Benzene, 45° C.	...	Nonazeotrope		v-l	23
		"	80.1	Nonazeotrope		v-l	36
	950 C_6H_{12}	Cyclohexane	80.75	53.0	67.5	v-l	186
		"	80.75	...	67		256
	951 C_6H_{12}	Methylcyclopentane	72.0	...	57		256
	952 C_6H_{12}	1,1,2-Trimethyl-cyclopropane	52.6	42.3	32 vol. %		291
	953 $C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope		v-l	157
	954 $C_6H_{12}O_2$	Butyl acetate	126.2	Nonazeotrope		v-l	63
	955 C_6H_{14}	2,3-Dimethylbutane	58.0	...	46.5		256
	956 C_6H_{14}	Hexane	68.95	49.8	59		256, 334
	957 C_7H_{16}	Heptane	98.4	...	89.5		256
A =	**C_3H_6O**	**Allyl Alcohol**	**96.6**				
	958 C_3H_8O	Isopropyl alcohol	82.3	Nonazeotrope		v-l	172
	959 C_5H_8O	Allyl vinyl ether	...	...	10		341
		"	67.4	66.6	5		334
	960 $C_5H_8O_2$	Allyl acetate	...	95.1	63		1
	961 C_6H_{12}	Cyclohexane	80.8	74.0	58		147
	962 C_6H_{14}	Hexane	68.8	...	12.5		176
	963 $C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
A =	**C_3H_6O**	**Propionaldehyde**	**48.7**				
	964 C_3H_6O	Propylene oxide, 30 p.s.i.g.	69	Nonazeotrope			334
	965 C_5H_6O	2-Methylfuran	63.7	Nonazeotrope			270
A =	**C_3H_6O**	**Propylene Oxide**	**35**				
	966 $C_4H_{10}O$	Ethyl ether	34.5	32.6	49.6		243
A =	**$C_3H_6O_2$**	**1,3-Dioxolane**	**75.6**				
	967 C_7H_8	Toluene	110.6	Nonazeotrope			334
	968 C_7H_{16}	Heptane	98.4	72.3	81		334

		B-Component		Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_3H_6O_2$	**1,3-Dioxolane (continued)**	**75.6**				
969	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope			334
970	C_9H_{20}	Nonane	150.8	Nonazeotrope			334
A =	$C_3H_6O_2$	**Ethyl Formate**	**54.1**				
971	C_3H_7Br	2-Bromopropane	59.35	53.0	59.4		195, 252
A =	$C_3H_6O_2$	**Methyl Acetate**	**56.95**				
972	C_3H_7Br	2-Bromopropane	59.35	55.6	14.5		195
973	C_5H_6O	2-Methylfuran	...	Nonazeotrope			270
974	C_5H_8	Cyclopentene	44.4	41.7	27.7		126
975	C_5H_{10}	Cyclopentane	49.3	43.2	37.9		126
976	C_5H_{10}	1-Pentene	30.1	30.0	3.3		126
977	C_5H_{12}	Pentane	36.08	34.05	22		126
978	C_6H_6	Benzene	80.1	56.7	99.7		126
979	C_6H_8	1,3-Cyclohexadiene	80.25	56.7	98.0		126
980	C_6H_{10}	Cyclohexene	83.1	56.5	90.2		126
981	C_6H_{12}	Cyclohexane	80.6	54.9	83.0		126
982	C_6H_{12}	2,3-Dimethyl-1-butene	55.62	48.95	42.8		126
983	C_6H_{12}	2,3-Dimethyl-2-butene	73.38	55.1	71.8		126
984	C_6H_{12}	3,3-Dimethyl-1-butene	41.4	39.9	8.8		126
985	C_6H_{12}	2-Ethyl-1-butene	64.8	52.8	60.1		126
986	C_6H_{12}	1-Hexene	63.58	52.5	63.6		126
987	C_6H_{12}	cis-2-Hexene	68.55	53.7	69.8		126
988	C_6H_{12}	3-Methyl-2-pentene	70.64	54.45	73.7		126
989	C_6H_{12}	4-Methyl-1-pentene	54.0	48.3	36.7		126
990	C_6H_{12}	trans-4-Methyl-2-pentene	58.45	50.0	51.3		126
991	C_6H_{12}	Methylcyclopentane	71.8	53.0	68.0		126
992	C_6H_{14}	2,2-Dimethylbutane	49.65	43.7	38.2		126
993	C_6H_{14}	2,3-Dimethylbutane	58.05	48.0	48.25		126
994	C_6H_{14}	Hexane	68.85	51.75	60.7		126
995	C_6H_{14}	2-Methylpentane	60.2	49.25	51.6		126
996	C_6H_{14}	3-Methylpentane	63.25	50.05	57.4		126
997	C_7H_{16}	2,4-Dimethylpentane	80.7	54.7	72.4		126
998	C_7H_{16}	Heptane	98.45	56.65	96.45		126
999	C_7H_{16}	2-Methylhexane	90.0	56.0	88.6		126
1000	C_7H_{16}	3-Methylhexane	91.85	56.3	84.9		126
1001	C_7H_{16}	2,2,3-Trimethylbutane	80.9	55.1	74.2		126
A =	$C_3H_6O_2$	**Propionic Acid**	**140.7**				
1002	$C_4H_6O_3$	Acetic anhydride	138	Nonazeotrope		v-l	250
1003	C_5H_5N	Pyridine	115.5	148.6	67.2		370
1004	$C_5H_{11}NO$	N,N-Dimethylpropionamide	175.5	179.3	23.6		295
1005	C_6H_{14}	Hexane	68.85	Nonazeotrope			189
1006	C_7H_{16}	Heptane	98.15	97.82	2.0		189
1007	C_8H_{18}	Octane	125.12	120.89	24		189
		"	125.12	...	24.2	v-l	154
		" Satd. with Na propionate	...	...	6	v-l	154
1008	C_9H_{20}	Nonane	150.67	134.27	54		189
1009	$C_{10}H_{22}$	Decane	174.06	139.76	80.5		189
1010	$C_{11}H_{24}$	Undecane	193.85	Nonazeotrope			189
A =	$C_3H_6O_3$	**Methyl Glycolate**	**151.2**				
1011	C_8H_{10}	Ethylbenzene	136.15	Min. b.p.	...		52
1012	C_8H_{10}	m-Xylene	139	Min. b.p.	...		52
A =	$C_3H_6O_3$	**s-Trioxane**	**114.5**				
1013	C_6H_{12}	Cyclohexane	80.75	Min. b.p.	...		52
A =	C_3H_7ClO	**Propylene Chlorohydrin**	**73/100**				
1014	$C_6H_{12}Cl_2O$	Bis(chloroisopropyl) ether, 100 mm.	121.9	Nonazeotrope			334

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_3H_7NO	N,N-Dimethylformamide	153				
1015	C_6H_6	Benzene	80.1	Nonazeotrope			52
A =	C_3H_7NO	Propionamide	222.1				
1016	$C_{10}H_{22}$	Decane, 50 mm.	...	88	3		26
		" 100 mm.	...	106	5		26
		" 200 mm.	...	126	7.5		26
		" 760 mm.	173.3	168	11.8		26
1017	$C_{11}H_{24}$	Undecane, 50 mm.	...	105	15		26
		" 100 mm.	...	123	16		26
		" 200 mm.	...	142	17.3		26
		" 760 mm.	194.5	183	21		26
1018	$C_{12}H_{26}$	Dodecane, 50 mm.	...	115	26		26
		" 100 mm.	...	132	26		26
		" 200 mm.	...	152	26		26
		" 760 mm.	216	193	31.6		26
A =	$C_3H_7NO_2$	1-Nitropropane	131.18				
1019	C_3H_8O	Isopropyl alcohol	82.40	Nonazeotrope			55
1020	C_3H_8O	Propyl alcohol	97.15	96.95	8.8		55
1021	$C_4H_{10}O$	Butyl alcohol	117.73	115.30	32.2		55
1022	$C_4H_{10}O$	sec-Butyl alcohol	99.53	99.40	4.1		55
1023	$C_4H_{10}O$	tert-Butyl alcohol	82.41	Nonazeotrope			55
1024	$C_4H_{10}O$	Isobutyl alcohol	107.89	105.28	15.2		55
A =	$C_3H_7NO_2$	2-Nitropropane	120.25				
1025	C_3H_8O	Isopropyl alcohol	82.40	82.24	4.2		55
1026	C_3H_8O	Propyl alcohol	97.15	95.97	24.9		55
1027	$C_4H_{10}O$	Butyl alcohol	117.73	111.61	52.4		55
1028	$C_4H_{10}O$	sec-Butyl alcohol	99.53	98.70	18.0		55
1029	$C_4H_{10}O$	tert-Butyl alcohol	82.41	Nonazeotrope			55
1030	$C_4H_{10}O$	Isobutyl alcohol	107.89	105.28	33.1		55
A =	C_3H_8O	Isopropyl Alcohol	82.3				
1031	$C_4H_6O_2$	Vinyl acetate	72.7	70.8	22.4		335
1032	$C_4H_8O_2$	p-Dioxane	...	...	...	v-l	47
1033	$C_4H_8O_2$	Ethyl acetate	77.05	75.9	25	v-l	228
		" 40°-60° C.	...	...		v-l	228
1034	$C_4H_8O_2$	Methyl propionate	79.6	77	28		335
1035	C_4H_9Cl	1-Chloro-2-methyl-propane	68.9	63.8	19		335
1036	$C_4H_{10}O$	Ethyl ether	34.6	Nonazeotrope			334
1037	$C_4H_{11}N$	Butylamine	77.8	84.7	60		335
1038	$C_5H_{10}O$	Isopropyl vinyl ether	...	...	16.5		341
1039	$C_5H_{10}O$	2-Pentanone	102.35	Nonazeotrope		v-l	11
1040	C_6H_6	Benzene, 155 mm.	...	31.8	20.6		316
		" 243 mm.	...	41.8	23.6		316
		" 509 mm.	...	60.4	29.9		316
		" 607 mm.	...	65.3	31.4		316
		" 760 mm.	...	71.74	33.7		316
		" 196 mm.	...	37.2	22.4		256
		" 512 mm.	...	60.3	30		256
		" 4920 mm.	...	134.7	62		256
		" 10,180 mm.	...	166.3	79		256
		" 15,380 mm.	...	186.1	91		256
1041	C_6H_{10}	1,3-Hexadiene	72.9	Min. b.p.			80
1042	C_6H_{10}	2,4-Hexadiene	82	Min. b.p.			80
1043	C_6H_{10}	3-Methyl-1,3-pentadiene	77	Min. b.p.			80
1044	$C_6H_{10}O$	Mesityl oxide	128.3	Nonazeotrope			334
1045	C_6H_{12}	Cyclohexane, 129 mm.	...	26.3	18.3		316
		" 270 mm.	...	42.5	23.3		316
		" 434 mm.	...	54.1	27.1		316
		" 549 mm.	...	60.2	29.2		316
		" 760 mm.	...	69.4	32		316
1046	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9	Nonazeotrope			11
1047	$C_6H_{15}N$	Diisopropylamine	84.1	79.7	40		335

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P.,°C.	B.P.,°C.	Wt.%A		Ref.
A =	C_3H_8O	**Isopropyl Alcohol (continued)**	**82.3**				
1048	$C_6H_{15}N$	Hexylamine	132.7	Nonazeotrope			334
1049	C_7H_8	Toluene	110.7	...	52		327
		"	110.6	80.6	69		335
1050	C_8H_{14}	Diisobutylene	102.3	77.8	54.5		335
1051	C_8H_{16}	trans-1,2-Dimethylcyclohexane	123.42	81.4	79 vol. %		291
1052	C_8H_{16}	cis-1-Ethyl-2-methylcyclopentane	128.05	82.2	83 vol. %		291
1053	C_8H_{16}	trans-1-Ethyl-2-methylcyclopentane	121.2	81.6	76 vol. %		291
1054	C_8H_{16}	trans-1-Ethyl-3-methylcyclopentane	120.8	81.4	75 vol. %		291
1055	C_8H_{16}	1,1,2-Trimethylcyclopentane	113.73	80.4	66 vol. %		291
1056	C_8H_{16}	1,1,3-Trimethylcyclopentane	104.89	78.5	53 vol. %		291
1057	C_8H_{16}	1,cis-2,trans-3-Trimethylcyclopentane	117.5	81.1	71 vol. %		291
1058	C_8H_{16}	1,cis-2,trans-4-Trimethylcyclopentane	116.73	80.9	71 vol. %		291
1059	C_8H_{18}	2,2,4-Trimethylpentane	99.3	77.3	48.5	v-l	29
A =	C_3H_8O	**Propyl Alcohol**	**97.25**				
1060	C_3H_8S	1-Propanethiol, 766 mm.	67.8	66.4	8.65		181
1061	$C_4H_8O_2$	Ethyl acetate, 40°-60° C.	77.05	Nonazeotrope		v-l	228
1062	$C_5H_{10}O$	3-Pentanone	101.8	94.9	57		334
1063	$C_5H_{10}O_2$	Propyl acetate	101.6	94.7	49	v-l	264
		" 200 mm.	...	59.96	31.4	v-l	306
		" 400 mm.	...	77.06	39.2	v-l	306
		" 600 mm.	...	88.04	44.8	v-l	306
		" 760 mm.	...	94.7	48.9	v-l	306
1064	C_6H_5Cl	Chlorobenzene	132	96.5	80		334
1065	C_6H_6	Benzene, 239 mm.	...	45	10.5	v-l	24
		" 44.7-309.7 p.s.i.g.	...	Effect of press.		v-l	277
		" 123 mm.	...	28.0	8.0		316, 344
		" 289 mm.	...	49.8	11.6		316, 344
		" 423 mm.	...	59.9	13.6		316, 344
		" 610 mm.	...	70.1	15.7		316, 344
		" 760 mm.	...	77.10	17.1		316, 344
		" 342 mm.	...	53.7	12.3		256
		" 573 mm.	...	68.6	15.3		256
		" 2420 mm.	...	117.6	27.5		256
		" 5020 mm.	...	147.5	37		256
		" 10,050 mm.	...	183.8	50.5		256
		" 18,200 mm.	...	218.3	66.1		256
1066	C_6H_{12}	Cyclohexane, 161 mm.	...	33.8	9.9		316
		" 250 mm.	...	44.3	11.8		316
		" 429 mm.	...	58.0	15.0		316
		" 560 mm.	...	65.4	16.5		316
		" 760 mm.	...	74.69	18.5		316
		" 4-15 atm.	...	Effect of press.			278
1067	$C_6H_{12}O$	2-Methylpentanal	118.3	95	86		334
1068	$C_6H_{16}OSi$	(Trimethylsiloxy) propane, 735 mm.	100.3	87.5	...		193
1069	C_7H_8	Toluene	110.7	...	50.5		327
		"	110.6	92.6	49		334
		"	110.7	92.6	51.5	v-l	202
1070	C_8H_8	Styrene, 50 mm.	...	38.5	84	v-l	211
		"	...	% PrOH increases with press.			211

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt. %A		Ref.
A =	C_3H_8O	**Propyl Alcohol (continued)**	**97.25**				
1071	C_8H_{10}	Ethylbenzene, 50 mm.	...	% PrOH increases with press.			211
1072	C_8H_{10}	p-Xylene	138.4	...	92		327
A =	C_3H_8OS	**2-(Methylthio)ethanol**		...			
1073	$C_5H_{10}OS$	2-Methylthioethyl vinyl ether, 22 mm.	...	75	20		329
A =	$C_3H_8O_2$	**2-Methoxyethanol**	**124.5**				
1074	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	331
1075	C_6H_{12}	Cyclohexane	80.7	Nonazeotrope			334
		"	...	77.5	15	v-l	331
1076	C_7H_{14}	trans-2-Heptene	98.0	92.9	19 vol. %		291
1077	$C_7H_{16}O_2$	1-tert-Butoxy-2-methoxyethane	...	119	45		76
1078	C_8H_8	Styrene, 57 mm.	67.9	54.8	62 vol. %		291
		" 62 mm.	...	56.8	50.1	v-l	152
1079	C_8H_{10}	Ethylbenzene, 62 mm.	...	51.9	34.3	v-l	152
1080	C_8H_{10}	p-Xylene	138.35	119.3	54 vol. %		291
1081	C_8H_{12}	4-Vinylcyclohexene, 57 mm.	...	44.4	30 vol. %		291
1082	C_8H_{16}	cis-1,3-Dimethylcyclohexane	120.9	105.6	36 vol. %		291
1083	C_8H_{16}	trans-1-Ethyl-2-methylcyclopentane	121.2	106.3	32 vol. %		291
1084	C_8H_{16}	trans-1-Ethyl-3-methylcyclopentane	120.8	106.0	35 vol. %		291
1085	C_8H_{16}	1,1,3-Trimethylcyclopentane	104.89	96.7	20 vol. %		291
1086	C_8H_{16}	1,cis-2,cis-3-Trimethylcyclopentane	123.0	107.4	35 vol. %		291
1087	C_8H_{16}	1,trans-2,cis-3-Trimethylcyclopentane	110.2	100.2	20 vol. %		291
1088	C_8H_{16}	2,4,4-Trimethyl-1-pentene	101.44	95.5	20 vol. %		291
1089	C_8H_{18}	2,4-Dimethylhexane	109.43	99.3	26 vol. %		291
1090	C_8H_{18}	2,2,3-Trimethylpentane	109.84	99.7	25 vol. %		291
1091	C_9H_{18}	1,1,3-Trimethylcyclohexane	136.6	113.1	41 vol. %		291
1092	C_9H_{20}	2,2,3,4-Tetramethylpentane	133.02	111.4	39 vol. %		291
1093	C_9H_{20}	2,3,4-Trimethylhexane	139.0	113.5	39 vol. %		291
1094	C_9H_{20}	2,3,5-Trimethylhexane	131.34	110.6	40 vol. %		291
A =	$C_3H_8O_2$	**1,2-Propanediol**	**187.8**				
1095	$C_5H_{10}O_2$	3-Vinyloxypropanol	...	Min. b.p.			94
1096	C_6H_6	Benzene	80.1	Nonazeotrope			334
1097	$C_6H_{14}O_3$	Dipropylene glycol, 10 mm.	...	Nonazeotrope		v-l	60
1098	C_7H_8	Toluene	110.6	110.5	1.5		335
1099	C_8H_6O	Coumarone	173	Azeo. distillation			120
1100	C_8H_{10}	o-Xylene	144.4	135.8	10		335
1101	$C_8H_{18}O$	Butyl ether	142.1	136	...		334, 335
1102	$C_{10}H_8$	Naphthalene	218.1	Azeo. distillation			120
1103	$C_{10}H_{22}O_4$	Tripropylene glycol methyl ether, 50 mm.	...	Nonazeotrope			76
1104	$C_{12}H_{26}$	Dodecane	216	175	67		60
1105	$C_{14}H_{30}$	Tetradecane	252.5	179	76		60
1106	$C_{16}H_{34}O$	Bis(2-ethylhexyl) ether, 10 mm.	135	84	...		335
A =	$C_3H_8O_2$	**1,3-Propanediol**	**214**				
1107	$C_5H_{10}O_2$	3-Vinyloxy-1-propanol	...	...	10-15		94

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt. %A		Ref.
A =	C_3H_8S	**Ethyl Methyl Sulfide**	**66.61**				
1108	C_6H_{12}	Cyclohexane	80.35	Nonazeotrope			70
1109	C_6H_{12}	1-Hexene	63.50	62.71	29.4		70
1110	C_6H_{12}	Methylcyclopentane	71.85	65.59	64.1		70
1111	C_6H_{14}	2,3-Dimethylbutane	58.10	57.41	18.7		70
1112	C_6H_{14}	Hexane	68.75	63.94	56.6		70
1113	C_7H_{16}	2,2-Dimethylpentane	79.20	66.37	88.2		70
A =	$C_3H_9BO_3$	**Trimethyl Borate**	**68.7**				
1114	C_4H_8O	Tetrahydrofuran	65	Nonazeotrope		v-l	115
A =	C_3H_9N	**Isopropylamine**	**32.4**				
1115	C_6H_{14}	Hexane	68.7	Nonazeotrope			334
A =	C_3H_9NO	**1-Amino-2-propanol**	**159.9**				
1116	C_6H_5Cl	Chlorobenzene	131	128.30	13		259
1117	$C_6H_{15}NO_2$	1,1'-Iminodi-2-propanol, 100 mm.	185	Nonazeotrope			334
1118	C_7H_8	Toluene	110.7	110	5		259
1119	C_7H_{16}	Heptane	98.4	96.6	6		334
A =	$C_3H_{10}N_2$	**1,2-Propanediamine**	**120.9**				
1120	$C_4H_{10}O$	Butyl alcohol	117.7	126.5	49		335
1121	$C_4H_{10}O$	Isobutyl alcohol	107.9	123	65		335
1122	C_7H_8	Toluene	110.6	105	32		334
A =	$C_4Cl_3F_7$	**2,2,3-Trichloroheptafluorobutane**	**97.4**				
1123	$C_5Cl_2F_6$	1,2-Dichlorohexafluorocyclopentene	90.6	Nonazeotrope		v-l	354
1124	C_7H_{16}	Heptane	98.53	92.3	76	v-l	354
1125	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	96.35	67	v-l	354
A =	$C_4HF_7O_2$	**Perfluorobutyric Acid**	**122.0**				
1126	C_8H_{10}	Ethylbenzene	136.15	115.4	80		52
1127	C_8H_{10}	m-Xylene	139	117.5	83		52
1128	C_8H_{10}	p-Xylene	138.4	117.6	82		52
A =	$C_4H_2O_3$	**Maleic Anhydride**	...				
1129	C_8H_{10}	m-Xylene, 150 mm.	...	Nonazeotrope			334
1130	$C_{16}H_{22}O_4$	Dibutyl phthalate, 50 mm.	238	Nonazeotrope			334
A =	C_4H_4	**Vinylacetylene**	...				
1131	C_4H_5Cl	2-Chloro-1,3-butadiene, 740 mm.	...	Nonazeotrope		v-l	151
A =	$C_4H_4O_2$	**Diketene**	...				
1132	C_7H_8	Toluene, 60 mm.	...	41	10		84
A =	C_4H_4S	**Thiophene**	**83.97**				
1133	$C_4H_{10}S$	2-Butanethiol	85.15	82.27	...		70
1134	$C_4H_{10}S$	Isopropyl methyl sulfide	84.76	83.42	...		70
1135	C_6H_6	Benzene	80.10	Nonazeotrope			70
1136	C_6H_{12}	Cyclohexane	80.85	77.90	41.2		70
1137	C_6H_{12}	Methylcyclopentane	71.85	71.47	14.0		70
1138	C_6H_{14}	Hexane	68.75	68.46	11.2		70
1139	C_7H_{14}	trans-1,3-Dimethylcyclopentane	90.80	82.00	67.7		70
1140	C_7H_{16}	2,3-Dimethylpentane	89.90	80.90	64		70
1141	C_7H_{16}	2,4-Dimethylpentane	80.55	76.58	42.7		70
1142	C_7H_{16}	Heptane	98.40	83.09	83.2		70

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**C_4H_5Cl**	**2-Chloro-1,3-butadiene**	...				
1143	$C_4H_6Cl_2$	1,3-Dichloro-2-butene,					
		100 mm.	...	Nonazeotrope		v-l	151
		" 340 mm.	...	Nonazeotrope		v-l	151
1144	C_4H_6O	3-Butene-2-one,					
		100 mm.	...	Nonazeotrope		v-l	151
		" 340 mm.	...	Nonazeotrope		v-l	151
A =	**$C_4H_6O_2$**	**2,3-Butanedione**	**90.7**				
1145	C_4H_8O	2-Butanone	79.6	Nonazeotrope			334
A =	**$C_4H_6O_2$**	**Vinyl Acetate**	**72.7**				
1146	$C_4H_{10}O$	Butyl alcohol	117.7	Nonazeotrope			334
1147	C_6H_{12}	Cyclohexane	80.7	67.4	61.3		334
1148	C_7H_{16}	Heptane	98.4	72	83.5		334
1149	$C_8H_{18}O$	Butyl ether	142.1	Nonazeotrope			334
A =	**$C_4H_6O_3$**	**Acetic Anhydride**	**139.9**				
1150	$C_5H_8O_2$	Isopropenyl acetate	97.4	Nonazeotrope			334
1151	$C_5H_{10}O_2$	Isopropyl acetate	88.7	Nonazeotrope			334
1152	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
A =	**C_4H_7ClO**	**2-Chloroethyl Vinyl Ether**	**109.1**				
1153	$C_5H_{12}O$	Isoamyl alcohol	131.8	109	99		335
		" 50 mm.	67	39	99		335
A =	**$C_4H_8Cl_2O$**	**Bis(2-chloroethyl Ether)**	**178.65**				
1154	$C_4H_{10}O_3$	Diethylene glycol	245.5	174.6	92		60
1155	$C_7H_{16}O$	3-Heptanol	156.4	141.2	28		334
1156	$C_8H_{18}O$	2-Ethyl-1-hexanol,					
		50 mm.	109	96	90		335
A =	**C_4H_8O**	**2-Butanone**	**79.6**				
1157	$C_4H_8O_2$	Isopropyl formate	68.8	Nonazeotrope			310
1158	C_4H_9Cl	1-Chloro-2-methyl-propane	68.8	Nonazeotrope			310
1159	$C_4H_{10}O$	sec-Butyl alcohol	99.5	Nonazeotrope		v-l	8
		" 374 mm.	...	Nonazeotrope		v-l	8
1160	C_5H_6O	2-Methylfuran	...	Nonazeotrope		v-l	310
1161	C_6H_6	Benzene	80.1	78.1	47	v-l	74
		" 14.7 p.s.i.a.	...	78.2	45	v-l	321
		" 66.7 p.s.i.a.	...	133.0	67.6	v-l	321
		" 118.0 p.s.i.a.	...	160.7	90.0	v-l	321
		" 125.0 p.s.i.a.	...	Nonazeotrope		v-l	321
1162	C_6H_6O	Phenol, 200-760 mm.	...	Nonazeotrope		v-l	33
1163	C_6H_8O	2,5-Dimethylfuran	93.3	Nonazeotrope			334
1164	C_6H_{12}	Cyclohexane,					
		14.7 p.s.i.a.	...	71.0	52.5		321
		" 66.7 p.s.i.a.	...	128.7	61.0		321
		" 118.0 p.s.i.a.	...	156.4	64.0		321
		" 125.0 p.s.i.a.	...	182.5	69.0		321
		"	80.85	71.6	45.5		186
		"	80.85	71.5	44		73
		"	80.85	...	42		256
1165	C_6H_{14}	2,3-Dimethylbutane	58	...	15.1		256
1166	C_6H_{14}	Hexane	68.95	...	29.6		256
1167	C_7H_{14}	Methylcyclohexane	101.15	...	80		256
1168	C_7H_{16}	Heptane	98.4	...	73		256
1169	C_8H_{18}	2,5-Dimethylhexane	109.4	...	95		256
A =	**C_4H_8O**	**Butyraldehyde**	**74.8**				
1170	C_4H_8O	Isobutyraldehyde	69.5	Nonazeotrope			96
1171	$C_4H_8O_2$	Butyric acid	163.3	Nonazeotrope			334

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P.,°C.	B.P.,°C.	Wt.%A		Ref.
A =	**C_4H_8O**	**Butyraldehyde (continued)**	**74.8**				
1172	$C_4H_{10}O$	Isobutyl alcohol	107.9	Nonazeotrope			334
1173	$C_4H_{10}O_2$	1,1-Dimethoxyethane	64.5	Nonazeotrope			334
1174	$C_6H_{10}O$	Mesityl oxide	128.3	Nonazeotrope			334
1175	C_6H_{14}	Hexane	68.7	60	26		334
1176	$C_6H_{14}O_2$	1,1-Dimethoxybutane	114	Nonazeotrope			334
A =	**$C_4H_8O_2$**	**Butyric Acid**	**162.45**				
1177	C_5H_5N	Pyridine	115.5	163.2	92		370
1178	$C_6H_{13}NO$	N,N-Dimethylbutyramide, 100 mm.	124.5	130	32.6		295
1179	$C_{11}H_{24}$	Undecane	194.5	162.4	84.5		370
A =	**$C_4H_8O_2$**	***p*-Dioxane**	**101.3**				
1180	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		v-l	215
1181	$C_4H_{10}O$	Isobutyl alcohol	108	101.3	...		208
1182	C_6H_6	Benzene, 200-760 mm.	...	Nonazeotrope		v-l	124
1183	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
1184	C_7H_8	Toluene, 200-760 mm.	...	Nonazeotrope		v-l	124
A =	**$C_4H_8O_2$**	**Ethyl Acetate**	**77.05**				
1185	$C_4H_{10}O$	Isobutyl alcohol, 100-760 mm.	...	...	...	v-l	316
1186	$C_4H_{10}O_2$	2-Ethoxyethanol	135.1	Nonazeotrope		v-l	220
1187	$C_5H_4O_2$	2-Furaldehyde	161.45	Nonazeotrope			350
1188	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	43, 44
1189	C_6H_{12}	Cyclohexane	80.75	71.6	56	v-l	43, 44
		" 233 mm.	...	38.7	50.1		316
		" 301 mm.	...	45.1	51		316
		" 415 mm.	...	53.6	52.3		316
		" 581 mm.	...	63.0	54.1		316
		" 756 mm.	...	71.1	55.3		316
1190	$C_6H_{12}O_2$	Butyl acetate	126.1	Nonazeotrope			334
1191	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope			334
A =	**$C_4H_8O_2$**	**Isobutyric Acid**	**154.7**				
1192	$C_5H_8O_3$	Methyl acetoacetate	171.7	Nonazeotrope			334
1193	C_8H_{10}	Ethylbenzene	136.15	133.0	8.8		84
		" 30 mm.	...	48.0	0.8		84
1194	C_8H_{10}	Mixed xylenes	...	133.0	10.0		84
		" 56 mm.	...	62	1.0		84
A =	**$C_4H_8O_2$**	**Propyl Formate**	**80.9**				
1195	C_6H_{14}	Hexane	68.95	63.6	29.5		324
A =	**C_4H_8S**	**Tetrahydrothiophene**	**120.79**				
1196	$C_6H_{14}S$	Isopropyl sulfide	119.25	118.40	...		70
1197	C_7H_8	Toluene	110.85	Nonazeotrope			70
1198	C_8H_{16}	trans-1,3-Dimethylcyclohexane	120.30	115.90	43.1		70
1199	C_8H_{16}	Ethylcyclohexane	131.85	120.46	80.7		70
1200	C_8H_{18}	2,5-Dimethylhexane	109.15	107.95	16.8		70
1201	C_8H_{18}	2-Methylheptane	117.70	113.96	38.2		70
1202	C_8H_{18}	Octane	125.70	117.79	60.3		70
A =	**C_4H_9Cl**	**1-Chlorobutane**	**77.9**				
1203	$C_4H_{10}O$	Butyl alcohol	117.75	Nonazeotrope		v-l	335
A =	**$C_4H_9Cl_3Sn$**	**Butyltin Trichloride**	**113/17**				
1204	$C_8H_{18}Cl_2Sn$	Dibutyltin dichloride, 17 mm.	157	Nonazeotrope			334
1205	$C_{12}H_{27}ClSn$	Tributyltin chloride, 17 mm.	166	Nonazeotrope			334

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt. %A		Ref.
A =	**C_4H_9NO**	**Morpholine**	**128.3**				
1206	$C_8H_{18}O$	Butyl ether	142.1	126.7	73		334
1207	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	128	98		334
A =	**$C_4H_9NO_3$**	**2-Methyl-2-nitro-1-Propanol**	...				
1208	$C_6H_{11}NO_3$	2-Methyl-2-nitropropyl vinyl ether, 10 mm.	...	71-81	8.6		341
A =	**$C_4H_{10}O$**	**Butyl Alcohol**	**117.75**				
1209	$C_4H_{10}O$	sec-Butyl alcohol	99.5	Nonazeotrope			334
1210	$C_4H_{10}O$	Isobutyl alcohol, to crit. region	107	Nonazeotrope		v-l	75, 334
		" 750 mm.	...	Nonazeotrope		v-l	335
1211	$C_4H_{10}O$	Ethyl ether, to crit. region	34.5	Nonazeotrope		v-l	75
1212	$C_4H_{10}S$	1-Butanethiol, 770 mm.	98	97.8	14.84		181
1213	$C_4H_{11}N$	Butylamine	77.1	Nonazeotrope			334
1214	C_5H_5N	Pyridine	115.5	118.6	69	v-l	141
1215	$C_5H_8O_2$	Methyl methacrylate	99.8	Nonazeotrope			147
1216	C_6H_6	Benzene, 45°	...	Nonazeotrope		v-l	24
		"	80.1	Nonazeotrope		v-l	344, 362
1217	C_6H_{12}	Cyclohexane	80.8	79.8	9.5		147, 335
1218	$C_6H_{12}O$	Butyl vinyl ether	94.2	93.3	7.8		335
1219	$C_6H_{12}O$	Hexaldehyde	128.3	116.8	77.1		335
1220	$C_6H_{12}O_2$	Butyl acetate, 50 mm.	...	...	27.3		117
		"	126.2	117.6	67.2		117, 335
1221	C_6H_{14}	Hexane	68.95	68.2	3.2		174, 335
1222	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope		v-l	335
1223	C_7H_8	Toluene	110.7	105.5	27.5	v-l	377
		" 200 mm.	...	66.8	17.7	v-l	124
		" 400 mm.	...	85.45	22.9	v-l	124
		" 600 mm.	...	97.7	26.5	v-l	124
		" 760 mm.	...	105.3	29.7	v-l	124
1224	$C_7H_{12}O_2$	Butyl acrylate, 100 mm.	69.77	69	75		334
		" 20 mm.	...	39	87.7		76
		" 150 mm.	...	77	92.2		76
		"	147	117	98.2		76
1225	C_7H_{16}	Heptane	98.4	93.85	18		174, 175
		"	98.4	~94	~16	v-l	141
1226	$C_7H_{18}SiO$	(Trimethylsiloxy) butane	...	Azeotropic			193
1227	C_8H_{10}	Ethylbenzene, 50 mm.	...	...	36.3	v-l	92
		" 100 mm.	...	63.65	42.1	v-l	92
		" 300 mm.	...	...	51.0	v-l	92
		" 500 mm.	...	...	59.7	v-l	92
		" 760 mm.	136.15	115.85	65.1	v-l	92
1228	C_8H_{18}	Octane	125.75	108.45	43.2		174, 175
1229	$C_8H_{18}O$	Butyl ether	142.1	117.6	82.5		335
1230	$C_8H_{19}N$	Dibutylamine	159.6	Nonazeotrope			334
1231	C_9H_{20}	Nonane	150.7	115.9	71.5		174, 175
A =	**$C_4H_{10}O$**	**sec-Butyl Alcohol**	**99.5**				
1232	$C_6H_{12}O_2$	Butyl acetate	126.1	Nonazeotrope			334
1233	$C_6H_{12}O_2$	sec-Butyl acetate	112.2	Nonazeotrope			334
1234	C_7H_{14}	Methylcyclohexane	101.5	89.7	38.2	v-l	352
1235	C_7H_{16}	Heptane	98.4	88.1	36.7	v-l	352
1236	C_8H_{14}	Diisobutylene	102.3	91	35		37
1237	C_8H_{18}	Iso-octane	99.3	88.0	33.8	v-l	352

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P.,°C.	B.P.,°C.	Wt.%A		Ref.
A =	**$C_4H_{10}O$**	**Isobutyl Alcohol**	**107**				
1238	C_6H_6	Benzene	80.1	78.36	12		111
		" 111 mm.	...	28.4	2.7		316
		" 240 mm.	...	45.0	4.2		316
		" 525 mm.	...	67.4	6.4		316
		" 760 mm.	80.1	79.3	7.4		316
		" 206 mm.	...	43.0	4.2		256
		" 394 mm.	...	59.5	6.0		256
		" 759 mm.	80.1	79.4	7.9		256
		" 5420 mm.	...	159.9	21.0		256
		" 12,930 mm.	...	207.5	33		256
A =	**$C_4H_{10}O$**	**Ethyl Ether**	**34.5**				
1239	$C_8H_{18}O$	Butyl ether, 600 mm.	142.4	Ideal system		v-l	257
A =	**$C_4H_{10}O_2$**	**1,2-Dimethoxyethane**	**85.2**				
1240	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
A =	**$C_4H_{10}O_2$**	**1,4-Butanediol**	**230**				
1241	$C_6H_{12}O_2$	4-Vinyloxybutanol	...	Min. b.p.	...		94
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol**	**134.0**				
1242	$C_5H_8O_2$	Methyl methacrylate	99.8	Nonazeotrope			147
1243	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope		v-l	220
1244	$C_6H_{12}O_2$	Butyl acetate	126.2	125.7	13	v-l	221
1245	$C_6H_{14}N_2$	2,5-Dimethylpiperazine	164	Nonazeotrope			334
1246	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			334
1247	C_8H_8	Styrene, 50 mm.	...	59.8	42.5	v-l	110
1248	C_8H_{10}	Ethylbenzene, 50 mm.	...	53.9	27.6	v-l	110
		" 57 mm.	60.62	50.0	42 vol. %		291
		" 735 mm.	134.9	126.2	43.3	v-l	167
		"	136.15	128	45	v-l	227
1249	C_8H_{10}	m-Xylene, 735 mm.	137.9	127.7	48.9	v-l	167
1250	C_8H_{10}	o-Xylene, 735 mm.	143.1	129.6	57.2	v-l	167
1251	C_8H_{10}	p-Xylene, 735 mm.	137.4	127.3	47.9	v-l	167
1252	C_8H_{16}	trans-1,2-Dimethyl-cyclohexane	123.42	115.6	27 vol. %		291
1253	C_8H_{16}	Ethylcyclohexane	131.78	120.2	33 vol. %		291
1254	C_8H_{16}	cis-2-Octene	125.6	117.9	28 vol. %		291
1255	C_8H_{18}	2,5-Dimethylhexane	109.10	105.1	16 vol. %		291
1256	C_8H_{18}	3,3-Dimethylhexane	111.97	107.1	17 vol. %		291
1257	C_8H_{18}	3-Ethyl-3-methyl-pentane	118.26	111.7	23 vol. %		291
1258	C_8H_{18}	Octane	125.75	122.5	33.6	v-l	227
1259	C_9H_{12}	o-Ethyltoluene	165.15	135.0	91 vol. %		291
1260	C_9H_{12}	Mesitylene, 735 mm.	163.4	133.7	85.7	v-l	167
1261	C_9H_{18}	Butylcyclopentane	156.56	130.2	61 vol. %		291
1262	C_9H_{18}	Isobutylcyclopentane	147.6	127.4	49 vol. %		291
1263	C_9H_{18}	Isopropylcyclohexane	154.5	129.6	56 vol. %		291
1264	C_9H_{18}	1-Nonene	146.87	128.1	48 vol. %		291
1265	C_9H_{18}	Propylcyclohexane	156.72	130.2	59 vol. %		291
1266	C_9H_{20}	3,3-Diethylpentane	146.17	126.4	45 vol. %		291
1267	C_9H_{20}	n-Nonane	150.8	128.0	50 vol. %		291
1268	C_9H_{20}	2,2,3,3-Tetramethyl-pentane	140.27	124.1	40 vol. %		291
1269	C_9H_{20}	2,2,4,4-Tetramethyl-pentane	122.28	114.3	26 vol. %		291
1270	C_9H_{20}	2,3,3,4-Tetramethyl-pentane	141.55	124.6	41 vol. %		291
1271	C_9H_{20}	2,2,3-Trimethylhexane	133.60	120.8	34 vol. %		291
1272	C_9H_{20}	2,2,4-Trimethylhexane	126.54	116.8	26 vol. %		291
1273	C_9H_{20}	2,3,3-Trimethylhexane	137.68	122.8	41 vol. %		291
1274	C_9H_{20}	2,3,5-Trimethylhexane	131.34	119.5	32 vol. %		291
1275	C_9H_{20}	2,4,4-Trimethylhexane	130.65	119.1	34 vol. %		291
1276	C_9H_{20}	3,3,4-Trimethylhexane	140.46	124.0	40 vol. %		291

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	**$C_4H_{10}O_2$**	**2-Ethoxyethanol (continued)**	**134.0**				
1277	$C_{10}H_{20}$	tert-Butylcyclohexane	171.5	133.3	73 vol. %		291
A =	**$C_4H_{10}O_3$**	**Diethylene Glycol**	**245.5**				
1278	$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol	193.6	Nonazeotrope			334
1279	C_6H_6	Benzene	80.1	Nonazeotrope			334
1280	$C_6H_{12}O_3$	2-(2-Vinyloxyethoxy) ethanol	...	Min. b.p.			94
1281	$C_6H_{14}O_3$	2-(2-Ethoxyethoxy) ethanol	202.8	Nonazeotrope			334
1282	$C_6H_{14}O_4$	Triethylene glycol, 3 mm.	...	Nonazeotrope		v-l	60
1283	C_8H_7N	Indole	253	Azeo. distillation			120
1284	C_8H_{10}	Ethylbenzene	136.15	Azeo. distillation			120
1285	C_8H_{10}	p-Xylene	138.2	Azeo. distillation			120
1286	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol, 10 mm.	109	Nonazeotrope			334
1287	$C_8H_{18}O_4$	2-[2-(2-Ethoxyethoxy) ethoxy]ethanol, 2 mm.	98	87	43		335
		" 3 mm.	...	135	83.4		60
1288	$C_{10}H_8$	Naphthalene	218.1	Azeo. distillation			120
1289	$C_{11}H_{14}OS$	2-(Benzylmercapto) ethyl vinyl ether	...	Min. b.p.			329
1290	$C_{12}H_9N$	Carbazole, >10 mm.	294	Nonazeotrope			100
1291	$C_{12}H_{10}$	Biphenyl	355.9	Azeo. distillation			120
1292	$C_{12}H_{10}O$	Phenyl ether, 4 mm.	100	...	23		335
1293	$C_{12}H_{24}OS$	2-(2-Ethylhexylthio) ethyl vinyl ether	...	Min. b.p.			329
1294	$C_{12}H_{26}O$	Hexyl ether, 50 mm.	137	129.9	15.5		335
1295	$C_{13}H_{10}$	Fluorene, 10-760 mm.	294	Min. b.p.	...		100
1296	$C_{14}H_{10}$	Phenanthrene, 20 mm.	...	146	93		100
		" 100 mm.	...	180	96.2		100
		" 200 mm.	...	203	98.5		100
		" 300 mm.	...	217	99.5		100
		" 400 mm.	...	226	99.9		100
1297	$C_{14}H_{14}O$	Benzyl ether, 5 mm.	...	...	40		335
1298	$C_{16}H_{34}O$	Bis(2-ethylhexyl)ether, 10 mm.	135	114	...		335
A =	**$C_4H_{10}S$**	**2-Butanethiol**	**85.15**				
1299	$C_4H_{10}S$	Isopropyl methyl sulfide	84.76	Nonazeotrope			70
A =	**$C_4H_{10}S$**	**Ethyl Sulfide**	**92.07**				
1300	C_6H_6	Benzene	80.10	Nonazeotrope			70
1301	C_6H_{12}	Cyclohexane	80.85	Nonazeotrope			70
1302	C_7H_{14}	trans-1,3-Dimethyl-cyclopentane	90.80	88.89	41.0		70
1303	C_7H_{14}	1,1-Dimethylcyclo-pentane	87.90	86.98	26.1		70
1304	C_7H_{14}	Methylcyclohexane	101.05	92.10	94.5		70
1305	C_7H_{16}	3-Methylhexane	91.60	89.19	48.3		70
1306	C_7H_{16}	2,3-Dimethylpentane	89.90	87.93	38.6		70
1307	C_7H_{16}	2,4-Dimethylpentane	80.55	80.53	2.26		70
1308	C_8H_{18}	2,2,4-Trimethylpentane	99.30	91.44	77.0		70
A =	**$C_4H_{10}S$**	**Isopropyl Methyl Sulfide**	**84.76**				
1309	C_6H_{12}	Cyclohexane	80.85	79.76	30		70
1310	C_6H_{12}	Methylcyclopentane	71.85	Nonazeotrope			70
1311	C_7H_{14}	trans-1,3-Dimethyl-cyclopentane	90.80	84.38	80.4		70
1312	C_7H_{14}	1,1-Dimethylcyclo-pentane	87.90	83.62	64.9		70
1313	C_7H_{16}	3-Methylhexane	91.60	84.38	82.4		70

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_4H_{10}S$	**Isopropyl Methyl Sulfide (continued)**	**84.76**				
1314	C_7H_{16}	2,3-Dimethylpentane	89.90	83.83	72.8		70
1315	C_7H_{16}	2,4-Dimethylpentane	80.55	79.39	29.7		70
1316	C_7H_{16}	2,2-Dimethylpentane	79.20	78.40	23.3		70
A =	$C_4H_{10}S$	**Methyl Propyl Sulfide**	**95.47**				
1317	C_7H_{14}	Ethylcyclopentane	103.45	95.41	90.7		70
1318	C_7H_{14}	Methylcyclohexane	101.05	95.06	78.0		70
1319	C_7H_{14}	trans-1,3-Dimethyl-cyclopentane	90.80	90.11	24.3		70
1320	C_7H_{14}	1,1-Dimethylcyclo-pentane	87.90	87.66	9.7		70
1321	C_7H_{16}	3-Methylhexane	91.60	90.53	32.95		70
1322	C_7H_{16}	2,3-Dimethylpentane	89.90	89.10	22.75		70
1323	C_8H_{18}	2,2-Dimethylhexane	106.85	95.42	94.4		70
1324	C_8H_{18}	2,2,4-Trimethylpentane	99.30	94.00	62.2		70
A =	$C_4H_{10}S_2$	**Ethyl Disulfide**	**154.11**				
1325	C_9H_{20}	Nonane	150.65	148.62	41.2		70
1326	$C_{10}H_{22}$	3-Ethyl-3-methyl-heptane	163.00	153.02	80.2		70
A =	$C_4H_{11}N$	**Diethylamine**	**55.5**				
1327	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
1328	$C_6H_{15}NO$	2-(Diethylamino) ethanol	162.1	Nonazeotrope			334
A =	$C_4H_{11}NO_2$	**2,2'-Iminodiethanol**	**126/2 mm.**				
1329	$C_6H_{15}NO_3$	2,2',2''-Nitrilotri-ethanol, 2 mm.	195	Nonazeotrope			334
A =	$C_5Cl_2F_6$	**1,2-Dichlorohexa-fluorocyclopentene**	**90.6**				
1330	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	90.4	80	v-l	354
A =	C_5F_{10}	**Perfluorocyclopentane**	...				
1331	C_5F_{12}	Perfluoropentane, 9.6°-25° C.	...	Nonazeotrope		v-l	237
1332	C_6F_{14}	Perfluorohexane, 15°-25° C.	...	Nonazeotrope		v-l	237
A =	$C_5H_4F_8O$	**2,2,3,3,4,4,5,5-Octafluoro-1-pentanol**	...				
1333	$C_5H_{12}O$	Active amyl alcohol	128.5	Nonazeotrope			330
1334	$C_5H_{12}O$	Isoamyl alcohol	132.0	Nonazeotrope			330
A =	$C_5H_4O_2$	**2-Furaldehyde**	**161.45**				
1335	$C_5H_6O_2$	Furfuryl alcohol, 25 mm.	...	Nonazeotrope		v-l	348
1336	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	52, 331
1337	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		v-l	52, 331
1338	C_7H_{14}	Methylcyclohexane	101.05	100.8	4.1	v-l	114
1339	C_7H_{16}	Heptane	98.40	98.3	5.3	v-l	114
A =	C_5H_5N	**Pyridine**	**115.5**				
1340	$C_5H_{11}N$	Piperidine	106	105.8	3.4		147
1341	$C_5H_{12}O$	3-Pentanol	115.6	117.4	45		334
1342	C_7H_8	Toluene	110.8	110.1	22.2	v-l	141, 371
1343	C_7H_{16}	Heptane	98.40	95.60	25.3	355,	373
		"	98.40	95	13.3	v-l	141
1344	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			363
1345	C_8H_{10}	o-Xylene	143.6	Nonazeotrope			372

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_5H_5N	**Pyridine (continued)**	**115.5**				
1346	C_8H_{18}	Octane	125.75	109.5	56.1		355
1347	C_9H_{20}	Nonane	150.7	115.1	89.9		355
1348	$C_{10}H_8N_2$	2,2'-Dipyridyl	274	Nonazeotrope			147
1349	$C_{10}H_{22}$	Decane	173.3	Nonazeotrope			355
A =	C_5H_6S	**2-Methylthiophene**	**111.92**				
1350	C_7H_{16}	Heptane	98.40	97.77	2.2		70
1351	C_8H_{18}	2-Methylheptane	117.70	109.97	67.8		70
1352	C_8H_{18}	2,5-Dimethylhexane	109.15	106.12	39.6		70
1353	C_8H_{18}	2,2-Dimethylhexane	106.85	104.62	33.2		70
A =	C_5H_6S	**3-Methylthiophene**	**114.96**				
1354	C_7H_{14}	Ethylcyclopentane	103.45	102.82	3.9		70
1355	C_7H_{16}	Heptane	98.40	Nonazeotrope			70
1356	C_8H_{16}	trans-1,3-Dimethyl-cyclohexane	120.3	113.17	66		70
1357	C_8H_{16}	1,1,2-Trimethylcyclo-pentane	113.75	110.47	43.2		70
1358	C_8H_{18}	Octane	125.70	114.15	82		70
1359	C_8H_{18}	2-Methylheptane	117.70	111.86	58.8		70
1360	C_8H_{18}	2,5-Dimethylhexane	109.15	107.12	31.7		70
A =	C_5H_8	**Isoprene**	**34.3**				
1361	C_5H_{10}	3-Methyl-1-butene	21.2	Nonazeotrope			248
1362	C_5H_{10}	2-Methyl-1-butene	32	Nonazeotrope			248
1363	C_5H_{10}	2-Methyl-2-butene	37.7	Nonazeotrope			248
1364	C_5H_{12}	2-Methylbutane	27.6	Nonazeotrope			248
1365	C_5H_{12}	Pentane, 758 mm.	36	33.6	72.5	v-l	248
A =	$C_5H_8Cl_4$	**Tetrachloropentane**	...				
1366	$C_7H_{12}Cl_4$	Tetrachloroheptane, 12-150 mm.	...	Nonazeotrope		v-l	250
A =	C_5H_8O	**Cyclopentanone**	**129.5**				
1367	$C_5H_{12}O$	Active amyl alcohol	128.5	Nonazeotrope			330
1368	$C_5H_{12}O$	Isoamyl alcohol	131.85	127.8	60	v-l	87, 88
		"	131.85	129.4	...		314
		"	131.85	Nonazeotrope			2
1369	$C_5H_{12}O$	2-Methyl-1-butanol	128.9	127	...		87, 88
		"	128.9	124.6	...		314
A =	$C_5H_8O_2$	**Ethyl Acrylate**	**99.3**				
1370	$C_6H_{14}O$	Isopropyl ether	68.3	Nonazeotrope			334
A =	$C_5H_8O_2$	**Methyl Methacrylate**	**61.8/200 mm.**				
1371	$C_8H_{14}O_2$	Butyl methacrylate, 200 mm.	117.7	Nonazeotrope			147
1372	$C_8H_{14}O_3$	2-Ethoxyethyl methacrylate, 200 mm.	134.3	Nonazeotrope			147
A =	$C_5H_8O_2$	**2,4-Pentanedione**	**140.2**				
1373	$C_5H_8O_2$	Isopropenyl acetate	96.5	Nonazeotrope			147
A =	C_5H_{10}	**Cyclopentane**	**49.4**				
1374	C_6H_6	Benzene	80.1	Nonazeotrope		v-l	230
1375	C_6H_{14}	2,2-Dimethylbutane	49.7	49.1	82.3		214
A =	C_5H_{10}	**3-Methyl-1-butene**	**22.5**				
1376	C_5H_{12}	2-Methylbutane	27.6	Nonazeotrope			248
A =	C_5H_{10}	**2-Methyl-2-butene**	**37.7**				
1377	C_5H_{12}	Pentane	36.15	Nonazeotrope			248

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.% A		Ref.
A =	$C_5H_{10}O$	**3-Methyl-2-butanone**	**95.4**				
1378	C_6H_{12}	Cyclohexane	80.75	...	14.8		256
1379	C_7H_{16}	Heptane	98.4	...	48		256
A =	$C_5H_{10}O$	**2-Pentanone**	**102.35**				
1380	C_6H_{12}	Cyclohexane	80.75	...	5.0		256
A =	$C_5H_{10}O$	**3-Pentanone**	**102**				
1381	C_7H_{14}	Methylcyclohexane	101.15	...	40		256
1382	C_7H_{16}	Heptane	98.4	...	35		256
1383	C_8H_{16}	1,3-Dimethylcyclohexane	120.7	...	83		256
1384	C_8H_{18}	2,5-Dimethylhexane	109.4	...	60		256
A =	$C_5H_{10}O_2$	**Isopropyl Acetate**	**88.7**				
1385	C_6H_8O	2,5-Dimethylfuran	93.3	Nonazeotrope			334
A =	$C_5H_{10}O_2$	**Valeric Acid**	**186.35**				
1386	$C_7H_{15}NO$	N,N-Dimethylvaleramide, 100 mm.	141	145.8	30.8		295
A =	C_5H_{12}	**Pentane**	**36.15**				
1387	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	52, 229
1388	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope		v-l	231
1389	C_6H_{12}	Methylcyclopentane	72.0	Nonazeotrope		v-l	52, 231
1390	C_7F_{16}	Perfluoroheptane, crit. region	82.5	Azeotrope		v-l	155
1391	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		v-l	52, 231
A =	$C_5H_{12}O$	**Amyl Alcohol**	**137.8**				
1392	C_6H_6	Benzene	80.2	Nonazeotrope		v-l	344
1393	$C_6H_{10}O$	Methylcyclopentanone	138	Min. b.p.		87, 88,	314
1394	$C_6H_{14}N_2$	2,5-Dimethylpiperazine	164	Nonazeotrope			334
1395	C_8H_{18}	C_8 paraffins	120-130	Min. b.p.			314
1396	C_8H_{18}	Octane	125.75	121.8	...		314
1397	$C_{11}H_{24}O_2$	Diamyloxymethane	...	Nonazeotrope			334
A =	$C_5H_{12}O$	**Active Amyl Alcohol**	**128.5**				
1398	$C_5H_{12}O$	Isoamyl alcohol	131	Nonazeotrope		v-l	246
1399	C_6H_5Cl	Chlorobenzene	132	124.4	43		330
1400	C_6H_5FO	o-Fluorophenol	...	Nonazeotrope			330
1401	C_6H_7N	2-Picoline	129	132.8	49		330
1402	$C_6H_{10}O$	Mesityl oxide	129.5	Nonazeotrope			330
1403	C_7H_7F	o-Fluorotoluene	114	112.0	16		330
1404	C_7H_8	Toluene	111	109.9	12		330
1405	C_7H_9N	2,6-Lutidine	144	Nonazeotrope			330
1406	$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	125	124.1	21		330
1407	$C_7H_{15}N$	1,2-Dimethylpiperidine	128	130.3	...		330
1408	$C_7H_{15}N$	2,6-Dimethylpiperidine	128	130.7	54		330
1409	C_8H_{10}	Ethylbenzene	136	125.0	53		330
1410	C_8H_{18}	n-Octane	126.0	117.0	34		330
1411	C_9H_{20}	2,2,5-Trimethylhexane	124	115.5	29		330
A =	$C_5H_{12}O$	**Isoamyl Alcohol**	**131**				
1412	$C_5H_{12}S$	3-Methyl-1-butanethiol	116	115.6	22.89		181
1413	C_6H_5Cl	Chlorobenzene	132	123.9	38		330
1414	C_6H_5FO	o-Fluorophenol	...	Nonazeotrope			330
1415	C_6H_7N	2-Picoline	129	132.8	61		330
1416	$C_6H_{10}O$	Mesityl oxide	129.5	Nonazeotrope			330
1417	C_7H_n	C_7 hydrocarbons	95-120	Min. b.p.			314
1418	C_7H_7F	o-Fluorotoluene	114	112.1	14		330
1419	C_7H_8	Toluene	111	109.7	10	330,	371

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_5H_{12}O$	**Isoamyl Alcohol (continued)**	**131**				
1420	C_7H_9N	2,6-Lutidine, 70 mm.	...	Max. b.p.			330
		"	144	Nonazeotrope			330
1421	$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	125	124.5	8		330
1422	$C_7H_{15}N$	1,2-Dimethyl-piperidine	128	132.5	81		330
1423	$C_7H_{15}N$	2,6-Dimethyl-piperidine	128	132.6	76		330
1424	C_8H_{10}	Ethylbenzene	136	125.7	49		330
1425	C_8H_{18}	n-Octane	126	117.0	30		330
1426	C_9H_{20}	2,2,5-Trimethylhexane	124	116.0	26		330
A =	$C_5H_{12}O$	**2-Methyl-1-Butanol**	**128.9**				
1427	C_7H_n	C_7 hydrocarbons	95-120	Min. b.p.			314
1428	C_7H_8	Toluene	110.7	Min. b.p.			314
A =	$C_5H_{12}O$	**2-Methyl-2-butanol**	**101.7**				
1429	C_6H_6	Benzene	80.2	80.0	15		52
		" 715 mm.	...	...	4.95	v-l	272
1430	C_7H_8	Toluene	110.7	100.5	56		52
		" 715 mm.	...	...	32.5	v-l	272
A =	$C_5H_{12}O_3$	**2-(2-Methoxyethoxy) ethanol**	**192.95**				
1431	$C_8H_6Cl_2$	ar-Dichlorostyrene, 15 mm.	...	86-90	...		49
		" 29 mm.	...	100-101	...		49
1432	C_9H_{12}	p-Ethyltoluene	161.99	161.4	9 vol. %		291
1433	C_9H_{12}	m-Ethyltoluene	161.31	160.9	13 vol. %		291
1434	C_9H_{12}	o-Ethyltoluene	165.15	164.3	16 vol. %		291
1435	C_9H_{12}	1,2,3-Trimethyl-benzene	176.08	173.4	26 vol. %		291
1436	C_9H_{12}	1,2,4-Trimethyl-benzene	169.35	167.9	21 vol. %		291
1437	C_9H_{12}	Mesitylene	164.72	163.8	12 vol. %		291
1438	$C_{10}H_{14}$	Butylbenzene	183.27	177.9	32 vol. %		291
1439	$C_{10}H_{14}$	sec-Butylbenzene	173.30	170.7	16 vol. %		291
1440	$C_{10}H_{14}$	tert-Butylbenzene	169.11	167.6	13 vol. %		291
1441	$C_{10}H_{14}$	Isobutylbenzene	172.76	170.3	24 vol. %		291
1442	$C_{10}H_{14}$	m-Diethylbenzene	181.13	176.3	29 vol. %		291
1443	$C_{10}H_{14}$	p-Diethylbenzene	183.78	177.9	31 vol. %		291
1444	$C_{10}H_{14}$	5-Ethyl-m-xylene	183.75	177.9	30 vol. %		291
1445	$C_{10}H_{14}$	p-Cymene	177.10	173.3	22 vol. %		291
1446	$C_{10}H_{14}$	1,2,3,5-Tetramethyl-benzene	197.93	185.9	48 vol. %		291
1447	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope			98
1448	$C_{11}H_{16}$	tert-Amylbenzene	198.1	182.8	40 vol. %		291
1449	$C_{11}H_{22}$	tert-Amylcyclohexane	198.1	180.6	40 vol. %		291
1450	$C_{11}H_{24}$	n-Undecane	195.88	178.7	40 vol. %		291
1451	$C_{12}H_{26}$	n-Dodecane, 217 mm.	169.79	144.2	52 vol. %		291
1452	$C_{12}H_{26}$	2,2,4,4,6-Pentamethyl-heptane	185.6	173.6	30 vol. %		291
1453	$C_{12}H_{26}$	2,2,4,6,6-Pentamethyl-heptane	177.9	168.9	23 vol. %		291
1454	$C_{13}H_{26}$	1-Tridecene	232.78	191.6	70 vol. %		291
A =	$C_6F_{12}O$	**Perfluorocyclic Ether**	...				
1455	C_6F_{14}	Perfluorohexane, 25°	...	Nonazeotrope		v-l	237
A =	C_6F_{14}	**Perfluorohexane**	...				
1456	C_6H_{14}	Hexane, 325 mm.	...	25	83.4	v-l	79
		" 479 mm.	...	35	83.7	v-l	79
		" 689 mm.	...	45	80.0	v-l	79

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_6F_{14}	**Perfluorohexane (continued)**	...				
1457	$C_{12}F_{27}N$	Tris(perfluorobutyl) amine, 25°	...	Nonazeotrope		v-l	237
A =	$C_6H_3Cl_3$	**1,2,4-Trichlorobenzene**	...				
1458	$C_9H_6N_2O_2$	2,4-Tolylene diisocyanate, 40 mm.	...	Nonazeotrope		v-l	119
A =	$C_6H_4Cl_2$	**o-Dichlorobenzene**	**67.0/15**				
1459	$C_9H_6O_2N_2$	2,4-Tolylene diisocyanate, 15 mm.	128.7	Nonazeotrope			147
1460	$C_{15}H_{10}O_2N_2$	Di-p-isocyanatodiphenylmethane, 5 mm.	192.0	Nonazeotrope			147
A =	C_6H_5Br	**Bromobenzene**	**156.1**				
1461	$C_6H_{12}O$	Cyclohexanol, 250 mm.	127.0	113.6	85.5	v-l	318
		" 500 mm.	144.4	136.8	81.5	v-l	318
		" 730 mm.	158.6	150.6	74.8	v-l	318
A =	C_6H_5Cl	**Chlorobenzene**	**131.8**				
1462	C_6H_{14}	n-Hexane	68.95	Nonazeotrope			52
1463	$C_9H_6N_2O_2$	2,4-Tolylene diisocyanate, 40 mm.	...	Nonazeotrope		v-l	119
A =	C_6H_5F	**Fluorobenzene**	**84.9**				
1464	C_6H_6	Benzene	80.1	Ideal system		v-l	12
A =	$C_6H_5NO_2$	**Nitrobenzene**	**210.85**				
1465	C_6H_{12}	Cyclohexane	80.75	Nonazeotrope			52
A =	C_6H_6	**Benzene**	**80.1**				
1466	C_6H_{12}	Cyclohexane	80.75	77.6	51.2	v-l	44, 191, 343
		"	80.75	77.4	52.5		74, 111
		" 128 mm.	...	28.4	47.6		316
		" 155 mm.	...	33.1	48.0		316
		" 287 mm.	...	48.3	49.3		316
		" 307 mm.	...	50.4	49.4		316
		" 495 mm.	...	63.7	50.8		316
		" 602 mm.	...	69.8	51.3		316
		" 760 mm.	...	77.56	51.9		316
		" 14.7 p.s.i.a.	...	77.4	50.2	v-l	321
		" 66.7 p.s.i.a.	...	137.1	61.5	v-l	321
		" 118.0 p.s.i.a.	...	165.8	67.0	v-l	321
		" 186.8 p.s.i.a.	...	193.0	71.5	v-l	321
		" 66.7 p.s.i.a.	...	...	59.7	v-l	276
		" 116.5 p.s.i.a.	...	...	64.9	v-l	276
		" 165.9 p.s.i.a.	...	...	67.6	v-l	276
		" 217.0 p.s.i.a.	...	...	71	v-l	276
		" 268.7 p.s.i.a.	...	...	74	v-l	276
1467	C_6H_{12}	Methylcyclopentane	71.85	71.7	16	v-l	230
1468	$C_6H_{12}O$	4-Methyl-2-pentanone, 450-760 mm.	...	Nonazeotrope		v-l	66
1469	C_6H_{14}	Hexane	68.95	Nonazeotrope		v-l	229
		" 4-18 atm.	...	Nonazeotrope		v-l	276
1470	C_7F_{14}	Perfluoromethylcyclohexane	73-78	59	...		51
1471	C_7F_{16}	Perfluoroheptane	83	61	...		51
1472	C_7H_{14}	Methylcyclohexane	101.05	Nonazeotrope		v-l	230
1473	C_7H_{16}	2,3-Dimethylpentane	89.79	79.4	78.8	v-l	190
1474	C_7H_{16}	2,4-Dimethylpentane	81	>75	48.4		51
1475	C_7H_{16}	Heptane, 180-450 mm.	...	Nonazeotrope		v-l	240
		"	98.4	Nonazeotrope		v-l	229

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_6H_6	**Benzene (continued)**	**80.1**				
1476	$C_8F_{18}O$	Perfluorobutyl ether	100	68	...		51
1477	C_8H_{18}	Octane	125.75	Nonazeotrope			52
1478	C_8H_{18}	2,2,4-Trimethyl-pentane, 35°-75° C.	...	Nonazeotrope		v-l	345
1479	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6	Nonazeotrope			334
A =	C_6H_6O	**Phenol**	**181.42**				
1480	$C_6H_{10}O$	Cyclohexanone, 50 mm.	73	...	71.5		76
		"	155.6	Azeotropic			57
		" 50 mm.	...	Max. b.p.	75.8		334
1481	$C_6H_{10}O_4$	Ethylene diacetate	189.86	195.53	39.2		253
1482	$C_6H_{12}O$	Cyclohexanol, 60 mm.	...	111	70		76
		" 70 mm.	...	111	73		57
		" 90 mm.	...	120	70	v-l	57
		" 200 mm.	...	140	71		76
		"	160.65	180	87		76
1483	$C_8H_8O_2$	Phenyl acetate	195.14	195.89	8.9		253
1484	$C_8H_{18}O$	2-Ethyl-1-hexanol, 25 mm.	...	95.6	95		34, 335
1485	C_9H_{10}	α-Methylstyrene	...	162	7		303
1486	C_9H_{12}	Cumene	152.8	149	2		76
1487	C_9H_{12}	Propylbenzene	158.9	158.5	14		324
1488	$C_9H_{14}SiO$	(Trimethylsiloxy) benzene	181.9	175.5	...		193
A =	$C_6H_6O_2$	**Pyrocatechol**	**245.9**				
1489	$C_{12}H_{18}$	1,3,5-Triethylbenzene	215.5	214.7	8.9		324
A =	C_6H_7N	**Aniline**	**184.35**				
1490	$C_6H_{12}O$	Cyclohexanol	...	Nonazeotrope		v-l	242
1491	$C_6H_{13}N$	Cyclohexylamine	134	Nonazeotrope			147, 242
1492	C_6H_{14}	Hexane, 556-731 mm.	...	Nonazeotrope		v-l	356
1493	C_7H_8	Toluene	110.7	...	...	v-l	138
1494	C_7H_9N	N-Methylaniline, 95°-145°	...	Nonazeotrope		v-l	59
1495	C_7H_{16}	Heptane	98.4	...	...	v-l	138
1496	$C_8H_{11}N$	N,N-Dimethylaniline, 36.7 mm.	...	95	74.5	v-l	59
		" 101.4 mm.	...	120	76.1	v-l	59
		" 243.1 mm.	...	145	77.5	v-l	59
1497	C_8H_{18}	Iso-octane, 86-741 mm.	...	Nonazeotrope		v-l	356
1498	$C_{10}H_{14}$	p-Cymene, 50 mm.	...	...	21.3	v-l	92
		" 100 mm.	...	106.3	23	v-l	92
		" 300 mm.	...	...	...	v-l	92
		" 500 mm.	...	...	...	v-l	92
		" 760 mm.	...	172.80	31.3	v-l	92
A =	C_6H_7N	**2-Picoline**	**128.8**				
1499	$C_6H_{12}O_3$	Paraldehyde	124.5	Nonazeotrope			334
1500	C_8H_{18}	Octane	125.75	121.12	42		369
1501	C_9H_{20}	Nonane	150.7	129.2	84.1		369
A =	C_6H_7N	**3-Picoline**	**144**				
1502	C_7H_9N	2,6-Lutidine	144.06	143.5	27.3	v-l	27
A =	C_6H_8ClN	**Aniline Hydrochloride**	...				
1503	$C_{12}H_{11}N$	Diphenylamine, 100 mm.	...	...	45.8		153
		" 250 mm.	...	...	48		153
		" 350 mm.	265	215	50		153
		" 740 mm.	...	233	65		153
		" 2500 mm.	...	270	...		153

	B-Component			Azeotropic Data		
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.% A	Ref.
A =	$C_6H_8N_2$	**2-Amino-3-methylpyridine**	**221**			
1504	$C_{11}H_{10}$	1-Methylnaphthalene, 20 mm.	...	115	68.2	98, 99
		" 50 mm.	...	136	75.2	98, 99
		" 150 mm.	...	166	89.7	98, 99
		" 290 mm.	...	187	96.4	98, 99
		" 400 mm.	...	198	98.7	98, 99
		" 760 mm.	244.8	Nonazeotrope		98, 99
1505	$C_{11}H_{10}$	2-Methylnaphthalene, 16 mm.	...	109	57.5	98, 99
		" 50 mm.	...	137	69.5	98, 99
		" 150 mm.	...	165	76.8	98, 99
		" 400 mm.	...	196	92	98, 99
		" 550 mm.	...	209	96	98, 99
		" 760 mm.	241.1	Nonazeotrope		98, 99
A =	$C_6H_{10}O$	**Cyclohexanone**	**155.6**			
1506	$C_6H_{12}O$	Cyclohexanol, 100 mm.	...	Nonazeotrope		v-l 57
A =	$C_6H_{10}O$	**Mesityl Oxide**	**128.3**			
1507	$C_6H_{12}O$	4-Methyl-2-pentanone	116.2	Nonazeotrope		334
1508	$C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone	169.2	Nonazeotrope		334
1509	$C_7H_{12}O$	3-Hepten-2-one	162.9	Nonazeotrope		334
1510	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope		334
1511	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope		334
A =	C_6H_{12}	**Cyclohexane**	**80.85**			
1512	$C_6H_{12}O$	Cyclohexanol	161.1	Nonazeotrope		334
1513	$C_6H_{12}O$	4-Methyl-2-pentanone, 450-760 mm.	...	Nonazeotrope		v-l 66
1514	$C_6H_{13}N$	Cyclohexylamine	...	Nonazeotrope		v-l 242
1515	C_6H_{14}	Hexane	68.95	Nonazeotrope		v-l 231
1516	C_7H_8	Toluene	110.7	Nonazeotrope		v-l 230
1517	C_7H_{16}	2,4-Dimethylpentane	80.5	80.2	48.6	214
1518	C_7H_{16}	Heptane	98.4	...	...	v-l 52, 231
1519	C_7H_{16}	2,2,3-Trimethylbutane	80.8	80.0	46.6	214
A =	C_6H_{12}	**Methylcyclopentane**	**71.72**			
1520	C_6H_{14}	Hexane, 200-760 mm.	68.95	Nonazeotrope		v-l 85, 231
1521	C_7H_8	Toluene	110.7	Nonazeotrope		v-l 230
A =	$C_6H_{12}O$	**Cyclohexanol**	**161**			
1522	$C_7H_{12}O_2$	Cyclohexyl formate, 50 mm.	...	79.4	50	147
1523	$C_8H_{14}O$	Cyclohexyl vinyl ether, 45 mm.	...	71-80	21	341
A =	$C_6H_{12}O$	**4-Methyl-2-pentanone**	**116.2**			
1524	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope		334
1525	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope		334
A =	$C_6H_{12}O_2$	**Butyl Acetate**	**126.1**			
1526	$C_6H_{12}O_2$	sec-Butyl acetate	112.2	Nonazeotrope		334
1527	$C_6H_{14}O_2$	2-Butoxyethanol	171.1	Nonazeotrope		334
1528	$C_8H_{18}O$	Butyl ether	142.1	125.9	95	334

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_6H_{12}O_2$	**Hexanoic Acid**	**205.15**				
1529	$C_8H_{16}O_2$	Octanoic acid, 20-100 mm.	...	Nonazeotrope		v-l	289
1530	$C_8H_{17}NO$	N,N-Dimethylhexanamide, 100 mm.	...	Max. b.p.			
A =	$C_6H_{12}O_2$	**4-Hydroxy-4-methyl 2-Pentanone**	**166**				
1531	C_9H_{12}	x-Ethyltoluene, 20 mm.	...	<80	25		353
A =	$C_6H_{12}SO_2$	**2,4-Dimethylsulfolane**	...				
1532	$C_{15}H_{18}$	Amyl naphthalene, 20 mm.	...	151	75		225
1533	$C_{16}H_{34}$	Hexadecane, 20 mm.	...	142	75		225
A =	$C_6H_{12}O_3$	**2-Ethoxyethyl Acetate**	**156.2**				
1534	C_7H_8	Toluene	110.6	Nonazeotrope			334
A =	$C_6H_{12}O_3$	**Paraldehyde**	**124**				
1535	C_8H_{10}	m-Xylene	139	Nonazeotrope			113
1536	C_8H_{10}	p-Xylene	138.4	Nonazeotrope			113
A =	C_6H_{14}	**Hexane**	**68.95**				
1537	C_7F_{16}	Perfluoroheptane, crit. region	...	Azeotropic		v-l	155
1538	C_7H_8	Toluene	110.7	Nonazeotrope			52
		" 150-760 mm.	...	Nonazeotrope		v-l	229
1539	C_7H_{14}	Methylcyclohexane	101.15	Nonazeotrope		v-l	52, 231
A =	$C_6H_{14}O$	**2-Ethyl-1-butanol**	**147.0**				
1540	$C_8H_{16}O$	2-Ethylhexaldehyde	163.6	Nonazeotrope			334
1541	$C_8H_{17}Cl$	3-(Chloromethyl) heptane, 50 mm.	89	77	61		335
		" 100 mm.	106.9	92	68		335
A =	$C_6H_{14}O$	**Hexyl Alcohol**	**157.1**				
1542	$C_8H_{16}O_2$	2-Ethylbutyl acetate	162.3	154.4	72.5		335
A =	$C_6H_{14}O$	**Isopropyl Ether**	**68.3**				
1543	$C_6H_{14}O_2$	1,2-Diethoxyethane	121.1	Nonazeotrope			334
A =	$C_6H_{14}O$	**4-Methyl-2-pentanol**	**131.8**				
1544	$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate	146.1	Nonazeotrope			334
A =	$C_6H_{14}OS$	**2-Butylthioethanol**	...				
1545	$C_8H_{16}OS$	2-Butylthioethyl vinyl ether	...	Min. b.p.			329
A =	$C_6H_{14}O_2$	**2-Butoxyethanol**	**171.2**				
1546	C_9H_{12}	Cumene	152.4	151.7	10.3		168
1547	C_9H_{16}	cis-Hexahydroindan	167.7	159.9	38 vol. %		291
1548	$C_{10}H_{14}$	Butylbenzene	183.4	169.6	73.4		168
1549	$C_{10}H_{14}$	sec-Butylbenzene	173.3	166.0	47.9		168
1550	$C_{10}H_{14}$	tert-Butylbenzene	169.1	164.4	39.1		168
1551	$C_{10}H_{14}$	p-Cymene	177.2	167.4	56.6		168
1552	$C_{10}H_{20}$	n-Butylcyclohexane	180.95	165.6	56 vol. %		291
1553	$C_{10}H_{20}$	sec-Butylcyclohexane	179.3	165.1	53 vol. %		291
1554	$C_{10}H_{20}$	Isobutylcyclohexane	171.3	161.5	40 vol. %		291
1555	$C_{10}H_{20}$	cis-1-Methyl-4-isopropylcyclohexane	172.7	162.0	45 vol. %		291
1556	$C_{10}H_{20}$	trans-1-methyl-4-isopropylcyclohexane	170.5	160.9	41 vol. %		291

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_6H_{14}O_2$	**2-Butoxyethanol (continued)**	**171.2**				
1557	$C_{10}H_{22}$	3,3,5-Trimethylheptane	155.5	151.6	23 vol. %		291
A =	$C_6H_{14}O_2$	**Hexylene Glycol**	...				
1558	C_8H_{10}	Ethylbenzene, 400 mm.	...	Nonazeotrope		v-l	271
1559	C_8H_{16}	Ethylcyclohexane, 400 mm.	...	Nonazeotrope		v-l	271
A =	$C_6H_{14}O_3$	**Dipropylene Glycol**	...				
1560	$C_{10}H_8$	Naphthalene	218.1	142.9	12.4	v-l	204
1561	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope			98
A =	$C_6H_{14}O_3$	**2-(2-Ethoxyethoxy) ethanol**	**202.8**				
1562	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether	188.4	Nonazeotrope			334
		" 10 mm.	72	Nonazeotrope			334
1563	$C_{11}H_{10}$	2-Methylnaphthalene	241.1	Nonazeotrope			98
A =	$C_6H_{14}O_3$	**Triethylene Glycol**	**288.7**				
1564	$C_{12}H_9N$	Carbazole	294	Nonazeotrope			100
		" Low press.	...	Min. b.p.			100
1565	$C_{12}H_{10}O$	Phenyl ether, 4 mm.	102	Nonazeotrope			334
1566	$C_{13}H_{10}$	Fluorene	294	Nonazeotrope			100
		" High press.	...	Min. b.p.			100
1567	$C_{14}H_{10}$	Phenanthrene, Low press.	340	Min. b.p.			100
		Glycol decreases with decreasing pressure					
1568	$C_{14}H_{14}O$	Benzyl ether, 5 mm.	145.5	...	28		335
A =	$C_6H_{15}NO_2$	**1,1'-Iminodi-2-propanol**	**133/10**				
1569	$C_9H_{21}NO_3$	1,1',1"-Nitrilotri-2-propanol, 10 mm.	177	Nonazeotrope			334
A =	C_7F_{16}	**Perfluoroheptane**	**82.5**				
1570	C_7H_{16}	Heptane, crit. region	...	Azeotropic		v-l	155
1571	$C_8F_{16}O$	Perfluorocyclic oxide	102.6	Nonazeotrope		v-l	354
1572	C_8H_{18}	Octane, crit. region	...	Azeotropic		v-l	155
1573	C_9H_{20}	Nonane, crit. region	...	Nonazeotrope		v-l	155
A =	$C_7H_6O_2$	**Benzoic Acid**	**189/100 mm.**				
1574	$C_{12}H_{10}O$	Phenyl ether, 100 mm.	181	176.5	27		76
A =	C_7H_8	**Toluene**	**110.7**				
1575	C_7H_8O	p-Cresol	201.7	Nonazeotrope		v-l	213
1576	C_7H_{14}	Methylcyclohexane	101.1	Nonazeotrope		v-l	114, 309
		" 60°-100° C.	...	Evaporation data			297
1577	C_7H_{16}	Heptane	98	Evaporation data		v-l	114
1578	$C_8H_{11}N$	2-Methyl-5-ethylpyridine	178.3	Nonazeotrope			334
1579	C_8H_{18}	Iso-octane	...	Nonazeotrope		v-l	266
1580	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope		v-l	52
1581	$C_{10}H_{22}O$	Decyl alcohol (isomers)	217.3	Nonazeotrope			334
1582	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5	Nonazeotrope			334
A =	C_7H_8O	**Benzyl Alcohol**	**205.2**				
1583	$C_9H_{10}O$	Benzyl vinyl ether, 25 mm.	...	103	-		341
A =	C_7H_8O	**m-Cresol**	**202.2**				
1584	$C_9H_{10}O_2$	Ethyl benzoate	212.4	...	26.6		112

	B-Component			Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_7H_8O	o-Cresol	191				
1585	$C_8H_{11}N$	s-Collidine	171.30	197.20	63.0		188
A =	C_7H_8O	x-Cresol	202				
1586	C_7H_9N	Pyridine bases	163	204.9	78		367
1587	C_7H_9N	Pyridine bases	157	204.4	80		367
1588	C_7H_9N	Pyridine bases	142-5	202.5	90		367
A =	C_7H_8O	m,p-Cresols	202				
1589	$C_{10}H_8$	Naphthalene	218.1	202	71.8		212
1590	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			98
A =	C_7H_8O	p-Cresol	201.7				
1591	$C_9H_{10}O_2$	Ethyl benzoate	212.4	...	24.5		112
A =	C_7H_9N	N-Methylaniline	196.25				
1592	$C_8H_{11}N$	N,N-Dimethyl-aniline, 95°-145°	...	Nonazeotrope		v-l	59
A =	C_7H_9N	2,6-Lutidine	143.41				
1593	$C_{10}H_{22}$	Decane	174.0	Nonazeotrope		v-l	358
A =	C_7H_9N	o-Toluidine	200.7				
1594	$C_{11}H_{17}N$	Diethyl-o-toluidine, 20 mm.	...	95.8	48		173
A =	C_7H_{14}	Methylcyclohexane	100.93				
1595	C_7H_{16}	Heptane	98	Nonazeotrope		v-l	114, 309
1596	$C_8F_{16}O$	Perfluorocyclic oxide	102.5	85	40 vol. %		207
A =	$C_7H_{14}O_2$	Heptanoic Acid	222.0				
1597	$C_9H_{19}NO$	N,N-Dimethylheptan-amide	...	Max. b.p.			295
A =	C_7H_{16}	Heptane	98				
1598	$C_8F_{18}O$	Perfluorobutyl ether	100	Min. b.p.			50
1599	C_8H_{10}	Ethylbenzene	136.15	Nonazeotrope			52
		" 100-760 mm.	...	Nonazeotrope		v-l	229
1600	C_8H_{18}	2,2,4-Trimethylpentane	99.3	Nonazeotrope			52
A =	$C_7H_{16}O_3$	Dipropylene Glycol Methyl Ether	...				
1601	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			98
A =	$C_8F_{16}O$	Perfluorocyclic Oxide	102.5				
1602	C_8H_{16}	Ethylcyclohexane	131.78	96.3	80 vol. %		207
1603	C_8H_{18}	2,2,4-Trimethylpentane	99.24	87.5	60 vol. %		207
1604	C_9H_{20}	2,3,4-Trimethylhexane	131.34	98.4	80 vol. %		207
A =	$C_8H_5Cl_3$	ar-Trichlorostyrene	...				
1605	$C_9H_{20}O_3$	2-(2-Isoamyloxyethoxy) ethanol, 6.7 mm.	...	101	...		49
A =	C_8H_8	Styrene	145				
1606	C_8H_{10}	Ethylbenzene, 10-100 mm.	...	Nonazeotrope		v-l	40, 110
		" 30°-120° C.	...	Nonazeotrope		v-l	156
1607	C_8H_{10}	Xylene, 20 mm.	50	Nonazeotrope			334
A =	$C_8H_8O_3$	Methyl Salicylate	222.3				
1608	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			98

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	C_8H_{10}	**Ethylbenzene**	**136.15**				
1609	C_8H_{16}	Ethylcyclohexane, 400 mm.	...	Nonazeotrope		v-l	271
1610	C_8H_{16}	1-Octene	121.6	Nonazeotrope		v-l	342
1611	C_8H_{18}	Octane	125.75	Nonazeotrope			52
1612	C_9H_{12}	Cumene	152.4	Nonazeotrope			334
1613	C_9H_{20}	Nonane	150.7	Nonazeotrope			363
1614	C_9H_{20}	2,2,5-Trimethylhexane	120.1	Nonazeotrope		v-l	342
A =	C_8H_{10}	**m-Xylene**	**139**				
1615	$C_8H_{18}O$	2-Ethyl-1-hexanol	184.8	Nonazeotrope			334
1616	$C_9H_{18}O$	2-Ethylheptanal	...	139.0	96.1		52
A =	C_8H_{10}	**o-Xylene**	**143.6**				
1617	C_9H_{20}	Nonane	150.7	144.25	81		372
A =	C_8H_{10}	**p-Xylene**	**138.4**				
1618	C_8H_{18}	Octane	125.75	Nonazeotrope			52
A =	$C_8H_{14}O_3$	**Bis(2-vinyloxyethyl) Ether**	**196.5/10 mm.**				
1619	$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether, 10 mm.	187.8	Nonazeotrope		v-l	69
A =	$C_8H_{16}O_2$	**1,3-Dimethylbutyl Acetate**	**146.1**				
1620	$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	169.4	Nonazeotrope			334
A =	$C_8H_{16}O_2$	**2-Ethylhexanoic Acid**	...				
1621	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	...	<50		98
A =	$C_8H_{16}O_2$	**Octanoic Acid**	**238.5**				
1622	$C_{10}H_{21}NO$	N,N-Dimethyloctanamide, 100 mm.	187	190	26.0		295
A =	$C_8H_{16}O_3$	**2-(2-Ethoxyethoxy) Ethyl Acetate**	...				
1623	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			98
A =	$C_8H_{17}Cl$	**3-(Chloromethyl) heptane**	**106.9/100 mm.**				
1624	$C_8H_{18}O$	2-Ethyl-1-hexanol, 100 mm.	124.8	106	98		335
A =	$C_8H_{18}Cl_2Sn$	**Dibutyltin Dichloride**	**157/17**				
1625	$C_{12}H_{27}ClSn$	Tributyltin chloride, 17 mm.	166	Nonazeotrope			334
A =	$C_8H_{18}O$	**Butyl Ether**	**142.1**				
1626	$C_8H_{18}O$	2-Ethyl-1-hexanol	184.8	Nonazeotrope			334
A =	$C_8H_{18}O$	**2-Ethyl-1-hexanol**	**184.8**				
1627	C_9H_{20}	Nonane	150.8	Nonazeotrope			334
1628	$C_{10}H_{20}O_2$	2-Ethylhexyl acetate	198.4	Nonazeotrope			334
1629	$C_{11}H_{25}N$	(2-Ethylhexyl) propylamine, 50 mm.	147	Nonazeotrope			334
A =	$C_8H_{18}O$	**Octyl Alcohol**	**195.15**				
1630	$C_{10}H_{20}O$	Octyl vinyl ether, 5 mm.	64	64	17		341
A =	$C_8H_{18}OS$	**2-Hexylthioethanol**	...				
1631	$C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether	...	Min. b.p.			329

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_8H_{18}O_2$	**2-Ethyl-1,3-hexanediol**	**243.1**				
1632	$C_{16}H_{34}O$	Bis(2-ethylhexyl)ether, 10 mm.	135	123	40		335
		"	269.8	241	-		335
A =	$C_8H_{18}O_3$	**2-(2-Butoxyethoxy) ethanol**	**231.2**				
1633	$C_{10}H_8$	Naphthalene, 100 mm.	144.35	Nonazeotrope		v-l	144
1634	$C_{11}H_{10}$	1-Methylnaphthalene, 20 mm.	...	...	46.8		98
		" 100 mm.	...	...	64.3		98
		" 200 mm.	...	...	74		98
1635	$C_{11}H_{10}$	2-Methylnaphthalene, 20 mm.	...	...	38		98
		" 100 mm.	...	...	53.5		98
		"	241.15	...	82		98
1636	$C_{12}H_{26}$	Dodecane, 100 mm.	146.2	142.6	34	v-l	144
1637	$C_{15}H_{30}$	1-Pentadecene, 217 mm.	183.7	185.16	87 vol. %		291
A =	$C_9F_{21}N$	**Tris(perfluoropropyl) amine**	**130**				
1638	C_9H_{12}	Cumene	152	116	...		51
A =	$C_9H_6N_2O_2$	**2,4-Tolylene Diisocyanate**	...				
1639	$C_9H_6N_2O_2$	2,6-Tolylene diisocyanate, 5-60 mm.	...	Nonazeotrope		v-l	53
A =	C_9H_7N	**Isoquinoline**					
1640	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	...	<50		98
A =	C_9H_7N	**Quinoline**	**237.3**				
1641	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	...	>50		98
A =	$C_9H_{10}O_3$	**Ethyl Salicylate**	**233.7**				
1642	$C_{12}H_{10}O$	Phenyl ether, 5 mm.	...	Nonazeotrope		v-l	118
		" 50 mm.	...	Nonazeotrope		v-l	118
		" 180 mm.	...	Nonazeotrope		v-l	118
A =	C_9H_{12}	**Cumene**	...				
1643	$C_{12}F_{27}N$	Tris(perfluorobutyl) amine	177	138	...		51
A =	C_9H_{12}	**Mesitylene**	**164.7**				
1644	C_9H_{12}	1,2,4-Trimethylbenzene	169.2	Nonazeotrope			96
A =	$C_9H_{12}OS$	**2-Benzylthioethanol**	...				
1645	$C_{11}H_{14}OS$	2-Benzylthioethyl vinyl ether	...	Min. b.p.			329
A =	$C_9H_{14}O$	**Isophorone**	...				
1646	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	Nonazeotrope			98
A =	C_9H_{18}	**Propycyclohexane**	**156.72**				
1647	$C_{12}F_{27}N$	Perfluorotributylamine	178.4	145.4	55 vol. %		207
A =	C_9H_{20}	**Nonane**	**151**				
1648	$C_{12}F_{27}N$	Perfluorotributylamine	177	Min. b.p.			50

	B-Component			Azeotropic Data			
	No. Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_9H_{20}O$	**2,6-Dimethyl-4-heptanol**	**104/52**				
1649	$C_{12}H_{24}$	2,6,8-Trimethyl-nonene, 8 mm.	...	56	18		334
		" 52 mm.	...	95	32		334
A =	$C_9H_{20}O_4$	**Tripropylene Glycol**	...				
1650	$C_{12}H_9N$	Carbazole	294	Nonazeotrope			100
		" Low press.	...	Min. b.p.			100
1651	$C_{13}H_{10}$	Fluorene, high press.	...	Min. b.p.			100
		" Low press.	...	Nonazeotrope			100
1652	$C_{14}H_{10}$	Phenanthrene	-	Min. b.p.			100
		"		% glycol decreases with decreasing pressure			100
A =	$C_{10}H_8$	**Naphthalene**	**218.1**				
1653	$C_{12}H_{26}$	Dodecane, 100 mm.	...	140.2	59.2	v-l	144, 204
A =	$C_{10}H_{18}$	**Decahydronaphthalene**	...				
1654	$C_{10}H_{22}$	Decane, 10 mm.	...	Nonazeotrope		v-l	309
		" 20 mm.	...	Nonazeotrope		v-l	309
		" 50 mm.	...	Nonazeotrope		v-l	309
A =	$C_{10}H_{18}O$	**Menthone**	**209.5**				
1655	$C_{10}H_{20}O$	Menthol, 5 mm.	...	Nonazeotrope		v-l	118
		" 50 mm.	...	Nonazeotrope		v-l	118
		" 180 mm.	...	Nonazeotrope		v-l	118
A =	$C_{10}H_{22}$	**3,3,5-Trimethyl-heptane**	**155.68**				
1656	$C_{12}F_{27}N$	Perfluorotributyl-amine	178.4	147.3	55 vol. %		207
A =	$C_{10}H_{22}O$	**Decyl Alcohol**	**232.9**				
1657	$C_{12}H_{26}O$	Dodecyl alcohol, 20, 50, 100, 300 mm.	...	Ideal system		v-l	290
A =	$C_{10}H_{22}OS$	**2-(2-Ethylhexylthio) ethanol**	...				
1658	$C_{12}H_{24}OS$	2-(2-Ethylhexylthio) ethyl vinyl ether	...	Min. b.p.			329
A =	$C_{10}H_{22}O_4$	**Tripropylene Glycol Methyl Ether**	...				
1659	$C_{11}H_{10}$	2-Methylnaphthalene	241.15	...	<50		98
A =	$C_{11}H_{10}$	**1-Methylnaphthalene**	**244.8**				
1660	$C_{11}H_{24}O$	5-Ethyl-2-nonanol, 19 mm.	...	121	41.4		98, 99
		" 50 mm.	...	143	25.2		98, 99
		" 150 mm.	...	173	5.25		98, 99
		" 200 mm.	...	179.5	2		98, 99
		" 400 mm.	...	Nonazeotrope			98, 99
A =	$C_{11}H_{10}$	**2-Methylnaphthalene**	**241.1**				
1661	$C_{11}H_{24}O$	5-Ethyl-2-nonanol, 20 mm.	...	120	49.8		98, 99
		" 50 mm.	...	140.5	36.0		98, 99
		" 90 mm.	...	157	24.5		98, 99
		" 200 mm.	...	181.5	9.0		98, 99
		" 300 mm.	...	193.5	3.5		98, 99
		" 400 mm.	...	Nonazeotrope			98, 99

		B-Component		Azeotropic Data			
No.	Formula	Name	B.P., °C.	B.P., °C.	Wt.%A		Ref.
A =	$C_{12}H_9N$	**Carbazole**	**355**				
1662	$C_{14}H_{30}O$	Tetradecanol	...	Nonazeotrope			100
		" Low press.	...	Min. b.p.			100
1663	$C_{17}H_{36}O$	Heptadecanol	...	Nonazeotrope			100
		" Low press.	...	Min. b.p.			100
A =	$C_{12}H_{10}$	**Biphenyl**	**255.9**				
1664	$C_{24}H_{38}O_4$	Dioctyl phthalate, 10 mm.	248	Nonazeotrope			334
A =	$C_{12}H_{24}$	**2,6,8-Trimethylnonene**	...				
1665	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol, 50 mm.	137	Nonazeotrope			334
		" 10 mm.	103	Nonazeotrope			334
A =	$C_{12}H_{26}$	**Dodecane**	**216**				
1666	$C_{16}H_{34}$	Hexadecane, 10-760 mm.	...	Nonazeotrope		v-l	163
A =	$C_{13}H_{10}$	**Fluorene**	**294**				
1667	$C_{14}H_{30}O$	Tetradecanol, Low press.	...	Nonazeotrope			100
		" High press.	...	Min. b.p.			100
1668	$C_{17}H_{36}O$	Heptadecanol, Low press.	...	Nonazeotrope			100
		" High press.	...	Min. b.p.			100
A =	$C_{14}H_{10}$	**Phenanthrene**	**340**				
1669	$C_{14}H_{30}O$	Tetradecanol	...	% Phenanthrene increases with pressure; min. b.p.			100
1670	$C_{17}H_{36}O$	Heptadecanol	...	% Phenanthrene increases with pressure; min. b.p.			100
A =	$C_{16}H_{32}O_2$	**Palmitic Acid**	...				
1671	$C_{18}H_{36}O_2$	Stearic acid, 5 mm.	...	...	...	v-l	139
A =	$C_{18}H_{34}O_2$	**Oleic Acid**	...				
1672	$C_{18}H_{34}O_3$	Ricinoleic acid, 5 mm.	...	...	...	v-l	139
1673	$C_{18}H_{36}O_2$	Stearic acid, 5 mm.	...	...	...	v-l	139
1674	$C_{20}H_{30}O_2$	Abietic acid, 1-10 mm.	...	Nonazeotrope		v-l	166

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Table II. Ternary Systems

No.	A-Component Formula	A-Component Name	A-Component B.P., °C.	B-Component Formula	B-Component Name	B-Component B.P., °C.	C-Component Formula	C-Component Name	C-Component B.P., °C.	Azeotropic Data B.P., °C.	Composition, Wt. % A	B	C		Ref.
1675	A	Argon	-185.7	N_2	Nitrogen	-195.8	O_2	Oxygen	-183	...	Nonazeotrope			v-1	97,194
1676[a]	CO	Carbon monoxide	-192	H_2	Hydrogen	-252.7	N_2	Nitrogen	-195.8					v-1	2
1677	ClF_3	Chlorine trifluoride	...	FH	Hydrogen fluoride	19.4	F_6U	Uranium hexafluoride	56	...	Nonazeotrope			v-1	91,292
1678	ClH	Hydrogen chloride	-85	C_5H_5N	Pyridine	115.5	$C_{10}H_8$	Naphthalene	218.1	189.6	...	...	...		322
1679	HF	Hydrogen fluoride	19.5	H_2O	Water	100	$C_4HF_7O_2$	Perfluorobutyric acid	...	108	12	28	60		222
1680	HNO_3	Nitric acid	...	H_2O	Water	100	$CHCl_3$	Chloroform	61	...	92	3	5		258
1681	H_2O	Water	100	SO_2	Sulfur dioxide	-10	C_2H_4O	Acetaldehyde	20.2					v-1	273
1682	H_2O	Water	100	$CHCl_3$	Chloroform	61	CH_2O_2	Formic acid	100.75		Nonazeotrope			v-1	56
1683	H_2O	Water	100	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7	52.6	4	81	15		335
1684	H_2O	Water	100	$CHCl_3$	Chloroform	61	C_2H_3N	Acetonitrile	81.6		Nonazeotrope				334
1685	H_2O	Water	100	$CHCl_3$	Chloroform	61	$C_2H_4O_2$	Acetic acid	118.1		Nonazeotrope			v-1	56
1686[b]	H_2O	Water	100	$CHCl_3$	Chloroform	61	C_2H_6O	Ethyl alcohol	78.3	78.0	3.9	91.2	4.9		335
1687	H_2O	Water	100	$CHCl_3$	Chloroform	61	C_4H_8O	2-Butanone	79.6		Nonazeotrope				334
1688	H_2O	Water	100	CH_2O_2	Formic acid	100.75	$C_2H_4O_2$	Acetic acid	118.1		Nonazeotrope			v-1	56
1689	H_2O	Water	100	CH_2O_2	Formic acid	100.75	C_5H_5N	Pyridine	115.5		Nonazeotrope			v-1	360
1690	H_2O	Water	100	CH_3NO_2	Nitromethane	101	C_3H_8O	Isopropyl alcohol	82.3	...	11.7	36.8	51.5		176
1691	H_2O	Water	100	CH_4O	Methanol	64.3	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5	39.4	0.6	3.0	96.4		335
1692	H_2O	Water	100	CH_4O	Methanol	64.7	C_2H_6O	Ethyl alcohol	78.3		Nonazeotrope			v-1	68
1693	H_2O	Water	100	CH_4O	Methanol	64.7	C_3H_6O	Propionaldehyde	47.9		Nonazeotrope				334
1694	H_2O	Water	100	CH_4O	Methanol	64.7	$C_3H_6O_2$	Methyl acetate	57.1		Nonazeotrope			v-1	58
1695	H_2O	Water	100	CH_4O	Methanol	64.7	C_3H_8O	Isopropyl alcohol	82.3		Nonazeotrope				334

[a] 20 atm. to critical point.
[b] 20 p.s.i.g.

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	A-Component			B-Component			C-Component			Azeotropic Data					
											Composition, Wt. %				
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	A	B	C		Ref.
1696	H_2O	Water	100	CH_4O	Methanol	64.7	$C_4H_6O_2$	Methyl acrylate	80.9		Nonazeotrope				334
1697	H_2O	Water	100	CH_4O	Methanol	64.7	$C_4H_8O_2$	Methyl propionate	79.85		Nonazeotrope				84
1698	H_2O	Water	100	CH_4O	Methanol	64.7	C_4H_{10}	2-Methyl-propane	-11.7		Nonazeotrope				334
1699	H_2O	Water	100	$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane	47.5	C_2H_6O	Ethyl alcohol	78.3	42.6	0.6	3.9	95.5		335
1700	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.2	C_3H_6O	Allyl alcohol	97.1	71.4	7.5	80	12.5		334
1701	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.2	C_3H_8O	Propyl alcohol	97.3	...	7.1	84.8	8.1		176
1702	H_2O	Water	100	C_2HCl_3	Trichloroethylene	86.2	C_3H_8O	Isopropyl alcohol	82.3	69.4	7	73	20		335
1703	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6	C_2H_6O	Ethyl alcohol	78.3	72.9	1	44	55		335
1704	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6	$C_4H_{11}N$	Diethylamine	55.5		Nonazeotrope				334
1705	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6	$C_6H_{14}O$	Isopropyl ether	68.3	59	5	13	82		334
1706	H_2O	Water	100	C_2H_3N	Acetonitrile	81.6	$C_6H_{15}N$	Triethylamine	89.7	68.6	6	31	63		334
1707	H_2O	Water	100	$C_2H_4Cl_2$	1,2-Dichloroethane	83.5	C_2H_6O	Ethyl alcohol	78.3	67.8	7.2	77.1	15.7		335
1708	H_2O	Water	100	$C_2H_4Cl_2$	1,2-Dichloroethane	83.5	C_3H_8O	Isopropyl alcohol	82.3	69.7	7.7	73.3	19.0		335
1709	H_2O	Water	100	C_2H_4O	Acetaldehyde	20.2	C_2H_6O	Ethyl alcohol	78.3	...	...	...	...	v-l	133
1710	H_2O	Water	100	C_2H_4O	Acetaldehyde	20.2	$C_6H_{12}O_3$	Paraldehyde	124		Nonazeotrope				334
1711	H_2O	Water	100	C_2H_5ClO	2-Chloroethanol	128.7	C_6H_6	Benzene	80.1		Nonazeotrope				334
1712	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_3H_3N	Acrylonitrile	77.2	69.5	8.7	20.3	71.0		335
		Water			Ethyl alcohol			Acrylonitrile							
		"			"			"	100 mm.	<30	6.6	9.0	84.4		335
1713	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_3H_6O	Acetone	56.1		Nonazeotrope				334
1714	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_3H_6O_2$	Ethyl formate	54.2		Nonazeotrope				334
1715	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_4H_6O	Crotonaldehyde	102.4	78.0	4.8	87.9	7.3		335

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No.	A-Component Formula	A-Component Name	A-Component B.P., °C.	B-Component Formula	B-Component Name	B-Component B.P., °C.	C-Component Formula	C-Component Name	C-Component B.P., °C.	Azeotropic Data B.P., °C.	Composition, Wt. % A	B	C	Ref.
1716	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	2-Butanone	79.6	73.2	11	14	75	335
1717	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	Butyraldehyde	75.7	67.2	9	11	80	335
1718	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_4H_8O	Ethyl vinyl ether	35.5	Nonazeotrope				334
1719	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_4H_{11}N$	Butylamine	77.8	81.8	7.5	42.5	50.0	335
1720	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_8O_2$	Ethyl acrylate	99.3	77.1	10.1	48.3	41.6	335
								" 165 mm.		44	8.6	36.3	55.1	335
1721	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_{10}O$	1-Butenyl methyl ether	...	61.4	6.8	14.3	78.9	334
1722	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_{10}O$	Propyl vinyl ether	65.1	57	5.1	21.2	73.7	335
1723	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_{10}O_2$	Isopropyl acetate	88.7	74.8	9.8	19.4	70.8	335
1724	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_{12}O$	Butyl methyl ether	70.3	62	6.3	8.6	85.1	335
1725	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_5H_{12}O$	Isoamyl alcohol	132	Nonazeotrope			v-1	218
1726	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_6H_{12}	Cyclohexane	80.75	62.60	4.8	19.7	75.5	361
								"	80.7	62.1	7	17	76	335
1727	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{12}O$	Isobutyl vinyl ether	83.4	60	8	22	70	335
1728	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_6H_{14}	Hexane	68.22	56.4	3	18.7	78.3	326
								"	68.7	56.0	3	12	85	335
1729	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{14}O$	Butyl ethyl ether	92.2	71.6	9.3	4.2	86.5	335
1730	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{14}O$	Ethyl isobutyl ether	79	66	6.5	15.8	77.7	334
1731	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{14}O$	Isopropyl ether	68.3	61.0	4.0	6.5	89.5	335
								100 p.s.i.g.		128.5	9.1	14.2	76.7	335
								" 50 p.s.i.g.		105.8	7.1	11.9	81	335
1732	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{14}O$	Isopropyl propyl ether	...	66	7.0	14.7	78.3	334
1733	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_7H_8	Toluene	110.6	74.4	12	37	51	335
1734	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_7H_{14}	Methylcyclohexane	100.88	69.59	6.8	32.4	60.8	326
1735	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_7H_{16}	Heptane	98.4	68.8	6.1	33.0	60.9	335
1736	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	C_8H_8	Styrene	145.1	Nonazeotrope				334

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	A-Component			B-Component			C-Component			Azeotropic Data					
											Composition, Wt. %				
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	A	B	C		Ref.
1737	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				334
1738	H_2O	Water	100	C_2H_6O	Ethyl alcohol	78.3	$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol	243.1		Nonazeotrope				334
1739	H_2O	Water	100	C_2H_7N	Dimethyl-amine	7.4	$C_4H_{11}NO$	2-(Dimethyl-amino) ethanol	134.6		Nonazeotrope				334
1740	H_2O	Water	100	$C_2H_8N_2$	Ethylene-diamine	116.9	C_6H_6	Benzene	80.1		Nonazeotrope				334
1741	H_2O	Water	100	C_3H_3N	Acrylonitrile	77.2	C_3H_5N	Propio-nitrile	97.4		Nonazeotrope				334
1742	H_2O	Water	100	C_3H_4O	2-Propyn-1-ol	115	$C_5H_8O_2$	3,3-Dimeth-oxypropyne	111	88.95	...	...	...		95
1743	H_2O	Water	100	C_3H_4O	2-Propyn-1-ol	115	C_6H_6	Benzene	80.1	68.1	8.3	3.7	88.0		52
										69	9	4	87		95
1744	H_2O	Water	100	$C_3H_4O_2$	Acrylic acid	141.2	$C_5H_8O_2$	Ethyl acrylate	99.3		Nonazeotrope				334
1745	H_2O	Water	100	$C_3H_6Cl_2$	1,2-Dichloro-propane	96.3	C_3H_7ClO	Propylene chloro-hydrin	127.4		Nonazeotrope				334
1746	H_2O	Water	100	C_3H_6O	Acetone	56.1	C_3H_8O	Isopropyl alcohol	82.3		Nonazeotrope			v-1	46
1747	H_2O	Water	100	C_3H_6O	Acetone	56.1	$C_4H_6O_2$	Vinyl acetate	72.7		Nonazeotrope				334
1748	H_2O	Water	100	C_3H_6O	Acetone	56.1	C_4H_8O	2-Butanone	79.6		Nonazeotrope				254
1749	H_2O	Water	100	C_3H_6O	Acetone	56.1	C_4H_8O	Butyralde-hyde	74.8		Nonazeotrope				334
1750	H_2O	Water	100	C_3H_6O	Acetone	56.1	$C_5H_{10}O_2$	Isopropyl acetate	88.6		Nonazeotrope				334
1751[c]	H_2O	Water	100	C_3H_6O	Acetone	56.1	$C_6H_{14}O$	Isopropyl ether	68.3	75	3	49	48		334
1752	H_2O	Water	100	C_3H_6O	Acetone	56.1	C_nH_{2n+2}	Paraffin hydrochloride	...	61-71	1.4	42.1	56.5	vol. %	169
1753	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.6	C_6H_{14}	Hexane	68.8	...	8.5	5.1	86.4		176
1754	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.6	C_7H_8	Toluene	110.6	80.6	15.2	31.4	53.4		334
1755	H_2O	Water	100	C_3H_6O	Allyl alcohol	96.6	$C_9H_{16}O_2$	2,2-Bis(allyl-oxy) propane	...	88	28	55	17		334

[c] 15 p.s.i.g.

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No.	A-Component Formula	A-Component Name	A-Component B.P., °C.	B-Component Formula	B-Component Name	B-Component B.P., °C.	C-Component Formula	C-Component Name	C-Component B.P., °C.	Azeotropic Data B.P., °C.	Composition, Wt. % A	B	C		Ref.
1756	H_2O	Water	100	$C_3H_6O_2$	Propionic acid	140.7	$C_4H_8O_2$	Methyl propionate	79.85	Nonazeotrope					84
1757	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	C_4H_8O	2-Butanone	79.6	73.4	11	1	88		335
1758	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_4H_{11}N$	Butylamine	77.8	83	12.5	40.5	47		335
1759	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_5H_{10}O_2$	Isopropyl acetate	88.7	75.5	11	13	76		335
1760	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	C_6H_6	Benzene	80.1	65.7	8.2	19.8	72.0		335
		"						" 20 p.s.i.g.		90	10	18	72		335
1761	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_6H_{12}O$	4-Methyl-2-pentanone	116.2	Nonazeotrope					334
1762	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_6H_{14}O$	Butyl ethyl ether	92.2	73.4	10.4	21.9	67.7		335
1763	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_6H_{14}O$	Isopropyl ether	68.3	61.8	5	4	91		335
		"			"			" 30 p.s.i.g.		95	6	9	85		335
		"			"			" 15 p.s.i.g.		81	6	7	87		335
1764	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	$C_6H_{15}N$	Diisopropyl-amine	84.1	Nonazeotrope					334
1765	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	C_7H_8	Toluene	110.6	76.3	13.1	38.2	48.7		335
1766	H_2O	Water	100	C_3H_8O	Isopropyl alcohol	82.3	C_8H_{14}	Diisobutyl-ene	102.3	72.3	9.3	31.6	59.1		335
1767[d]	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	C_3H_8S	1-Propane-thiol	67.5	60.8	...	...	...		181
1768	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	$C_5H_{10}O$	3-Pentanone	101.8	81.2	20	20	60		334
1769	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	$C_5H_{10}O_2$	Propyl acetate	101.6	Nonazeotrope				v-1	264
		"			"			"	200 mm.	50.23	13.3	4.7	82.0	v-1	308
		"			"			"	400 mm.	66.07	15.0	6.5	78.5	v-1	308
		"			"			"	600 mm.	76.26	16.0	8.5	75.5	v-1	308
		"			"			"	760 mm.	82.45	17.0	10.0	73.0	v-1	308
1770	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	C_6H_6	Benzene	80.1	68.5	8.6	9.0	82.4		334
1771	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	C_6H_{12}	Cyclohexane	80.7	66.6	8.5	10.0	81.5		334

[d] 771 mm.

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	A-Component			B-Component			C-Component			Azeotropic Data				
											Composition, Wt. %			
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	A	B	C	Ref.
1772	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	$C_6H_{12}O$	2-Hexanone	127.2	87	27	63	10	123
1773	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	$C_6H_{12}O$	2-Methyl-pentanal	118.3	86	28	58	14	334
1774	H_2O	Water	100	C_3H_8O	Propyl alcohol	97.3	$C_7H_{16}O_2$	Dipropoxy-ethane	146.6	87.6	27.4	51.6	21.0	334
1775	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6	C_6H_6	Benzene	80.1		Nonazeotrope			334
1776	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6	C_6H_{12}	Cyclohexane	80.7		Nonazeotrope			334
1777	H_2O	Water	100	$C_3H_8O_2$	2-Methoxy-ethanol	124.6	C_7H_8	Toluene	110.6		Nonazeotrope			334
1778	H_2O	Water	100	$C_3H_8O_2$	1,2-Propane-diol	187.8	C_7H_8	Toluene	110.6		Nonazeotrope			334
1779	H_2O	Water	100	C_4H_6O	Crotonalde-hyde	102.4	$C_6H_{10}O$	2-Ethylcro-tonaldehyde	135.3		Nonazeotrope			334
1780	H_2O	Water	100	C_4H_8O	2-Butanone	79.6	C_6H_6	Benzene	80.1	68.2	8.8	26.1	65.1	334
1781	H_2O	Water	100	C_4H_8O	2-Butanone	79.6	C_6H_{12}	Cyclohexane	80.7	63.6	5	35	60	334
1782	H_2O	Water	100	C_4H_8O	2-Butanone	79.6	C_6H_{14}	Hexane	68.7	55	1	22	77	334
1783	H_2O	Water	100	C_4H_8O	Butyralde-hyde	74.8	$C_4H_{10}O$	Isobutyl alcohol	107.9		Nonazeotrope			334
1784	H_2O	Water	100	C_4H_8O	Butyralde-hyde	74.8	$C_4H_{10}O_2$	1,1-Dimeth-oxyethane	64.5		Nonazeotrope			334
1785	H_2O	Water	100	C_4H_8O	Butyralde-hyde	74.8	$C_6H_{12}O_2$	Butyl acetate	126.1		Nonazeotrope			334
1786	H_2O	Water	100	C_4H_8O	Butyralde-hyde	74.8	C_6H_{14}	Hexane	68.7	55	4	21	75	334
1787	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7	$C_4H_{10}O$	sec-Butyl alcohol	99.5		Nonazeotrope			334
1788	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7	$C_4H_{10}S$	1-Butane-thiol	97.5	78.6	...	...	...	181
1789	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.7	$C_4H_{11}N$	Butylamine	77.8		Nonazeotrope			334
1790	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_6H_{12}O$	Butyl vinyl ether	94.2	77.4	10	2	88	335
1791	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_6H_{12}O_2$	Butyl acetate	126.1	90.7	29	8	63	335
1792	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	C_6H_{14}	Hexane	68.95	61.5	19.2	2.9	77.9	174

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	A-Component			B-Component			C-Component			Azeotropic Data				
											Composition Wt. %			
No.	Formula	Name	B. P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	A	B	C	Ref.
1793	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_7H_{12}O_2$	Butyl acrylate	147	92	50	37.6	12.4	76
		"							100 mm.	46	41	26	33	335
1794	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	C_7H_{16}	Heptane	98.4	78.1	41.4	7.6	51	174
1795	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	C_8H_{18}	Octane	125.75	86.1	60	14.6	25.4	174
1796	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_8H_{18}O$	Butyl ether	142.1	90.6	29.9	34.6	35.5	335
		"							100 mm.	45	31.2	24.6	44.2	335
1797	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_8H_{19}N$	Dibutyl-amine	159.6			Nonazeotrope		334
1798	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	C_9H_{20}	Nonane	150.7	90	69.9	18.3	11.8	174
1799	H_2O	Water	100	$C_4H_{10}O$	Butyl alcohol	117.75	$C_9H_{20}O_2$	Dibutoxy-methane	181.8			Nonazeotrope		334
1800	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	$C_4H_{10}O$	tert-Butyl alcohol	82.6			Nonazeotrope		334
1801	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	C_6H_6	Benzene	80.1, 200 mm.	38.2	7	5	88	67
		"			"			"	300 mm.	47.0	7	6	87	67
		"			"			"	400 mm.	53.8	7	6	87	67
		"			"			"	500 mm.	59.0	7	6	87	67
		"			"			"	665 mm.	65.5	8	6	86	67
1802	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	$C_6H_{12}O_2$	sec-Butyl acetate	112.2	85.5	20.2	27.4	52.4	334
1803	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	C_7H_{14}	Methyl-cyclohexane	101.1	77.1	11.9	21.9	66.4	352
1804	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	C_7H_{16}	Heptane	98.4	75.8	10.9	22.2	66.9	352
1805	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	C_8H_{14}	Diisobutyl-ene	102.3	77.5	11	19	70	334
1806	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	C_8H_{18}	Iso-octane	...	76.3	10.6	21.9	67.5	352
1807	H_2O	Water	100	$C_4H_{10}O$	sec-Butyl alcohol	99.4	$C_8H_{18}O$	Butyl ether	142.1	86.6	24.7	56.1	19.2	334
1808	H_2O	Water	100	$C_4H_{10}O$	Isobutyl alcohol	107.9	$C_9H_{20}O_2$	Diisobutoxy-methane	163.8			Nonazeotrope		334
1809	H_2O	Water	100	$C_4H_{10}O_2$	2-Ethoxy-ethanol	135.6	C_7H_8	Toluene	110.7			Nonazeotrope		334
1810	H_2O	Water	100	$C_4H_{10}O_2$	2-Ethoxy-ethanol	135.6	$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether	177.7	97.7	51	11	38	334

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No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	Composition, Wt. % A	B	C		Ref.
1811	H_2O	Water	100	$C_4H_{11}N$	Butylamine	77.8	$C_8H_{19}N$	Dibutylamine	159.6		Nonazeotrope				334
1812	H_2O	Water	100	$C_4H_{11}N$	Diethylamine	55.5	$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				334
1813	H_2O	Water	100	C_5H_5N	Pyridine	115.5	C_7H_{16}	Heptane	98.4	78.6	14	13.5	70.5		332
1814	H_2O	Water	100	C_5H_5N	Pyridine	115.5	C_8H_{18}	Octane	125.75	86.7	22.5	25.5	52		332
1815	H_2O	Water	100	C_5H_5N	Pyridine	115.5	C_9H_{20}	Nonane	150.7	90.5	30.5	37	32.5		332
1816	H_2O	Water	100	C_5H_5N	Pyridine	115.5	$C_{10}H_{22}$	Decane	173.3	92.3	35.5	45.5	19		332
1817	H_2O	Water	100	C_5H_5N	Pyridine	115.5	$C_{11}H_{24}$	Undecane	194.5	93.1	38.5	51	10.5		332
1818	H_2O	Water	100	C_5H_5N	Pyridine	115.5	$C_{12}H_{26}$	Dodecane	216	93.5	40.5	54.5	5		332
1819	H_2O	Water	100	$C_5H_8O_2$	Ethyl acrylate	99.3	$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				334
1820	H_2O	Water	100	$C_5H_{10}O$	2-Pentanone	102.3	C_6H_6	Benzene	80.1		Nonazeotrope				334
1821	H_2O	Water	100	$C_5H_{12}O$	Amyl alcohol	138.0	$C_{11}H_{24}O$	Diamyloxymethane	...		Nonazeotrope				334
1822[e]	H_2O	Water	100	$C_5H_{12}O$	Isoamyl alcohol	132	$C_5H_{12}S$	3-Methyl-1-butanethiol	120	86.6	...	...	...		181
1823	H_2O	Water	100	C_6H_6	Benzene	80.1	$C_6H_{14}O$	Hexyl alcohol	157.85		Nonazeotrope				176
1824	H_2O	Water	100	C_6H_7N	2-Picoline	128.8	$C_6H_{12}O_3$	Paraldehyde	124.5		Nonazeotrope				334
1825	H_2O	Water	100	$C_6H_{10}O$	Cyclohexanone	155.6	$C_6H_{12}O$	Cyclohexanol	160.65		Nonazeotrope			v-l	122
1826	H_2O	Water	100	$C_6H_{12}O_2$	Butyl acetate	126.1	$C_6H_{12}O_2$	sec-Butyl acetate	112.2		Nonazeotrope				334
1827	H_2O	Water	100	$C_6H_{12}O_2$	Butyl acetate	126.1	$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				334
1828	H_2O	Water	100	$C_6H_{12}O_2$	sec-Butyl acetate	112.2	$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				334
1829	H_2O	Water	100	$C_6H_{12}O_3$	2-Ethoxyethyl acetate	156.2	C_7H_8	Toluene	110.6		Nonazeotrope				334
1830	H_2O	Water	100	$C_6H_{14}O$	Isopropyl ether	68.3	$C_6H_{15}N$	Triethylamine	89.7		Nonazeotrope				334
1831	H_2O	Water	100	C_7H_8	Toluene	110.6	$C_{10}H_{22}O$	Decyl alcohol (isomers)	217.3		Nonazeotrope				334

[e] 765.4 mm.

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No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	Composition, Wt. % A	B	C		Ref.
1832	H_2O	Water	100	C_7H_8	Toluene	110.6	$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol	225.5		Nonazeotrope				334
1833	CCl_4	Carbon tetrachloride	76.75	C_2HCl_3	Trichloroethylene	86.2	C_4H_8O	2-Butanone	79.6		Nonazeotrope			v-1	184
1834	$CHCl_3$	Chloroform	61	CH_2O_2	Formic acid	100.75	$C_2H_4O_2$	Acetic acid	118.1		Nonazeotrope			v-1	56
1835	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7	C_3H_6O	Acetone	56.1	57.5	46.7	23.4	29.9	v-1	335
1836	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7	$C_3H_6O_2$	Methyl acetate	57.1	56.42	51.4	21.6	27	v-1	31,143
1837	$CHCl_3$	Chloroform	61	CH_4O	Methanol	64.7	C_4H_8O	2-Butanone	79.6		Nonazeotrope				334
1838	$CHCl_3$	Chloroform	61	C_2H_6O	Ethyl alcohol	78.3	C_3H_6O	Acetone	56.1	63.2	65.3	10.4	24.3	v-1	224
1839	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4	C_4H_8O	2-Butanone	79.6		Nonazeotrope			v-1	62
1840	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9		Nonazeotrope			v-1	157
1841	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4	$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				334
1842	$CHCl_3$	Chloroform	61	C_3H_6O	Acetone	56.4	C_7H_8	Toluene	110.7		Nonazeotrope			v-1	296
1843	$CHCl_3$	Chloroform	61	$C_3H_6O_2$	Ethyl formate	54.1	C_3H_7Br	2-Bromopropane	59.4	61.97	79	5.3	15.7		195
1844	$CHCl_3$	Chloroform	61	$C_3H_6O_2$	Methyl acetate	57.1	C_3H_7Br	2-Bromopropane	59.4		Nonazeotrope				195
1845	$CHCl_3$	Chloroform	61	C_3H_7Br	2-Bromopropane	59.4	$C_4H_8O_2$	Isopropyl formate	68.8		Nonazeotrope				195
1846	$CHCl_3$	Chloroform	61	C_3H_8O	Isopropyl alcohol	82.3	C_4H_8O	2-Butanone	79.6		Nonazeotrope				334
1847	CH_2Cl_2	Dichloromethane	40.0	CH_4O	Methanol	64.7	$C_8H_{18}O_3$	2-(2-Butoxyethoxy) ethanol	230.6		Nonazeotrope				334
1848	CH_3NO_2	Nitromethane	101.2	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	343
1849[f]	CH_4	Methane	-161.5	C_2H_6	Ethane	-88.6	C_3H_8	Propane	-44		Nonazeotrope			v-1	268
1850	CH_4O	Methanol	64.7	C_2H_6O	Ethyl alcohol	78.3	C_3H_6O	Acetone	56.1		Nonazeotrope			v-1	7
1851	CH_4O	Methanol	64.5	C_3H_6O	Acetone	56.1	$C_3H_6O_2$	Methyl acetate	56.3	53.7	17.4	5.8	76.8		335
1852	CH_4O	Methanol	64.5	C_3H_6O	Acetone	56.1	C_6H_{14}	Hexane	68.95	47	14.6	30.8	59.6		105
1853	CH_4O	Methanol	64.5	$C_3H_6O_2$	Methyl acetate	56.3	C_6H_{14}	Hexane	68.7	45	14	27	59		335

[f] -200° to 50° F.

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	A-Component			B-Component			C-Component			Azeotropic Data					
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	Composition, Wt. % A	B	C		Ref.
1854	CH_4O	Methanol	64.7	$C_3H_9BO_3$	Trimethyl borate	68.7	C_4H_8O	Tetrahydro-furan	65		Nonazeotrope			v-1	115
1855	CH_4O	Methanol	64.7	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	223,362
1856[g]	C_2H_2	Acetylene	-84	C_2H_4	Ethylene	-104	C_2H_6	Ethane	-88		Nonazeotrope			v-1	137
1857	C_2H_3N	Acetonitrile	81.6	C_2H_6O	Ethyl alcohol	78.3	$C_6H_{15}N$	Triethyl-amine	89.7	70.1	34	8	58		335
1858	$C_2H_4Cl_2$	1,2-Dichloro-ethane	83.45	C_3H_6O	Acetone	56.4	C_6H_6	Benzene	80.1		Nonazeotrope			v-1	35
1859	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	C_7H_{16}	Heptane	98.4	96.2	2	6.5	91.5		373
		"			"			"		96.5	3.4	10.6	86.0		355
1860	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	C_8H_{10}	Ethyl-benzene	136.15	129.08	13.5	25.2	61.3		363
1861	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	C_8H_{10}	o-Xylene	143.6	132.2	17.7	30.5	51.8		372
1862	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	C_8H_{18}	Octane	125.75	115.7	10.4	20.1	69.5		355
1863	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	C_9H_{20}	Nonane	150.7	128.0	20.7	29.4	49.9		372
		"			"			"		128.0	20.9	29.3	49.8		355
1864	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	$C_{10}H_{22}$	Decane	173.3	134.1	31.4	38.2	30.4		355
1865	$C_2H_4O_2$	Acetic acid	118.1	C_5H_5N	Pyridine	115.5	$C_{11}H_{24}$	Undecane	194.5	137.1	37.5	43.5	19.0		370
1866	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134	C_8H_{18}	Octane	125.75	121.3	3.6	24.8	71.6		369
1867	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134	C_9H_{20}	Nonane	150.7	135.0	12.8	38.4	48.8		369
1868	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134	$C_{10}H_{22}$	Decane	173.3	141.3	19.9	46.8	33.3		369
1869	$C_2H_4O_2$	Acetic acid	118.1	C_6H_7N	2-Picoline	134	$C_{11}H_{24}$	Undecane	194.5	143.4	30.5	55.2	14.3		369
1870	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144	C_8H_{18}	Octane	125.75		Nonazeotrope				364
1871	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144	$C_{10}H_{22}$	Decane	173.3	147.0	12.6	74.3	13.1		323,364
		"			"			"		...	...	...	...	v-1	358
1872	$C_2H_4O_2$	Acetic acid	118.1	C_7H_9N	2,6-Lutidine	144	$C_{11}H_{24}$	Undecane	194.5	162.0	75.0	13.8	11.3		370
1873	$C_2H_4O_2$	Acetic acid	118.1	C_8H_{10}	Ethyl-benzene	136.15	C_9H_{20}	Nonane	150.7		Nonazeotrope				363
1874	$C_2H_5NO_2$	Nitroethane	114.2	$C_4H_8O_2$	p-Dioxane	101.3	$C_4H_{10}O$	Isobutyl alcohol	108	102.87	31.7	17.7	50.6		208
1875	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1	C_6H_{12}	Methylcyclo-pentane	72		Nonazeotrope				304
1876	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	65.05	30.4	10.8	58.8		362
1877	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1	C_6H_{14}	Hexane	68.95		Nonazeotrope				326
1878	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1	C_7H_{14}	Methylcyclo-hexane	100.88		Nonazeotrope				326

[g] -35°, 0°, 40° F.

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	A-Component			B-Component			C-Component			Azeotropic Data					
											Composition, Wt. %				
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	A	B	C		Ref.
1879	C_2H_6O	Ethyl alcohol	78.3	C_6H_6	Benzene	80.1	C_7H_{16}	Heptane	98.4,		Nonazeotrope			v-1	240,339
		"			"			"	180-760 mm.						
					Benzene			Heptane	180 mm.	32.38	22.4	74.2	3.4	v-1	244
1880	C_2H_6O	Ethyl alcohol	78.3	C_6H_7N	Aniline	184.35	C_7H_8	Toluene	110.7		Nonazeotrope				138
1881	C_2H_6O	Ethyl alcohol	78.3	C_6H_7N	Aniline	184.35	C_7H_{16}	Heptane	98.4		Nonazeotrope			v-1	138
1882	C_2H_6O	Ethyl alcohol	78.3	C_7H_8	Toluene	110.7	C_7H_{16}	Heptane	98.4	...	...	...	...	v-1	138
1883	$C_2H_6O_2$	Ethylene glycol	196.7	C_7H_8O	o-Cresol	191	$C_8H_{11}N$	s-Collidine	171.30	189.65	33.6	62.4	4.0		188
1884	C_3H_4	Propadiene	-32	C_3H_4	Propyne	-23.2	C_3H_6	Propene	-47.7		Nonazeotrope				334
1885	C_3H_4	Propadiene	-32	C_3H_4	Propyne	-23.2	C_3H_8	Propane	-42.1		Nonazeotrope				334
1886	C_3H_4	Propadiene	-32	C_3H_4	Propyne	-23.2	C_4H_6	Butadiene	-4.5		Nonazeotrope				334
1887	C_3H_6O	Acetone	56.1	$C_3H_6O_2$	Methyl acetate	56.3	C_6H_{14}	Hexane	68.7	47	45	7	48		334
1888	C_3H_6O	Acetone	56.1	C_3H_8O	Isopropyl alcohol	82.3	$C_5H_{10}O_2$	Isopropyl acetate	88.7		Nonazeotrope				334
1889	C_3H_6O	Acetone	56.1	C_6H_5Cl	Chloro-benzene	131.8	C_6H_6	Benzene	80.1		Nonazeotrope			v-1	109
1890	C_3H_6O	Acetone	56.1	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	185
1891	C_3H_6O	Allyl alcohol	97.1	$C_6H_{14}O$	Isopropyl ether	68.3	$C_9H_{16}O_2$	2,2-Bis(allyl-oxy) propane	...		Nonazeotrope				334
1892	$C_3H_6O_2$	Propionic acid	140.7	C_5H_5N	Pyridine	115.5	$C_{11}H_{24}$	Undecane	194.5	147.1	55.5	26.4	18.1		370
1893	C_3H_8O	Isopropyl alcohol	82.3	$C_4H_8O_2$	Ethyl acetate	76.7	C_6H_{12}	Cyclohexane	80.7	68.3	...	...	...		334
1894	C_3H_8O	Isopropyl alcohol	82.3	$C_5H_{10}O_2$	Isopropyl acetate	88.7	$C_6H_{14}O$	Isopropyl ether	68.3		Nonazeotrope				334
1895	C_3H_8O	Isopropyl alcohol	82.3	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Azeotrope				209
1896	C_3H_8O	Propyl alcohol	97.25	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	73.75	18	28	54		209,362
								66.7-216.7 p.s.i.a.						v-1	320
1897	$C_3H_8O_2$	2-Methoxy-ethanol	124.5	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	73	9	39.1	51.9	v-1	331
1898[h]	$C_3H_8O_2$	2-Methoxy-ethanol	124.5	C_8H_8	Styrene	144	C_8H_{10}	Ethyl-benzene	136.15		Nonazeotrope			v-1	152
1899	C_4H_8O	2-Butanone	79.6	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	61,74
								14.7-186.8 p.s.i.a.			Nonazeotrope			v-1	61,321

[h] 62 mm.

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	A-Component			B-Component			C-Component			Azeotropic Data					
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	Composition, Wt. % A	B	C		Ref.
1900	$C_4H_8O_2$	Butyric acid	162.45	C_5H_5N	Pyridine	115.5	$C_{11}H_{24}$	Undecane	194.5		Nonazeotrope				370
1901	$C_4H_8O_2$	Ethyl acetate	77.05	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	43,44
1902	$C_4H_9Cl_3Sn$	Butyltin trichloride	113/17	$C_8H_{18}Cl_2Sn$	Dibutyltin dichloride	157/17	$C_{12}H_{27}ClSn$	Tributyltin chloride	166/17		Nonazeotrope				334
1903	$C_4H_{10}O$	Isobutyl alcohol	107.0	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	76.73	8	42	50		153,362
1904	$C_4H_{10}O$	Butyl alcohol	117.7	$C_4H_{11}N$	Butylamine	77.8	$C_8H_{19}N$	Dibutyl-amine	159.6		Nonazeotrope				334
1905	$C_4H_{10}O$	Butyl alcohol	117.75	C_5H_5N	Pyridine	115.5	C_7H_8	Toluene	110.7	108.7	11.9	20.7	67.4		140
1906	$C_4H_{10}O$	Butyl alcohol	117.75	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	77.42	4	48	48		362
1907	$C_4H_{10}O$	Butyl alcohol	117.7	$C_6H_{12}O_2$	Butyl acetate	126.1	$C_8H_{18}O$	Butyl ether	142.1		Nonazeotrope				334
1908	$C_4H_{10}O_2$	2-Ethoxy-ethanol	135.1	C_8H_8	Styrene	145	C_8H_{10}	Ethyl-benzene	136.15, 5 mm.		Nonazeotrope			v-1	110
		"			"				62 mm.		Nonazeotrope			v-1	152
1909	$C_4H_{10}O_2$	2-Ethoxy-ethanol	135.1	C_8H_{10}	Ethyl-benzene	136.15	C_8H_{18}	Octane	125.75		Nonazeotrope			v-1	227
1910	$C_5H_4O_2$	2-Furalde-hyde	161.7	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75		Nonazeotrope			v-1	331
1911	$C_5H_4O_2$	2-Furalde-hyde	161.7	C_7H_8	Toluene	110.7	C_7H_{14}	Methylcyclo-hexane	101.1		Nonazeotrope			v-1	114
1912	$C_5H_4O_2$	2-Furalde-hyde	161.7	C_7H_8	Toluene	110.7	C_7H_{16}	Heptane	98.4		Nonazeotrope			v-1	114
1913	$C_5H_4O_2$	2-Furalde-hyde	161.7	C_7H_{14}	Methylcyclo-hexane	101.1	C_7H_{16}	Heptane	98.4		Nonazeotrope			v-1	114
1914	C_5H_5N	Pyridine	115.5	$C_5H_{12}O$	Isoamyl alcohol	131	C_7H_8	Toluene	110.7	110.19	8.6	4.1	87.3		371
1915	C_5H_5N	Pyridine	115.5	C_8H_{10}	Ethyl-benzene	136.15	C_9H_{20}	Nonane	150.7		Nonazeotrope				363
1916	C_6H_6	Benzene	80.1	C_6H_{12}	Cyclohexane	80.75	$C_6H_{12}O$	4-Methyl-2-pentanone	115.9		Nonazeotrope			v-1	65
1917	C_6H_6	Benzene	80.1	C_7H_{16}	2,3-Dimethyl-pentane	89.8	$C_{12}F_{27}N$	Perfluoro-tributyl-amine	...		Nonazeotrope			v-1	190

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	A-Component			B-Component			C-Component			Azeotropic Data					
No.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	Formula	Name	B.P., °C.	B.P., °C.	Composition, Wt. % A	B	C		Ref.
1918[i]	C_6H_6O	Phenol	182	$C_6H_{10}O$	Cyclohexanone	155.6	$C_6H_{12}O$	Cyclohexanol	160.65		Nonazeotrope			v-1	57
1919	C_6H_6O	Phenol	182	$C_6H_{10}O_4$	Ethylene diacetate	186	$C_8H_8O_2$	Phenyl acetate	195.7	194.45	26.4	34.4	39.2		253
1920	C_6H_7N	Aniline	184.35	$C_6H_{12}O$	Cyclohexanol	160.65	$C_6H_{13}N$	Cyclohexylamine	...		Nonazeotrope			v-1	242
1921[j]	C_6H_7N	Aniline	184.35	C_7H_8	Toluene	110.7	C_7H_{14}	Methylcyclohexane	101.1		Evaporation data				297
1922	C_6H_7N	Aniline	184.35	C_7H_8	Toluene	110.7	C_7H_{16}	Heptane	98.4		Nonazeotrope			v-1	138
1923[k]	$C_6H_{14}O_2$	Hexylene glycol	...	C_8H_{10}	Ethylbenzene	136.15	C_8H_{16}	Ethylcyclohexane	131.8		Nonazeotrope			v-1	271
1924	C_7H_8O	x-Cresol	202	C_7H_9N	Pyridine bases	143	$C_{10}H_8$	Naphthalene	218.1	202.48	81	9	10		367
1925	C_7H_8O	x-Cresol	202	C_7H_9N	Pyridine bases	157	$C_{10}H_8$	Naphthalene	218.1	202.03	65.5	16.5	18		367
1926	C_7H_8O	x-Cresol	202	C_7H_9N	Pyridine bases	163	$C_{10}H_8$	Naphthalene	218.1	202.39	62	17	21		367

[i] 90 mm.
[j] 80° to 100° C.
[k] 400 mm.

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Table III. Quaternary Systems

No.		Formula	Name	B.P., °C.	Azeotropic Data					Ref.
					B.P., °C.	Azeotropic Composition A	B	C	D	
1927	A	H_2O	Water	100	Nonazeotrope					334
	B	C_2H_3N	Acetonitrile	81.6						
	C	C_2H_6O	Ethyl alcohol	78.3						
	D	$C_6H_{15}N$	Triethylamine	89.7						
1928	A	H_2O	Water	100	70	8.7	11.1	0.1	80.1	84
	B	C_2H_6O	Ethyl alcohol	78.3						
	C	C_4H_6O	Crotonaldehyde	102.2						
	D	$C_4H_8O_2$	Ethyl acetate	77.1						
1929	A	H_2O	Water	100	62.19	7.1	17.4	21.5	54.0	357
	B	C_2H_6O	Ethyl alcohol	78.3	62.14	6.1	19.2	20.4	54.3	322,361
	C	C_6H_6	Benzene	80.1						
	D	C_6H_{12}	Cyclohexane	80.75						
1930	A	H_2O	Water	100	Nonazeotrope					326
	B	C_2H_6O	Ethyl alcohol	78.3						
	C	C_6H_6	Benzene	80.1						
	D	C_6H_{14}	Hexane	68.95						
1931	A	H_2O	Water	100	Nonazeotrope					326
	B	C_2H_6O	Ethyl alcohol	78.3						
	C	C_6H_6	Benzene	80.1						
	D	C_7H_{14}	Methylcyclohexane	100.88						
1932	A	H_2O	Water	100	64.79	6.8	18.7	62.4	12.1	325
	B	C_2H_6O	Ethyl alcohol	78.3						
	C	C_6H_6	Benzene	80.1						
	D	C_7H_{16}	Heptane	98.4						
1933	A	H_2O	Water	100	64.69	6.7	17.7	61.4	14.1	325
	B	C_2H_6O	Ethyl alcohol	78.3						
	C	C_6H_6	Benzene	80.1						
	D	C_8H_{18}	Iso-octane	...						

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No.		Formula	Name	B.P., °C.	Azeotropic Data						Ref.
					B.P., °C.	Azeotropic Composition A	B	C	D		
1934	A	H_2O	Water	100	Min. b.p.						178
	B	C_3H_8O	Isopropyl alcohol	82.3							
	C	C_7H_8	Toluene	110.7							
	D	C_nH_{2n+2}	Paraffins	...							
1935	A	H_2O	Water	100	90.6	30	13	51	6		335
	B	$C_4H_{10}O$	Butyl alcohol	117.7							
	C	$C_6H_{12}O_2$	Butyl acetate	126.1							
	D	$C_8H_{18}O$	Butyl ether	142.1							
1936	A	$C_2H_4O_2$	Acetic acid	118.1	127.9	17	27	18	38		322,363
	B	C_5H_5N	Pyridine	115.5							
	C	C_8H_{10}	Ethylbenzene	136.15							
	D	C_9H_{20}	Nonane	150.7							
1937	A	$C_2H_4O_2$	Acetic acid	118.1	Nonazeotrope						372
	B	C_5H_5N	Pyridine	115.5							
	C	C_8H_{10}	o-Xylene	143.6							
	D	C_9H_{20}	Nonane	150.7							
1938	A	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope					v-1	304
	B	C_6H_6	Benzene	80.1							
	C	C_6H_{12}	Methylcyclopentane	72.0							
	D	C_6H_{14}	Hexane	68.95							
1939	A	C_2H_6O	Ethyl alcohol	78.3	Nonazeotrope					v-1	138
	B	C_6H_7N	Aniline	184.4							
	C	C_7H_8	Toluene	110.7							
	D	C_7H_{16}	Heptane	98.4							

Formula Index

This index lists all compounds appearing in the azeotropic tables. Included are formula, name, standard boiling point, and numbers of the systems in which the compound appears as a component. The inorganic substances are indexed first.

Formula	Name and System Nos.
A	Argon B.p., -186 1, 2, 1675
$AsCl_3$	Arsenic chloride 3 B.p., 130
B_2H_6	Diborane B.p., -87.5 5
BeF_2	Beryllium fluoride 4
BrF_3	Bromine trifluoride 6-9 B.p., 135
BrF_5	Bromine pentafluoride 6, 10, 11
Br_2	Bromine B.p., 58.9 7, 12-20
Br_3P	Phosphorus tribromide 21 B.p., 175.3
CO	Carbon monoxide 1676 B.p., -192
CO_2	Carbon dioxide 22-26 B.p., -78.5
ClF_3	Chlorine trifluoride 27-29, 1677
ClH	Hydrogen chloride B.p., -85 27, 30-32, 1678
Cl_2	Chlorine B.p., -34.6 30, 33
Cl_2O_2S	Sulfuryl chloride 34-37 B.p., 69.1
Cl_3HSi	Trichlorosilane 38
Cl_3P	Phosphorus trichloride 39-44 B.p., 76
Cl_4Ge	Germanium chloride 3 B.p., 86.5
Cl_4Si	Silicon tetrachloride 45, 46 B.p., 57.6
Cl_4Sn	Tin chloride B.p., 114.1 47, 48
Cl_4Ti	Titanium tetrachloride 49-51 B.p., 146.2
DH	Deuterium hydride 52, 53
D_2	Deuterium B.p., -249.7 52, 54
FH	Hydrogen fluoride B.p., 19.4 8, 10, 12, 28, 33, 55-59, 1677, 1679
FNa	Sodium fluoride 4
F_5Sb	Antimony pentafluoride 55 B.p., 142.7
F_6U	Uranium hexafluoride B.p., 56 9, 11, 13, 29, 56, 1677
F_6S	Sulfur hexafluoride 60
F_6W	Tungsten hexafluoride 61, 62 B.p., 19.5
HNO_3	Nitric acid B.p., 86 63, 64, 1680
H_2	Hydrogen B.p., -252.7 53, 54, 1676
H_2O	Water B.p., 100 31, 63, 65-522, 1679- 1832, 1927-1935
H_2O_2	Hydrogen peroxide 65 B.p., 151.4
H_2S	Hydrogen sulfide B.p., -59.6 22, 523, 524
H_2SO_4	Hydrogen sulfate 66
H_3N	Ammonia B.p., -33.4 525-529
H_4N_2	Hydrazine B.p., 113.8 67
He	Helium B.p., -268.9 530
N_2	Nitrogen B.p., -195.8 1675, 1676
N_2O	Nitrous oxide 23 B.p., -90.7
N_2O_5	Nitrogen pentoxide 68
O_2	Oxygen B.p., -183 1, 1675
O_2S	Sulfur dioxide B.p., -10 531, 1681
S	Sulfur B.p., 444.6 532
Se	Selenium B.p., 688 532
CCl_2F_2	Dichlorodifluoromethane B.p., -29.8 57, 533-539
CCl_3F	Trichlorofluoromethane B.p., 24.9 540, 541
CCl_4	Carbon tetrachloride B.p., 76.8 14, 34, 47, 542-556, 1833
CS_2	Carbon disulfide B.p., 46.2 69, 557-561
$CHClF_2$	Chlorodifluoromethane B.p., -40.8 58, 533, 562-567
$CHCl_2F$	Dichlorofluoromethane B.p., 7.63/723 mm. 568

Formula	Name and System Nos.
$CHCl_3$	Chloroform B.p., 61.2 64, 70, 569-584, 1680, 1682-1687, 1834-1846
CH_2BrCl	Bromochloromethane 585 B.p., 69
CH_2Cl_2	Dichloromethane B.p., 40.7 585, 586, 1847
CH_2O_2	Formic acid B.p., 100.75 71, 569, 587-589, 1682, 1688, 1689, 1834
CH_3Cl	Chloromethane B.p., -24 534
CH_3Cl_3Si	Trichloromethylsilane 45, 590
CH_3I	Iodomethane B.p., 42.55 557
CH_3NO_2	Nitromethane B.p., 101.2 72, 591-602, 1690, 1848
CH_4	Methane B.p., -161.5 530, 603, 604, 1849
CH_4Cl_2Si	Dichloromethylsilane 46, 605
CH_4O	Methanol B.p., 64.7 32, 73, 542, 570, 591, 606-673, 1683, 1691-1698, 1835-1837, 1847, 1849-1855
CH_4S	Methanethiol B.p., 6.00 674, 675
CH_5N	Methylamine B.p., -6 676, 677
C_2ClF_5	Chloropentafluoroethane 562, 678 B.p., -38.5
$C_2Cl_2F_4$	1,2-Dichlorotetrafluoroethane B.p., 2.22/723 mm. 568, 606, 679
$C_2Cl_3F_3$	1,1,2-Trichlorotrifluoroethane B.p., 47.6 15, 74, 680, 681, 1691, 1699
C_2Cl_4	Tetrachloroethylene B.p., 121 75, 571, 682-685
$C_2Cl_4F_2$	1,1,1,2-Tetrachlorodifluoroethane B.p., 91.6 16
$C_2Cl_4F_2$	1,1,2,2-Tetrachlorodifluoroethane B.p., 92.4 680
C_2Cl_4O	Trichloroacetyl chloride 49 B.p., 118
C_2Cl_6	Hexachloroethane 35 B.p., 184.8
C_2HCl_3	Trichloroethylene B.p., 86.2 543, 686-690, 1700-1702, 1833
$C_2HCl_3F_2$	1,2,2-Trichloro-1,1-difluoroethane B.p., 71.1/736 mm. 17
$C_2HF_3O_2$	Trifluoroacetic acid 59, 76
C_2H_2	Acetylene B.p., -84 24, 691-693, 1856
$C_2H_2Cl_2$	cis-1,2-Dichloroethylene B.p., 60.3 607, 694-701
$C_2H_2Cl_2$	trans-1,2-Dichloroethylene B.p., 48.3 608, 702-709
$C_2H_2Cl_2F_2$	1,1-Dichloro-2,2-difluoroethane 18 B.p., 59/735 mm.
$C_2H_2Cl_2F_2$	1,2-Dichloro-1,2-difluoroethane B.p., 30 563
$C_2H_2Cl_2O$	Chloroacetyl chloride 50 B.p., 105
$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane 36, 51 B.p., 146.2
C_2H_3Cl	Vinyl chloride 710, 711 B.p., 13.4
$C_2H_3Cl_2NO_2$	Methyl dichlorocarbamate 77
$C_2H_3Cl_3$	1,1,1-Trichloroethane 712, 713 B.p., 74.1
$C_2H_3Cl_3$	1,1,2-Trichloroethane B.p., 113.65 68, 682, 712
$C_2H_3F_3O$	2,2,2-Trifluoroethanol 714
C_2H_3N	Acetonitrile B.p., 80.1 79, 544, 572, 592, 715-726, 1684, 1703-1706, 1857, 1927
C_2H_4	Ethylene B.p., -103.7 25, 691, 727, 1856
$C_2H_4Br_2$	1,2-Dibromoethane 728, 729 B.p., 131.5
$C_2H_4Cl_2$	1,1-Dichloroethane 558, 713 B.p., 57.2
$C_2H_4Cl_2$	1,2-Dichloroethane B.p., 83.16 37, 80, 545, 609, 686, 710, 715, 730-735, 1707, 1708, 1858
$C_2H_4F_2$	1,1-Difluoroethane 535, 678 B.p., -24.7
C_2H_4O	Acetaldehyde B.p., 20.2 540, 610, 736-742, 1681, 1709, 1710
C_2H_4O	Ethylene oxide 743 B.p., 10.5
$C_2H_4O_2$	Acetic acid B.p., 118.1 81, 546, 573, 587, 611, 687, 744-768, 1685, 1688, 1834, 1859-1873, 1936, 1937
$C_2H_4O_2$	Methyl formate B.p., 32 541
C_2H_5BrO	2-Bromoethanol B.p., 100/150 mm. 82
C_2H_5Cl	Chloroethane B.p., 12.4 736, 769
C_2H_5ClO	2-Chloroethanol B.p., 128.7 83, 770-772, 1711
C_2H_5NO	Acetamide B.p., 222 773

Formula	Name and System Nos.
$C_2H_5NO_2$	Nitroethane B.p., 114.0 84, 774-780, 1874
C_2H_6	Ethane B.p., -88.6 26, 523, 603, 692, 727, 781, 1849, 1856
C_2H_6O	Ethyl alcohol B.p., 78.3 85, 547, 574, 593, 612, 681, 694, 702, 714, 744, 774, 782-866, 1686, 1692, 1699, 1703, 1707, 1709, 1712-1738, 1838, 1850, 1857, 1875-1882, 1927-1933, 1938, 1939
C_2H_6O	Methyl ether B.p., -23.7 531, 536, 612
C_2H_6OS	Dimethylsulfoxide 867
$C_2H_6O_2$	Ethylene glycol B.p., 197 86, 868-893, 1883
C_2H_6S	Methyl sulfide B.p., 37.32 894-899
$C_2H_6S_2$	Methyl disulfide 900-907 B.p., 109.44
C_2H_7N	Dimethylamine B.p., 7.4 908, 1739
C_2H_7N	Ethylamine B.p., 16.6 525, 909, 910
C_2H_7NO	2-Aminoethanol B.p., 170.5 87, 911, 912
$C_2H_8N_2$	1,1-Dimethylhydrazine 88
$C_2H_8N_2$	Ethylenediamine B.p., 116 89, 913, 917, 1740
$C_3Cl_3F_5$	1,2,2-Trichloropentafluoropropane B.p., 72.5 19
C_3F_6	Hexafluoropropene B.p., -6.1/2059 mm. 537, 564
C_3F_8	Perfluoropropane B.p., 12.5/6.064 atm. 565
$C_3HF_5O_2$	Pentafluoropropionic acid 90, 918
C_3HF_7	Heptafluoropropane B.p., 17/2328 mm. 538
$C_3H_2ClF_3O_2$	3-Chloro-2,2,3-trifluoropropionic acid 919
$C_3H_2F_4O_2$	2,2,3,3-Tetrafluoropropionic acid 920
$C_3H_3ClF_3NO$	3-Chloro-2,2,3-trifluoropropionamide 921
$C_3H_3F_4NO$	2,2,3,3-Tetrafluoropropionamide 922
C_3H_3N	Acrylonitrile B.p., 77.2 91, 614, 716, 923, 1712, 1741
C_3H_3NS	Thiazole B.p., 116.8 92
C_3H_4	Propadiene B.p., -32 526, 924-927, 1884-1886
C_3H_4	Propyne B.p., -23.2 693, 924, 928-930, 1884-1886
$C_3H_4Cl_4$	Tetrachloropropane 931
C_3H_4O	Acrolein B.p., 52.8 93
C_3H_4O	2-Propyn-1-ol B.p., 115 94, 932, 1742, 1743
$C_3H_4O_2$	Acrylic acid B.p., 141.2 95, 933, 1744
$C_3H_4O_3$	Ethylene carbonate 96, 868
C_3H_5Cl	3-Chloropropene 97, 934 B.p., 45.15
C_3H_5Cl	x-Methylvinyl chloride 98
C_3H_5ClO	2-Chloro-2-propen-1-ol 935
C_3H_5ClO	Epichlorohydrin 936 B.p., 116.45
$C_3H_5Cl_3$	1,2,3-Trichloropropane 936 B.p., 156.85
C_3H_5F	2-Fluoropropene 527 B.p., -23
C_3H_5N	Propionitrile B.p., 97.4 923, 1741
C_3H_5NO	Hydracrylonitrile 99 B.p., 229.7
C_3H_6	Propene B.p., -48 925, 928, 937, 1884
$C_3H_6Cl_2$	1,2-Dichloropropane B.p., 96.3 688, 730, 938, 939, 1745
$C_3H_6Cl_2O$	2,3-Dichloro-1-propanol 100 B.p., 183.8
C_3H_6O	Acetone B.p., 56.1 101, 548, 575, 594, 615, 683, 695, 703, 711, 717, 782, 911, 940-957, 1713, 1746-1752, 1835, 1838-1842, 1850, 1851, 1852, 1858, 1887-1890
C_3H_6O	Allyl alcohol B.p., 96.90 102, 549, 958-963, 1700, 1753-1755, 1891
C_3H_6O	Propionaldehyde B.p., 47.9 103, 964, 965, 1693
C_3H_6O	Propylene oxide B.p., 38 104, 737, 938, 964, 966
$C_3H_6O_2$	1,3-Dioxolane B.p., 75.6 105, 967-970
$C_3H_6O_2$	Ethyl formate B.p., 54.0 106, 577, 696, 704, 971, 1714, 1843
$C_3H_6O_2$	Methoxyacetaldehyde B.p., 92/770 mm. 107
$C_3H_6O_2$	Methyl acetate B.p., 57.2 108, 576, 616, 697, 705, 972-1001, 1694, 1836, 1844, 1851, 1853, 1887

Formula	Name and System Nos.
$C_3H_6O_2$	Propionic acid B.p., 140.7 745, 1002-1010, 1756, 1892
$C_3H_6O_3$	Methyl glycolate 1011, 1012 B.p., 151.2
$C_3H_6O_3$	s-Trioxane B.p., 114.5 1013
C_3H_7Br	2-Bromopropane B.p., 59.35 578, 971, 972, 1843-1845
C_3H_7Cl	1-Chloropropane 109, 559 B.p., 46.6
C_3H_7Cl	2-Chloropropane 110, 934 B.p., 34.9
C_3H_7ClO	Propylene chlorohydrin B.p., 73/100 mm. 1014, 1745
C_3H_7NO	N,N-Dimethylformamide B.p., 153.0 111, 588, 718, 919-922, 1015
C_3H_7NO	Propionamide B.p., 222.1 1016-1018
$C_3H_7NO_2$	1-Nitropropane B.p., 131.6 112, 617, 783, 1019-1024
$C_3H_7NO_2$	2-Nitropropane B.p., 120.3 113, 618, 784, 1025-1030
C_3H_8	Propane B.p., -42.1 524, 566, 604, 926, 929, 937, 1849, 1885
C_3H_8O	Isopropyl alcohol B.p., 82.5 115, 595, 684, 731, 775, 785, 940, 958, 1019, 1025, 1031-1059, 1690, 1695, 1702, 1708, 1746, 1757-1766, 1846, 1888, 1893-1895, 1934
C_3H_8O	Propyl alcohol B.p., 97.25 114, 550, 596, 746, 776, 1020, 1026, 1060-1072, 1701, 1767-1774, 1896
C_3H_8OS	2-(Methylthio)ethanol 1073
$C_3H_8O_2$	2-Methoxyethanol B.p., 124.5 116, 619, 1074-1094, 1775-1777, 1897, 1898
$C_3H_8O_2$	Methylal B.p., 42.6 698, 706
$C_3H_8O_2$	1,2-Propanediol B.p., 188 117, 939, 1095-1106, 1778
$C_3H_8O_2$	1,3-Propanediol B.p., 214 118, 1107
C_3H_8S	Ethyl methyl sulfide 1108-1113 B.p., 66.61
C_3H_8S	1-Propanethiol B.p., 67 1060, 1767
$C_3H_9BO_3$	Trimethyl borate B.p., 68.7 620, 1114, 1854
C_3H_9ClSi	Chlorotrimethylsilane 590, 605
C_3H_9N	Isopropylamine 1115 B.p., 32.4
C_3H_9N	Propylamine B.p., 48.5 119
C_3H_9N	Trimethylamine 120 B.p., 3.2
C_3H_9NO	1-Amino-2-propanol B.p., 159.9 121, 1116-1119
$C_3H_{10}N_2$	1,2-Propanediamine 1120-1122 B.p., 120.9
$C_4Cl_3F_7$	2,2,3-Trichlorohepta-fluorobutane B.p., 97.4 1123-1125
C_4F_8	Perfluorocyclobutane 539, 567
$C_4HF_7O_2$	Perfluorobutyric acid B.p., 122.0 122, 1126-1128, 1679
$C_4H_2O_3$	Maleic anhydride 1129, 1130
C_4H_4	Vinylacetylene 1131
$C_4H_4O_2$	Diketene 941, 1132
C_4H_4S	Thiophene B.p., 83.97 1133-1142
C_4H_5Cl	2-Chloro-1,3-butadiene 1131, 1143, 1144
C_4H_5N	3-Butenenitrile 123 B.p., 118.9
C_4H_5N	Methacrylonitrile 124
C_4H_6	1,3-Butadiene B.p., -4.5 676, 927, 930, 1886
C_4H_6ClN	2-Chloro-2-methylpro-pionitrile B.p., 116 125
$C_4H_6Cl_2$	1,3-Dichloro-2-butene 1143
C_4H_6O	Crotonaldehyde B.p., 101.5 126, 1715, 1779, 1928
C_4H_6O	Methacrylaldehyde 127 B.p., 68.0
C_4H_6O	3-Butene-2-one 1144
$C_4H_6O_2$	2,3-Butanedione 1145 B.p., 90.7
$C_4H_6O_2$	3-Butenoic acid 128
$C_4H_6O_2$	Butyrolactone 131 B.p., 204.3
$C_4H_6O_2$	Crotonic acid B.p., 185 129, 130
$C_4H_6O_2$	Methyl acrylate 1696 B.p., 80.9
$C_4H_6O_2$	Vinyl acetate B.p., 72.7 132, 621, 738, 942, 1031, 1146-1149, 1747
$C_4H_6O_3$	Acetic anhydride B.p., 138 747, 1002, 1150-1152
$C_4H_6O_3$	Propylene carbonate 133 B.p., 242.1

Formula	Name and System Nos.
C_4H_7Cl	1-Chloro-2-methylpropene B.p., 68 943
C_4H_7ClO	2-Chloroethyl vinyl ether B.p., 109.1 134, 770, 1153
C_4H_7N	Butyronitrile B.p., 117.6 135
C_4H_7NO	2-Hydroxyisobutyronitrile 136
C_4H_8	1-Butene B.p., -6 677
C_4H_8	2-Methylpropene B.p., -6 674
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether B.p., 178.6 137, 732, 771, 869, 1154-1156
C_4H_8O	2-Butanone B.p., 79.6 138, 551, 579, 622, 689, 699, 707, 786, 944, 1145, 1157-1169, 1687, 1716, 1748, 1757, 1780-1782, 1833, 1837, 1839, 1846, 1899
C_4H_8O	Butyraldehyde B.p., 75.7 139, 623, 787, 1170-1176, 1717, 1749, 1783-1786
C_4H_8O	Ethyl vinyl ether B.p., 35.5 140, 739, 788, 1718
C_4H_8O	Isobutyraldehyde B.p., 63.5 141, 1170
C_4H_8O	Methyl propenyl ether B.p., 46.3 142
C_4H_8O	Tetrahydrofuran B.p., 66.1 624, 700, 708, 1114, 1854
C_4H_8OS	2-(Methylthio)propional-dehyde 143
C_4H_8OS	1,4-Oxathiane B.p., 149.2 144
$C_4H_8O_2$	Butyric acid B.p., 162.45 1171, 1177-1179, 1900
$C_4H_8O_2$	p-Dioxane B.p., 101 145, 748, 772, 789, 913, 1032, 1180-1184, 1874
$C_4H_8O_2$	Ethoxyacetaldehyde B.p., 105 146
$C_4H_8O_2$	Ethyl acetate B.p., 77.05 552, 560, 625, 690, 749, 790, 1033, 1061, 1185-1191, 1893, 1901, 1928
$C_4H_8O_2$	2-Hydroxybutyraldehyde 147
$C_4H_8O_2$	Isobutyric acid B.p., 154.5 148, 1192-1194
$C_4H_8O_2$	Isopropyl formate B.p., 68.8 580, 1157, 1845
$C_4H_8O_2$	3-Methoxypropionaldehyde 149
$C_4H_8O_2$	2-Methyl-1,3-dioxolane B.p., 82.5 150
$C_4H_8O_2$	Methyl propionate B.p., 79.7 151, 626, 1034, 1697, 1756
$C_4H_8O_2$	Propyl formate B.p., 80.9 1195
$C_4H_8O_2$	2-Vinyloxyethanol B.p., 143 152, 870
$C_4H_8O_3$	Ethylene glycol mono-acetate 871
C_4H_8S	Tetrahydrothiophene B.p., 120.79 1196-1202
C_4H_9Cl	1-Chlorobutane B.p., 77.9 1203
C_4H_9Cl	1-Chloro-2-methylpropane B.p., 68.9 1035, 1158
$C_4H_9Cl_3Sn$	Butyltin trichloride B.p., 113/17 mm. 1204, 1902
C_4H_9NO	N,N-Dimethylacetamide B.p., 165 750
C_4H_9NO	Morpholine B.p., 128.3 153, 1206, 1207
$C_4H_9NO_2$	N-(2-Hydroxyethyl) acetamide 154
$C_4H_9NO_3$	2-Methyl-2-nitro-1-propanol 1208
C_4H_{10}	Butane B.p., -0.5 528, 679, 740, 743, 769
C_4H_{10}	2-Methylpropane B.p., -11.70 675, 1698
$C_4H_{10}O$	Butyl alcohol B.p., 117.75 155, 553, 597, 627, 685, 751, 777, 791, 914, 1021, 1027, 1120, 1146, 1180, 1203, 1209-1231, 1787-1799, 1904-1907, 1935
$C_4H_{10}O$	sec-Butyl alcohol B.p., 99.5 156, 598, 778, 792, 1022, 1028, 1159, 1209, 1232-1237, 1787, 1800-1807
$C_4H_{10}O$	tert-Butyl alcohol B.p., 82.41 599, 779, 1023, 1029, 1800
$C_4H_{10}O$	Ethyl ether B.p., 34.5 5, 157, 561, 581, 741, 966, 1036, 1211, 1239
$C_4H_{10}O$	Isobutyl alcohol B.p., 107 158, 600, 780, 915, 1024, 1030, 1121, 1172, 1181, 1185, 1210, 1238, 1783, 1808, 1874, 1903
$C_4H_{10}O_2$	1,4-Butanediol B.p., 230 1241
$C_4H_{10}O_2$	1,1-Dimethoxyethane B.p., 64.5 1173, 1784
$C_4H_{10}O_2$	1,2-Dimethoxyethane B.p., 85.2 159, 1240

Formula	Name and System Nos.
$C_4H_{10}O_2$	2-Ethoxyethanol B.p., 134.0 160, 793, 1186, 1242-1277, 1809, 1810, 1908, 1909
$C_4H_{10}O_3$	Diethylene glycol B.p., 245.5 161, 1154, 1278-1298
$C_4H_{10}S$	1-Butanethiol B.p., 98/770 mm. 1212, 1788
$C_4H_{10}S$	2-Butanethiol B.p., 85.15 1133, 1299
$C_4H_{10}S$	Ethyl sulfide B.p., 92.07 1300-1308
$C_4H_{10}S$	Isopropyl methyl sulfide B.p., 84.76 1134, 1299, 1309-1316
$C_4H_{10}S$	Methyl propyl sulfide 1317-1324 B.p., 95.47
$C_4H_{10}S_2$	Ethyl disulfide B.p., 154.11 1325, 1326
$C_4H_{11}N$	Butylamine B.p., 77.8 162, 794, 1037, 1213, 1719, 1758, 1789, 1811, 1904
$C_4H_{11}N$	Diethylamine B.p., 55.5 163, 628, 795, 909, 1327, 1328, 1704, 1812
$C_4H_{11}NO$	2-Dimethylaminoethanol B.p., 134.6 164, 908, 1739
$C_4H_{11}NO_2$	2,2'-Iminodiethanol 165, 910, 912, 1329
$C_5Cl_2F_6$	1,2-Dichlorohexafluoro-cyclopentene B.p., 90.6 1123, 1330
C_5F_{10}	Perfluorocyclopentane B.p., 25/833 mm. 61, 1331, 1332
C_5F_{12}	Perfluoropentane B.p., 40.86/1140 mm. 2, 60, 62, 1331
$C_5H_4F_8O$	2,2,3,3,4,4,5,5-Octafluoro-1-pentanol 1333, 1334
$C_5H_4O_2$	2-Furaldehyde B.p., 162 166, 554, 1187, 1335-1339, 1910-1913
C_5H_5N	Pyridine B.p., 115.5 167, 589, 752, 1003, 1177, 1214, 1340-1349, 1678, 1689, 1813-1818, 1859-1865, 1892, 1900, 1905, 1914, 1915, 1936, 1937
$C_5H_6N_2$	2-Methylpyrazine 168 B.p., 133/737 mm.
C_5H_6O	2-Methylfuran B.p., 63 169, 965, 973, 1160
$C_5H_6O_2$	Furfuryl alcohol 1335
C_5H_6S	2-Methylthiophene B.p., 111.92 900, 1350-1353
C_5H_6S	3-Methylthiophene 1354-1360 B.p., 114.96
C_5H_7ClO	2-Chloroallyl vinyl ether 935
C_5H_7N	3-Methyl-3-butenenitrile 170 B.p., 137
C_5H_8	Cyclopentene B.p., 44.4 974
C_5H_8	Isoprene B.p., 34.3 629, 1361-1365
C_5H_8	3-Methyl-1,2-butadiene 630 B.p., 40.8
C_5H_8	cis-1,3-Pentadiene 631 B.p., 44
C_5H_8	trans-1,3-Pentadiene 632 B.p., 42.0
$C_5H_8Cl_4$	Tetrachloropentane 931, 1366
C_5H_8O	Allyl vinyl ether 171, 959 B.p., 67.4
C_5H_8O	Cyclopentanone B.p., 130 172, 1367-1369
C_5H_8O	1-Methoxy-1,3-butadiene 173, 633 B.p., 90.7
C_5H_8O	3-Penten-2-one 174 B.p., 123.5
C_5H_8O	3-Methyl-3-buten-2-one 175 B.p., 97.9
C_5H_8O	4-Pentenal B.p., 106 176
$C_5H_8O_2$	Allyl acetate B.p., 104.1 177, 960
$C_5H_8O_2$	3,3-Dimethoxypropyne 1742 B.p., 111
$C_5H_8O_2$	Ethyl acrylate B.p., 99.5 178, 796, 933, 1370, 1720, 1744, 1819
$C_5H_8O_2$	Isopropenyl acetate B.p., 97.4 179, 945, 1150, 1373
$C_5H_8O_2$	Methyl methacrylate B.p., 100.8 180, 1215, 1242, 1371, 1372
$C_5H_8O_2$	2,4-Pentanedione (acetyl acetone) B.p., 140.6 181, 1373
$C_5H_8O_2$	Δ-Valerolactone 182
$C_5H_8O_2$	Vinyl propionate 183 B.p., 95.0
$C_5H_8O_3$	Methyl acetoacetate 1192 B.p., 171.7
C_5H_{10}	Cyclopentane B.p., 49.35 894, 975, 1374, 1375
C_5H_{10}	2-Methyl-1-butene B.p., 31.10 635, 797, 896, 1362
C_5H_{10}	3-Methyl-1-butene B.p., 21.2 634, 1361, 1376
C_5H_{10}	2-Methyl-2-butene B.p., 38.60 636, 895, 1363, 1377
C_5H_{10}	1-Pentene B.p., 29.92 637, 946, 976
C_5H_{10}	cis-2-Pentene B.p., 37.1 638
$C_5H_{10}Cl_2O_2$	Bis(2-chloroethoxy) methane B.p., 218.1 184

Formula	Name and System Nos.
$C_5H_{10}N_2$	3-Dimethylaminopropionitrile B.p., 174.5 185
$C_5H_{10}O$	cis-1-Butenyl methyl ether B.p., 72.0 186, 1721
$C_5H_{10}O$	trans-1-Butenyl methyl ether B.p., 76.7 187
$C_5H_{10}O$	Ethyl isopropenyl ether 188 B.p., 61.9
$C_5H_{10}O$	Isopropyl vinyl ether B.p., 55.7 189, 798, 1038
$C_5H_{10}O$	3-Methyl-2-butanone 1378, 1379 B.p., 95.4
$C_5H_{10}O$	2-Pentanone B.p., 102.2 639, 799, 1039, 1380, 1820
$C_5H_{10}O$	3-Pentanone B.p., 102 1062, 1381-1384, 1768
$C_5H_{10}O$	Propyl vinyl ether B.p., 65.1 190, 800, 1722
$C_5H_{10}O$	Tetrahydropyran B.p., 88 191
$C_5H_{10}O$	Valeraldehyde B.p., 103.3 192, 193
$C_5H_{10}OS$	2-Methylthioethyl vinyl ether 1073
$C_5H_{10}O_2$	Ethyl propionate 194 B.p., 99.1
$C_5H_{10}O_2$	Isopropyl acetate B.p., 88.7 640, 753, 947, 1151, 1385, 1723, 1750, 1759, 1888, 1894
$C_5H_{10}O_2$	3-Methoxybutyraldehyde 195 B.p., 131
$C_5H_{10}O_2$	Propyl acetate B.p., 101.6 196, 1063, 1243, 1769
$C_5H_{10}O_2$	Valeric acid B.p., 187 197, 198, 1386
$C_5H_{10}O_2$	3-Vinyloxy-1-propanol 200, 1095, 1107
$C_5H_{10}O_2$	1-Vinyloxy-2-propanol 199
$C_5H_{10}O_3$	3-Ethoxypropionic acid 201 B.p., 219.2
$C_5H_{10}O_3$	3-Methoxybutyric acid 202
$C_5H_{10}O_3$	Methoxymethyl propionate 203
$C_5H_{11}N$	Piperidine B.p., 106 1340
$C_5H_{11}NO$	N,N-Dimethylpropionamide B.p., 175.5 1004
$C_5H_{11}NO$	4-Methylmorpholine 204 B.p., 115.6
C_5H_{12}	2-Methylbutane B.p., 27.90 641, 897, 1364, 1376
C_5H_{12}	Pentane B.p., 36.15 205, 642, 719, 754, 898, 948, 977, 1365, 1377, 1387-1391
$C_5H_{12}N_2$	1-Methylpiperazine 206 B.p., 138.0
$C_5H_{12}O$	Active amyl alcohol B.p., 128.5 1333, 1367, 1398-1411
$C_5H_{12}O$	Amyl alcohol B.p., 137.9 643, 801, 1392-1397, 1821
$C_5H_{12}O$	Butyl methyl ether 802, 1724 B.p., 70.3
$C_5H_{12}O$	Isoamyl alcohol B.p., 131.85 1153, 1334, 1368, 1398, 1412-1426, 1725, 1822, 1914
$C_5H_{12}O$	2-Methyl-1-butanol B.p., 128.9 1369, 1427, 1428
$C_5H_{12}O$	2-Methyl-2-butanol 1429, 1430 B.p., 101.7
$C_5H_{12}O$	3-Pentanol B.p., 115.6 1341
$C_5H_{12}O_2$	1,2-Dimethoxypropane 207 B.p., 92
$C_5H_{12}O_2$	2,2-Dimethoxypropane 644, 803 B.p., 80
$C_5H_{12}O_2$	1-Ethoxy-2-propanol 208 B.p., 132.2
$C_5H_{12}O_2$	3-Methoxy-1-butanol 209 B.p., 161.1
$C_5H_{12}O_2$	1,5-Pentanediol 210 B.p., 242.5
$C_5H_{12}O_2$	2-Propoxyethanol 211 B.p., 151.5
$C_5H_{12}O_3$	2-(2-Methoxyethoxy) ethanol B.p., 194.2 872, 1278, 1431-1454
$C_5H_{12}S$	Ethyl isopropyl sulfide 901 B.p., 107.22
$C_5H_{12}S$	3-Methyl-1-butanethiol 1412, 1822 B.p., 116
$C_5H_{13}N$	N-Methylbutylamine 212 B.p., 91.1
$C_5H_{13}NO$	1-Ethylamino-2-propanol 213 B.p., 159.4
$C_5H_{14}N_2$	N,N-Dimethyl-1,3-propanediamine B.p., 1349 214
$C_6F_{12}O$	Perfluorocyclic ether 1455
C_6F_{14}	Perfluorohexane 918, 1332, 1455, 1456, 1457
$C_6H_3Cl_3$	1,2,4-Trichlorobenzene 1458 B.p., 213
$C_6H_4Cl_2$	o-Dichlorobenzene 1459, 1460 B.p., 179
C_6H_5Br	Bromobenzene B.p., 156.1 1461
C_6H_5Cl	Chlorobenzene B.p., 131 1064, 1116, 1399, 1413, 1462, 1463, 1889
C_6H_5F	Fluorobenzene B.p., 84.9 1464
C_6H_5FO	o-Fluorophenol 1400, 1414
$C_6H_5NO_2$	Nitrobenzene 1465 B.p., 210.85

Formula	Name and System Nos.
C_6H_6	Benzene B.p., 80.1 38, 555, 601, 645, 720, 733, 804, 867, 916, 932, 949, 978, 1015, 1040, 1065, 1074, 1096, 1135, 1161, 1182, 1188, 1216, 1238, 1279, 1300, 1336, 1374, 1387, 1392, 1429, 1464, 1466-1479, 1711, 1740, 1743, 1760, 1770, 1775, 1780, 1801, 1820, 1823, 1848, 1855, 1858, 1875-1879, 1889, 1890, 1895-1897, 1899, 1901, 1903, 1906, 1910, 1916, 1917, 1929-1933, 1938
C_6H_6O	Phenol B.p., 182 1162, 1480-1488, 1918, 1919
$C_6H_6O_2$	Pyrocatechol B.p., 245.9 1489
C_6H_7N	Aniline B.p., 184.35 215, 805, 873, 1490-1498, 1880, 1881, 1920-1922, 1939
C_6H_7N	2-Picoline B.p., 134 721, 755, 1401, 1415, 1499-1501, 1824, 1966-1869
C_6H_7N	3-Picoline B.p., 144.1 216, 1502
C_6H_7N	4-Picoline B.p., 144.3 217
C_6H_8	1,3-Cyclohexadiene 979 B.p., 80.25
C_6H_8ClN	Aniline hydrochloride 1503
$C_6H_8N_2$	2-Amino-3-methylpyridine 1504, 1505 B.p., 221
$C_6H_8N_2$	2,5-Dimethylpyrazine B.p., 154/742 mm. 218
C_6H_8O	2,5-Dimethylfuran B.p., 93.3 219, 646, 1163, 1385
C_6H_8O	2,4-Hexadienal B.p., 171 220
$C_6H_8O_2$	1,3-Butadienyl acetate 221 B.p., 138.5
$C_6H_8O_2$	Vinyl crotonate 222 B.p., 133.9
$C_6H_9N_3$	3,3'-Iminodipropionitrile 223
C_6H_{10}	Cyclohexene B.p., 83.1 980
C_6H_{10}	2-Ethyl-1,3-butadiene 224 B.p., 66.9
C_6H_{10}	1,3-Hexadiene B.p., 72.9 647, 806, 1041
C_6H_{10}	2,4-Hexadiene B.p., 82 648, 807, 1042
C_6H_{10}	3-Methylcyclopentene 808 B.p., 64.9
C_6H_{10}	3-Methyl-1,3-pentadiene B.p., 77 649, 809, 1043
$C_6H_{10}O$	Cyclohexanone B.p., 155.6 225, 1480, 1506, 1825, 1918
$C_6H_{10}O$	2-Ethylcrotonaldehyde 226, 1779 B.p., 135.3
$C_6H_{10}O$	2-Hexenal B.p., 149 227
$C_6H_{10}O$	Mesityl oxide B.p., 129.5 1044, 1174, 1402, 1416, 1507-1511
$C_6H_{10}O$	2-Methylcyclopentanone 1393 B.p., 138
$C_6H_{10}O$	2-Methyl-2-pentenal 229 B.p., 138.7
$C_6H_{10}O$	5-Penten-2-one 228 B.p., 128.9
$C_6H_{10}O_2$	Ethyl crotonate 230 B.p., 137.8
$C_6H_{10}O_2$	Vinyl butyrate 231 B.p., 116.7
$C_6H_{10}O_2$	Vinyl isobutyrate 232 B.p., 105.4
$C_6H_{10}O_4$	Ethylene.diacetate B.p., 186 233, 1481, 1919
$C_6H_{11}N$	Diallylamine B.p., 110.5 234
$C_6H_{11}NO$	6-Caprolactam 235
$C_6H_{11}NO_3$	2-Methyl-2-nitropropyl vinyl ether 236, 1208
C_6H_{12}	Cyclohexane B.p., 80.6 39, 237, 602, 650, 734, 810, 950, 961, 981, 1013, 1045, 1066, 1075, 1108, 1136, 1147, 1164, 1189, 1217, 1301, 1309, 1337, 1378, 1380, 1388, 1465, 1466, 1512-1519, 1726, 1771, 1776, 1781, 1848, 1855, 1876, 1890, 1893, 1895-1897, 1899, 1901, 1903, 1906, 1910, 1916, 1929
C_6H_{12}	2,3-Dimethyl-1-butene 982 B.p., 55.62
C_6H_{12}	2,3-Dimethyl-2-butene 983 B.p., 73.38
C_6H_{12}	3,3-Dimethyl-1-butene 984 B.p., 41.4
C_6H_{12}	2-Ethyl-1-butene 811, 985 B.p., 64.95
C_6H_{12}	1-Hexene B.p., 63.49 812, 986, 1109
C_6H_{12}	cis-2-Hexene B.p., 68.8 813, 987
C_6H_{12}	cis-3-Hexene B.p., 66.4 651, 814
C_6H_{12}	Methylcyclopentane B.p., 71.8 815, 951, 991, 1110, 1137, 1310, 1389, 1467, 1520, 1521, 1875, 1938
C_6H_{12}	cis-3-Methyl-2-pentene 816, 988 B.p., 70.52
C_6H_{12}	trans-3-Methyl-2-pentene 817 B.p., 67.6
C_6H_{12}	4-Methyl-1-pentene 989 B.p., 54.0
C_6H_{12}	4-Methyl-2-pentene 238, 818 B.p., 56.7

Formula	Name and System Nos.
C_6H_{12}	trans-4-Methyl-2-pentene 990 B.p., 58.4
C_6H_{12}	1,1,2-Trimethylcyclopropane B.p., 52.6 952
$C_6H_{12}Cl_2O$	Bis(chloroisopropyl)ether 239, 1014 B.p., 187.0
$C_6H_{12}Cl_2O_2$	1,2-Bis(2-chloroethoxy) ethane B.p., 240.9 240
$C_6H_{12}O$	Butyl vinyl ether B.p., 94.2 241, 652, 819, 1218, 1790
$C_6H_{12}O$	Cyclohexanol B.p., 160.55 242, 1461, 1482, 1490, 1506, 1512, 1522, 1523, 1825, 1918, 1920
$C_6H_{12}O$	2-Ethylbutyraldehyde 243 B.p., 116.7
$C_6H_{12}O$	2-Hexanone B.p., 127.2 1772
$C_6H_{12}O$	Hexanal B.p., 128.3 245, 1219
$C_6H_{12}O$	Isobutyl vinyl ether B.p., 83.4 244, 820, 1727
$C_6H_{12}O$	2-Methylvaleraldehyde B.p., 118.3 246, 1067, 1773
$C_6H_{12}O$	4-Methyl-2-pentanone B.p., 116.2 582, 653, 953, 1046, 1468, 1513, 1524, 1525, 1761, 1840, 1916
$C_6H_{12}OS$	2-Ethylthioethyl vinyl ether B.p., 169.7 247
$C_6H_{12}O_2$	Butyl acetate B.p., 126.2 583, 954, 1190, 1220, 1232, 1244, 1526-1528, 1785, 1791, 1826, 1827, 1907, 1935
$C_6H_{12}O_2$	sec-Butyl acetate B.p., 112.3 1233, 1526, 1802, 1826, 1828, 1906
$C_6H_{12}O_2$	2-Ethylbutyric acid 248 B.p., 194.2
$C_6H_{12}O_2$	2-Ethyl-2-methyl-1,3-dioxolane B.p., 117.6 251
$C_6H_{12}O_2$	Hexanoic acid B.p., 205.15 249, 1529, 1530
$C_6H_{12}O_2$	4-Hydroxy-4-methyl-2-pentanone (diacetone alcohol) B.p., 161 250, 1508
$C_6H_{12}O_2$	2-Methylpentanoic acid 252 B.p., 196.4
$C_6H_{12}O_2$	Tetrahydropyran-2-methanol B.p., 187.2 254
$C_6H_{12}O_2$	4-Vinyloxy-1-butanol 253, 1241
$C_6H_{12}O_2S$	2,4-Dimethylsulfolane 1532, 1533
$C_6H_{12}O_3$	2-Ethoxyethyl acetate B.p., 156.2 255, 1534, 1829
$C_6H_{12}O_3$	Methyl 3-ethoxypropionate 256
$C_6H_{12}O_3$	Paraldehyde B.p., 124 821, 1499, 1535, 1536, 1710, 1824
$C_6H_{12}O_3$	2-(2-Vinyloxyethoxy)-ethanol 257, 1280
$C_6H_{13}Cl$	1-Chlorohexane 258 B.p., 134.5
$C_6H_{13}N$	Cyclohexylamine B.p., 124.5 259, 1491, 1514, 1920
$C_6H_{13}N$	Hexamethyleneimine 260 B.p., 138
$C_6H_{13}NO$	N,N-Dimethylbutyramide B.p., 124.5/100 mm. 1178
$C_6H_{13}NO$	2,6-Dimethylmorpholine 261 B.p., 146.6
$C_6H_{13}NO$	4-Ethylmorpholine 262 B.p., 138.3
$C_6H_{13}NO_2$	4-Morpholineethanol 263 B.p., 225.5
C_6H_{14}	2,2-Dimethylbutane B.p., 49.74 586, 654, 899, 992, 1375
C_6H_{14}	2,3-Dimethylbutane B.p., 58.05 955, 993, 1111, 1165
C_6H_{14}	Hexane B.p., 68.60 40, 264, 657, 756, 822, 956, 962, 994, 1005, 1112, 1115, 1138, 1166, 1175, 1195, 1221, 1456, 1462, 1469, 1492, 1515, 1520, 1537-1539, 1728, 1753, 1782, 1786, 1792, 1852, 1853, 1877, 1887, 1930, 1938
C_6H_{14}	2-Methylpentane B.p., 60.27 655, 823, 995
C_6H_{14}	3-Methylpentane 565, 996 B.p., 63.28
$C_6H_{14}N_2$	2,5-Dimethylpiperazine B.p., 164 265, 1245, 1394
$C_6H_{14}N_2O$	4-(2-Aminoethyl)morpholine B.p., 204.7 266
$C_6H_{14}N_2O$	1-Piperazineethanol 267 B.p., 246.3
$C_6H_{14}O$	Isopropyl propyl ether 1732
$C_6H_{14}O$	Butyl ethyl ether B.p., 92.2 268, 658, 824, 1729, 1762
$C_6H_{14}O$	2-Ethyl-1-butanol B.p., 147.0 269, 1540, 1541
$C_6H_{14}O$	Ethyl isobutyl ether 1730 B.p., 79

Formula	Name and System Nos.
$C_6H_{14}O$	Hexyl alcohol B.p., 157.85 270, 874, 1542, 1323
$C_6H_{14}O$	Isopropyl ether B.p., 68.0 271, 701, 709, 742, 757, 825, 963, 1152, 1183, 1327, 1370, 1543, 1705, 1731, 1751, 1763, 1812, 1819, 1830, 1841, 1891, 1894
$C_6H_{14}O$	2-Methyl-1-pentanol 272 B.p., 148
$C_6H_{14}O$	4-Methyl-2-pentanol 273, 1544 B.p., 131.8
$C_6H_{14}OS$	2-Butylthioethanol 1545
$C_6H_{14}O_2$	2-Butoxyethanol B.p., 171.2 1191, 1222, 1527, 1546-1557
$C_6H_{14}O_2$	1,1-Diethoxyethane 274 B.p., 102.1
$C_6H_{14}O_2$	1,2-Diethoxyethane 826, 1543 B.p., 121.1
$C_6H_{14}O_2$	1,1-Dimethoxybutane B.p., 114 275, 659, 1176
$C_6H_{14}O_2$	2,2-Dimethoxybutane 660 B.p., 106-7
$C_6H_{14}O_2$	1,3-Dimethoxybutane 276 B.p., 120.3
$C_6H_{14}O_2$	1,1-Dimethoxy-2-methylpropane B.p., 104.7 277
$C_6H_{14}O_2$	Hexylene glycol 1558, 1559, 1923
$C_6H_{14}O_2$	2-Methyl-1,5-pentanediol 278 B.p., 242.4
$C_6H_{14}O_2$	3-Methyl-1,5-pentanediol 279 B.p., 248.4
$C_6H_{14}O_3$	Bis(2-methoxyethyl)ether 280 B.p., 162
$C_6H_{14}O_3$	Dipropylene glycol 1097, 1560, 1561
$C_6H_{14}O_3$	2-(2-Ethoxyethoxy)ethanol B.p., 202.8 281, 875, 1246, 1281, 1562, 1563
$C_6H_{14}O_4$	Triethylene glycol B.p., 288.7 1282, 1564-1568
$C_6H_{14}S$	Isopropyl sulfide 1196 B.p., 119.25
$C_6H_{15}N$	Diisopropylamine B.p., 84.1 282, 1047, 1764
$C_6H_{15}N$	1,3-Dimethylbutylamine 283 B.p., 108.5
$C_6H_{15}N$	Dipropylamine B.p., 109 284
$C_6H_{15}N$	N-Ethylbutylamine 285 B.p., 111.2
$C_6H_{15}N$	Hexylamine B.p., 132.7 286, 1048
$C_6H_{15}N$	Triethylamine B.p., 89.4 287, 827, 1706, 1830, 1857, 1927
$C_6H_{15}NO$	2-Butylaminoethanol 288 B.p., 199.3
$C_6H_{15}NO$	2-Diethylaminoethanol 289, 1328 B.p., 162.1
$C_6H_{15}NO$	1-Isopropylamino-2-propanol B.p., 164.5 290
$C_6H_{15}NO_2$	1,1'-Iminodi-2-propanol B.p., 185/100 mm. 1117, 1569
$C_6H_{15}NO_3$	2,2',2''-Nitrilotriethanol 1329
$C_6H_{15}N_3$	4-(2-Aminoethyl)piperazine B.p., 222.0 291
$C_6H_{16}N_2$	N,N-Diethylethylenediamine B.p., 144.9 292
$C_6H_{16}N_2$	N,N,N',N'-Tetramethylethylenediamine 293 B.p., 119
$C_6H_{16}OSi$	1-(Trimethylsiloxy)propane B.p., 100.3/735 mm. 1068
C_7F_{14}	Perfluoro(methylcyclohexane) B.p., 73-78 1470
C_7F_{16}	Perfluoroheptane B.p., 83 371, 1390, 1471, 1537, 1570-1573
C_7H_n	C_7 Hydrocarbons B.p., 95-120 1417, 1427
$C_7H_5F_3$	*a,a,a*-Trifluorotoluene 20 B.p., 103.9
$C_7H_6O_2$	Benzoic acid 1574
C_7H_7F	o-Fluorotoluene B.p., 114 1403, 1418
C_7H_8	Toluene B.p., 110.7 294, 556, 661, 828, 876, 902, 917, 967, 1049, 1069, 1098, 1118, 1122, 1132, 1184, 1197, 1223, 1342, 1404, 1419, 1428, 1430, 1493, 1516, 1521, 1534, 1538, 1575-1582, 1733, 1754, 1765, 1777, 1778, 1809, 1829, 1831, 1832, 1842, 1880, 1882, 1905, 1911, 1912, 1914, 1920, 1921, 1934, 1939
C_7H_8O	Benzyl alcohol B.p., 205.2 877, 1583
C_7H_8O	x-Cresol B.p., 202 1586-1588, 1924-1926
C_7H_8O	o-Cresol B.p., 191 878, 1585, 1883
C_7H_8O	m- and p-Cresol B.p., 202 1584, 1589, 1590
C_7H_8O	p-Cresol B.p., 201.7 1575, 1591
$C_7H_8O_2$	Guaiacol B.p., 205.0 295
C_7H_9ClO	2-Chloroallylidene diacetate B.p., 212.1 296
C_7H_9N	2,6-Lutidine B.p., 144 297, 758, 1405, 1420, 1502, 1593, 1870-1872

Formula	Name and System Nos.
C_7H_9N	N-Methylaniline 879, 1494, 1592
C_7H_9N	Pyridine bases 1586-1588, 1924-1926
C_7H_9N	Tetrahydrobenzonitrile 298 B.p., 195.1
C_7H_9N	o-Toluidine B.p., 200.7 1594
$C_7H_{10}O$	1,2,3,6-Tetrahydrobenzaldehyde B.p., 164.2 299
$C_7H_{10}O_4$	Allylidene diacetate 300
C_7H_{12}	2,4-Dimethyl-1,3-pentadiene B.p., 93.3 301
C_7H_{12}	1,3-Heptadiene 829
C_7H_{12}	2,4-Heptadiene 830
$C_7H_{12}Cl_4$	Tetrachloroheptane 1366
$C_7H_{12}O$	3-Hepten-2-one 302, 1509 B.p., 162.9
$C_7H_{12}O_2$	Butyl acrylate B.p., 147 303, 1224, 1793
$C_7H_{12}O_2$	Cyclohexyl formate 1522
$C_7H_{12}O_2$	2-Ethoxy-3,4-dihydro-1,2-pyran B.p., 142.9 304
$C_7H_{12}O_4$	Pimelic acid 305
C_7H_{14}	1,1-Dimethylcyclopentane B.p., 87.85 831, 1303, 1312, 1320
C_7H_{14}	cis-1,2-Dimethylcyclopentane B.p., 99.53 832
C_7H_{14}	trans-1,2-Dimethylcyclopentane B.p., 91.87 833
C_7H_{14}	cis-1,3-Dimethylcyclopentane B.p., 91.73 834
C_7H_{14}	trans-1,3-Dimethylcyclopentane B.p., 90.77 662, 835, 1139, 1302, 1311, 1319
C_7H_{14}	2,3-Dimethyl-1-pentene 836 B.p., 84.2
C_7H_{14}	Ethylcyclopentane B.p., 103.47 837, 1317, 1354
C_7H_{14}	trans-2-Heptene 1076 B.p., 98.0
C_7H_{14}	Methylcyclohexane B.p., 101.05 903, 1167, 1234, 1304, 1318, 1338, 1381, 1391, 1472, 1539, 1576, 1595, 1734, 1803, 1878, 1911, 1913, 1921, 1931
C_7H_{14}	1,1,2,2-Tetramethylcyclopropane B.p., 75.9 838
$C_7H_{14}O$	Butyl isopropenyl ether 306 B.p., 114.8
$C_7H_{14}O$	2,4-Dimethyl-3-pentanone 1406, 1421 B.p., 125
$C_7H_{14}O$	3-Heptanone B.p., 147.6 307
$C_7H_{14}O$	4-Dimethyl-3-pentanone 308 B.p., 143.7
$C_7H_{14}O$	5-Methyl-2-hexanone 309 B.p., 144
$C_7H_{14}O_2$	Amyl acetate B.p., 146 310
$C_7H_{14}O_2$	Heptanoic acid 1597 B.p., 222.0
$C_7H_{14}O_3$	Ethyl 3-ethoxypropionate 311 B.p., 170.1
$C_7H_{14}O_3$	3-Methoxybutyl acetate 312 B.p., 171.3
$C_7H_{14}O_4$	2-(2-Methoxyethoxy)ethyl acetate B.p., 208.9 313
$C_7H_{15}N$	1,2-Dimethylpiperidine 1407, 1422 B.p., 128
$C_7H_{15}N$	2,6-Dimethylpiperidine B.p., 128 1386, 1408, 1423
$C_7H_{15}NO$	N,N-Dimethylvaleramide B.p., 141/100 mm. 1386
C_7H_{16}	2,2-Dimethylpentane B.p., 79.20 41, 839, 1113, 1316
C_7H_{16}	2,3-Dimethylpentane B.p., 89.78 42, 840, 1140, 1306, 1314, 1322, 1473, 1917
C_7H_{16}	2,4-Dimethylpentane B.p., 80.50 43, 735, 841, 997, 1141, 1307, 1315, 1474, 1517
C_7H_{16}	3,3-Dimethylpentane 842 B.p., 86.07
C_7H_{16}	3-Ethylpentane 843 B.p., 93.47
C_7H_{16}	Heptane B.p., 98.25 314, 663, 722, 759, 844, 904, 957, 968, 998, 1006, 1119, 1124, 1142, 1148, 1168, 1225, 1235, 1339, 1343, 1350, 1355, 1379, 1382, 1475, 1495, 1518, 1570, 1577, 1595, 1598-1600, 1735, 1794, 1804, 1813, 1859, 1879, 1881, 1882, 1912, 1913, 1922, 1932, 1939
C_7H_{16}	2-Methylhexane B.p., 90.05 664, 845, 999
C_7H_{16}	3-Methylhexane B.p., 91.85 665, 846, 1000, 1305, 1313, 1321
C_7H_{16}	2,2,3-Trimethylbutane B.p., 80.88 44, 666, 1001, 1519
$C_7H_{16}O$	3-Heptanol B.p., 156.4 1155
$C_7H_{16}O$	5-Methyl-2-hexanol 315

Formula	Name and System Nos.
$C_7H_{16}O_2$	1-Butoxy-2-methoxyethane 316 B.p., 149.9
$C_7H_{16}O_2$	1-tert-Butoxy-2-methoxyethane 1077
$C_7H_{16}O_2$	1-Butoxy-2-propanol 317 B.p., 170.1
$C_7H_{16}O_2$	2-Ethyl-1,5-pentanediol 318 B.p., 253.3
$C_7H_{16}O_2$	Dipropoxymethane 1774 B.p., 146.6
$C_7H_{16}O_3$	Dipropylene glycol methyl ether 1601
$C_7H_{16}O_3$	1-(2-Ethoxyethoxy)-2-propanol B.p., 198.1 319
$C_7H_{16}O_3$	2-Ethoxyethyl 2-methoxyethyl ether 320
$C_7H_{16}O_3$	2-(2-Propoxyethoxy) ethanol B.p., 215.8 321
$C_7H_{17}NO$	1-Diethylamino-2-propanol B.p., 159.5 322
$C_7H_{18}N_2$	3-Diethylaminopropylamine B.p., 169.4 323
$C_7H_{18}OSi$	(Trimethylsiloxy)butane 1226
$C_8F_{16}O$	Perfluorocyclic oxide B.p., 102.6 1125, 1330, 1571, 1596, 1602-1604
$C_8F_{18}O$	Perfluorobutyl ether 1476, 1598 B.p., 100
$C_8H_5Cl_3$	ar-Trichlorostyrene 1605
$C_8H_6Cl_2$	ar-Dichlorostyrene 1431
C_8H_6O	Coumarone B.p., 173 1099
C_8H_7N	Indole B.p., 253 1283
C_8H_8	Styrene B.p., 67.9/57 324, 1070, 1078, 1247, 1606, 1736, 1898, 1908
$C_8H_8Cl_2O_2$	2-(2,4-Dichlorophenoxy) ethanol 325
C_8H_8O	Acetophenone B.p., 201.6 326
C_8H_8O	(Epoxyethyl)benzene 327 B.p., 194.2
$C_8H_8O_2$	Phenyl acetate B.p., 195.1 1483, 1919
$C_8H_8O_3$	Methyl salicylate 1608 B.p., 222.3
C_8H_{10}	Ethylbenzene B.p., 136.15 328, 1011, 1071, 1079, 1126, 1193, 1227, 1248, 1284, 1344, 1409, 1424, 1558, 1599, 1606, 1609-1614, 1860, 1873, 1898, 1908, 1915, 1923, 1936
C_8H_{10}	m-Xylene B.p., 139 329, 728, 1012, 1127, 1129, 1194, 1249, 1535, 1607, 1615, 1616
C_8H_{10}	o-Xylene B.p., 143.1/735 mm. 760, 880, 1100, 1250, 1345, 1617, 1861, 1937
C_8H_{10}	p-Xylene B.p., 138.35 667, 729, 1072, 1080, 1128, 1251, 1285, 1536, 1618
$C_8H_{10}O$	α-Methylbenzyl alcohol 330 B.p., 203.4
$C_8H_{11}N$	N,N-Dimethylaniline B.p., 194.05 881, 1496, 1592
$C_8H_{11}N$	N-Ethylaniline 331 B.p., 204.8
$C_8H_{11}N$	α-Methylbenzylamine 332 B.p., 188.6
$C_8H_{11}N$	2-Methyl-5-ethylpyridine 333, 1578 B.p., 178.3
$C_8H_{11}N$	x-Methyl-1,2,3,6-tetrahydrobenzonitrile 334 B.p., 205.4
$C_8H_{11}N$	s-Collidine B.p., 171.3 882, 1585, 1883
C_8H_{12}	4-Vinylcyclohexene 1081
$C_8H_{12}O$	2-Methyl-1,2,3,6-tetrahydrobenzaldehyde 335 B.p., 176.4
$C_8H_{12}O_2$	3,4-Dihydro-2,5-dimethyl-2H-pyran-2-carboxaldehyde B.p., 170.9 336
$C_8H_{12}O_4$	Diethyl fumarate 337 B.p., 218.1
C_8H_{14}	Diisobutylene B.p., 102.3 338, 1050, 1236, 1766, 1805
$C_8H_{14}O$	Bicyclo[2.2.1]-heptane-2-methanol B.p., 203.9 339
$C_8H_{14}O$	Cyclohexyl vinyl ether 1523
$C_8H_{14}O$	Diisobutylene oxide 340
$C_8H_{14}O$	2-Ethyl-2-hexenal 341, 668 B.p., 176
$C_8H_{14}O$	2-Octenal 342
$C_8H_{14}O_2$	Butyl methacrylate 1371
$C_8H_{14}O_2$	1,1-Diallyloxyethane 343 B.p., 150.9
$C_8H_{14}O_2$	2-Ethyl-3-hexenoic acid 344 B.p., 231.8
$C_8H_{14}O_2$	Vinyl 2-methylvalerate 345 B.p., 148.8
$C_8H_{14}O_3$	Bis(2-vinyloxyethyl)ether 346, 1619 B.p., 198.7
$C_8H_{14}O_3$	Butyl acetoacetate 347 B.p., 213.9
$C_8H_{14}O_3$	2-Ethoxyethyl methacrylate 1372

Formula	Name and System Nos.
$C_8H_{14}O_4$	Diethyl succinate 348 B.p., 216.2
$C_8H_{15}N$	2-(Aminoethyl)bicyclo [2.2.1]heptane 349 B.p., 185.9
C_8H_{16}	1,1-Dimethylcyclohexane 847 B.p., 119.54
C_8H_{16}	trans-1,2-Dimethylcyclohexane B.p., 123.42 1051, 1252
C_8H_{16}	1,3-Dimethylcyclohexane 1383 B.p., 120.3
C_8H_{16}	cis-1,3-Dimethylcyclohexane B.p., 120.09 1082
C_8H_{16}	trans-1,3-Dimethylcyclohexane B.p., 124.45 849, 905, 1198, 1356
C_8H_{16}	cis-1,4-Dimethylcyclohexane B.p., 124.32 848
C_8H_{16}	trans-1,4-Dimethylcyclohexane B.p., 119.35 850
C_8H_{16}	Ethylcyclohexane B.p., 131.85 1199, 1253, 1559, 1602, 1609, 1923
C_8H_{16}	1-Ethyl-1-methylcyclopentane B.p., 121.52 851
C_8H_{16}	cis-1-Ethyl-2-methylcyclopentane 1052 B.p., 128.05
C_8H_{16}	trans-1-Ethyl-2-methylcyclopentane B.p., 121.2 1053, 1083
C_8H_{16}	trans-1-Ethyl-3-methylcyclopentane B.p., 120.8 1054, 1084
C_8H_{16}	1-Octene B.p., 121.6 1610
C_8H_{16}	cis-2-Octene B.p., 125.6 1254
C_8H_{16}	1,1,2-Trimethylcyclopentane B.p., 113.73 1055, 1357
C_8H_{16}	1,1,3-Trimethylcyclopentane B.p., 104.89 1056, 1085
C_8H_{16}	1,cis-2,cis-3-Trimethylcyclopentane B.p., 123.0 1086
C_8H_{16}	1,cis-2,trans-3-Trimethyl cyclopentane B.p., 117.5 852, 1057
C_8H_{16}	1,trans-2,cis-3-Trimethylcyclopentane B.p., 110.2 1087
C_8H_{16}	1,cis-2,trans-4-Trimethylcyclopentane 1058 B.p., 116.73
C_8H_{16}	1,trans-2,cis-4-Trimethylcyclopentane 853 B.p., 109.29
C_8H_{16}	2,4,4-Trimethyl-1-pentene 493, 1088 B.p., 101.44
C_8H_{16}	2,4,4-Trimethyl-2-pentene 854 B.p., 104.91
$C_8H_{16}O$	2-Ethylhexanal 350, 1540 B.p., 163.6
$C_8H_{16}O$	2,4,4-Trimethyl-1,2-epoxypentane B.p., 140.9 351
$C_8H_{16}O$	2,4,4-Trimethyl-2,3-epoxypentane B.p., 127.3 352
$C_8H_{16}OS$	2-Butylthioethyl vinyl ether B.p., 210.5 353, 1545
$C_8H_{16}O_2$	2-Butoxyethyl vinyl ether 354
$C_8H_{16}O_2$	1,3-Dimethylbutyl acetate 1620 B.p., 146.1
$C_8H_{16}O_2$	2,3-Epoxy-2-ethylhexanol 355
$C_8H_{16}O_2$	2-Ethylbutyl acetate 356, 1542 B.p., 162.3
$C_8H_{16}O_2$	2-Ethylhexanoic acid 357, 1621 B.p., 227.6
$C_8H_{16}O_2$	Hexyl acetate B.p., 171.0 358
$C_8H_{16}O_2$	Iso-octanoic acid (isomers) B.p., 220 359
$C_8H_{16}O_2$	4-Methyl-2-pentyl acetate B.p., 146.1 360, 1510, 1524, 1544
$C_8H_{16}O_2$	Octanoic acid B.p., 238.5 1529, 1622
$C_8H_{16}O_3$	2-Butoxyethyl acetate 361 B.p., 192.2
$C_8H_{16}O_3$	2,5-Diethoxytetrahydrofuran B.p., 173.0 362
$C_8H_{16}O_3$	2-Ethoxyethyl 2-vinyloxyethyl ether B.p., 194.0 363
$C_8H_{16}O_4$	2-(2-Ethoxyethoxy)ethyl acetate B.p., 217.4 364, 1623
$C_8H_{17}Cl$	1-Chloro-2-ethylhexane 365 B.p., 173
$C_8H_{17}Cl$	3-(Chloromethyl)heptane 1541, 1624
$C_8H_{17}N$	N-Ethylcyclohexylamine 366 B.p., 164.9
$C_8H_{17}N$	5-Ethyl-2-methylpiperidine B.p., 163.4 367
$C_8H_{17}N$	ar-Methylcyclohexanemethylamine 368
$C_8H_{17}NO$	N,N-Dimethylhexanamide 1530
$C_8H_{17}NO$	4-Ethyl-2,6-dimethylmorpholine B.p., 158.1 369
C_8H_{18}	2,2-Dimethylhexane B.p., 106.84 855, 1323, 1353
C_8H_{18}	2,3-Dimethylhexane 856, 906 B.p., 115.61
C_8H_{18}	2,4-Dimethylhexane 1089 B.p., 109.43

Formula	Name and System Nos.
C_8H_{18}	2,5-Dimethylhexane B.p., 109.15 1169, 1200, 1255, 1352, 1360, 1384
C_8H_{18}	3,3-Dimethylhexane 1256 B.p., 111.97
C_8H_{18}	3,4-Dimethylhexane 857 B.p., 117.73
C_8H_{18}	3-Ethyl-3-methylpentane 1257 B.p., 118.26
C_8H_{18}	Iso-octane 529, 1237, 1497, 1579, 1806, 1933
C_8H_{18}	2-Methylheptane B.p., 117.65 858, 907, 1201, 1351, 1359
C_8H_{18}	3-Methylheptane 859 B.p., 118.93
C_8H_{18}	4-Methylheptane 860 B.p., 117.71
C_8H_{18}	n-Octane B.p., 125.7 48, 370, 669, 723, 761, 1007, 1202, 1228, 1258, 1346, 1358, 1396, 1410, 1425, 1477, 1500, 1572, 1611, 1618, 1795, 1814, 1862, 1866, 1870
C_8H_{18}	2,2,3-Trimethylpentane 861, 1090 B.p., 109.84
C_8H_{18}	2,2,4-Trimethylpentane B.p., 99.24 862, 1059, 1308, 1324, 1478, 1580, 1600, 1603
C_8H_{18}	2,3,3-Trimethylpentane 863 B.p., 114.76
C_8H_{18}	2,3,4-Trimethylpentane 864 B.p., 113.47
$C_8H_{18}Cl_2Sn$	Dibutyltin dichloride B.p., 157/17 mm. 1204, 1625, 1902
$C_8H_{18}O$	Butyl ether B.p., 142.1 865, 883, 969, 1107, 1149, 1206, 1229, 1239, 1528, 1626, 1737, 1796, 1807, 1827, 1828, 1907, 1935
$C_8H_{18}O$	2-Ethyl-1-hexanol B.p., 184.8 371, 1156, 1484, 1615, 1624, 1626-1629
$C_8H_{18}O$	Iso-octyl alcohol (isomers) 372 B.p., 186.5
$C_8H_{18}O$	Octyl alcohol B.p., 195.15 1630
$C_8H_{18}OS$	2-Hexylthioethanol 1631
$C_8H_{18}O_2$	1-Butoxy-2-ethoxyethane 374 B.p., 164.2
$C_8H_{18}O_2$	1,1-Diethoxybutane 375 B.p., 146.3
$C_8H_{18}O_2$	5-Ethoxy-3-methylpentanol B.p., 211.7 376
$C_8H_{18}O_2$	2-Ethyl-1,3-hexanediol B.p., 243.1 373, 866, 1632, 1738
$C_8H_{18}O_2$	2-Ethyl-3-methyl-1,5-pentanediol B.p., 265.5 377
$C_8H_{18}O_2$	2-Hexyloxyethanol 378 B.p., 208.1
$C_8H_{18}O_2$	2-(2-Methylpentoxy) ethanol B.p., 197.1 379
$C_8H_{18}O_3$	Bis(2-ethoxyethyl) ether B.p., 188.4 381, 1562, 1619
$C_8H_{18}O_3$	2-(2-Butoxyethoxy)ethanol B.p., 231.2 380, 884, 1286, 1479, 1633-1637, 1847
$C_8H_{18}O_4$	1,2-Bis(2-methoxyethoxy) ethane 382
$C_8H_{18}O_4$	2-[2-(2-Ethoxyethoxy) ethoxy]ethanol 1287
$C_8H_{19}N$	Dibutylamine B.p., 159.6 383, 1230, 1797, 1811, 1904
$C_8H_{19}N$	2-Ethylhexylamine 384 B.p., 169.1
$C_8H_{19}NO$	2-Diisopropylaminoethanol 385, 885 B.p., 190.9
$C_8H_{19}NO_2$	2,2'-Butyliminodiethanol 386
$C_8H_{19}NO_2$	1,1'-Ethyliminodi-2-propanol B.p., 238.9 387
$C_9F_{21}N$	Tris(perfluoropropyl) amine B.p., 130 1638
$C_9H_6N_2O_2$	2,4-Tolylene diisocyanate 1458, 1459, 1463, 1639
$C_9H_6N_2O_2$	2,6-Tolylene diisocyanate 1639
C_9H_7N	Isoquinoline 1640
C_9H_7N	Quinoline B.p., 237.3 1641
$C_9H_8O_2$	Vinyl benzoate 388
C_9H_{10}	α-Methylstyrene 1485
$C_9H_{10}O$	Benzyl vinyl ether 1583
$C_9H_{10}O_2$	1,2-Epoxy-3-phenoxypropane B.p., 244.4 389
$C_9H_{10}O_2$	Ethyl benzoate B.p., 213.3 584, 1584, 1591
$C_9H_{10}O_3$	Ethyl salicylate 1642 B.p., 233.7
$C_9H_{11}N$	5-Ethyl-2-vinylpyridine 390
C_9H_{12}	Cumene B.p., 152.4 391, 762, 1486, 1546, 1612, 1638, 1643
C_9H_{12}	m-Ethyltoluene 1433 B.p., 161.31
C_9H_{12}	o-Ethyltoluene B.p., 165.15 1259, 1434

Formula	Name and System Nos.
C_9H_{12}	p-Ethyltoluene 1432 B.p., 161.99
C_9H_{12}	x-Ethyltoluene 1531
C_9H_{12}	Mesitylene B.p., 164.72 1260, 1437, 1644
C_9H_{12}	Propylbenzene 1487 B.p., 158.9
C_9H_{12}	1,2,3-Trimethylbenzene 1435 B.p., 176.08
C_9H_{12}	1,2,4-Trimethylbenzene B.p., 169.35 1436, 1644
$C_9H_{12}OS$	2-Benzylthioethanol 1645
$C_9H_{12}O_2$	Bicyclo[2.2.1]hept-5-ene-2-ol acetate B.p., 188.6 392
$C_9H_{13}NO$	5-Ethyl-2-pyridineethanol 393
$C_9H_{14}O$	Isophorone B.p., 215.2 394, 1646
$C_9H_{14}O$	1-Methyl-2,5-endomethylenecyclohexane-1-methanol B.p., 211.1 395
$C_9H_{14}O$	Phorone B.p., 197.8 886
$C_9H_{14}OSi$	(Trimethylsiloxy)benzene 1488 B.p., 181.9
$C_9H_{15}N$	Triallylamine B.p., 151.1 396
C_9H_{16}	cis-Hexahydroindan 1547 B.p., 167.7
$C_9H_{16}O$	5-Ethyl-3-hepten-2-one 397 B.p., 193.5
$C_9H_{16}O_2$	2,2-Bis(allyloxy)propane 1755, 1891
$C_9H_{16}O_4$	Dimethyl pimelate 398 B.p., 248.9
C_9H_{18}	Butylcyclopentane 1261 B.p., 156.56
C_9H_{18}	Isobutylcyclopentane 1262 B.p., 147.6
C_9H_{18}	Isopropylcyclohexane 1263 B.p., 154.5
C_9H_{18}	1-Nonene B.p., 146.85 1264
C_9H_{18}	Propylcyclohexane B.p., 156.72 1265, 1647
C_9H_{18}	1,1,3-Trimethylcyclohexane B.p., 136.6 1091
$C_9H_{18}O$	2,6-Dimethyl-4-heptanone B.p., 169.4 399, 670, 1207, 1511, 1525, 1620
$C_9H_{18}O$	2-Ethylheptanal 1616
$C_9H_{18}O_2$	2-Heptyl acetate 400 B.p., 176.4
$C_9H_{18}O_2$	3-Heptyl acetate 401 B.p., 173.8
$C_9H_{18}O_3$	3-(2-Ethylbutoxy)propionic acid 402
$C_9H_{19}NO$	N,N-Dimethylheptanamide 1597
C_9H_{20}	3,3-Diethylpentane 1266 B.p., 146.17
C_9H_{20}	n-Nonane B.p., 150.2 403, 671, 724, 763, 970, 1008, 1231, 1267, 1325, 1347, 1501, 1573, 1613, 1617, 1627, 1648, 1798, 1815, 1863, 1867, 1873, 1936, 1937
C_9H_{20}	2,2,3,3-Tetramethylpentane B.p., 140.27 1268
C_9H_{20}	2,2,3,4-Tetramethylpentane B.p., 133.02 1092
C_9H_{20}	2,2,4,4-Tetramethylpentane B.p., 122.28 1269
C_9H_{20}	2,3,3,4-Tetramethylpentane B.p., 141.55 1270
C_9H_{20}	2,2,3-Trimethylhexane 1271 B.p., 133.60
C_9H_{20}	2,2,4-Trimethylhexane 1272 B.p., 126.54
C_9H_{20}	2,2,5-Trimethylhexane B.p., 124 1411, 1426, 1614
C_9H_{20}	2,3,3-Trimethylhexane 1273 B.p., 137.68
C_9H_{20}	2,3,4-Trimethylhexane 1093, 1604 B.p., 139.0
C_9H_{20}	2,3,5-Trimethylhexane B.p., 131.34 1094, 1274
C_9H_{20}	2,4,4-Trimethylhexane 1275 B.p., 130.65
C_9H_{20}	3,3,4-Trimethylhexane 1276 B.p., 140.46
$C_9H_{20}O$	2,6-Dimethyl-4-heptanol 404, 1649 B.p., 178.1
$C_9H_{20}O_2$	Dibutoxymethane 1799 B.p., 181.8
$C_9H_{20}O_2$	Diisobutoxymethane 1808 B.p., 163.8
$C_9H_{20}O_2$	2-Ethyl-2-butyl-1,3-propanediol 405
$C_9H_{20}O_3$	1-(2-Butoxyethoxy)-2-propanol B.p., 230.3 406
$C_9H_{20}O_3$	2-(2-Isoamyloxyethoxy) ethanol 1605
$C_9H_{20}O_3$	2-Methoxymethyl-2,4-dimethyl-1,5-pentanediol 407
$C_9H_{20}O_3$	1,1,3-Triethoxypropane 408
$C_9H_{20}O_4$	Tripropylene glycol 1650-1652
$C_9H_{21}N$	N-Methyldibutylamine 409 B.p., 163.1
$C_9H_{21}N$	Tripropylamine B.p., 156. 410
$C_9H_{21}NO_2$	1,1'-Isopropyliminodi-2-propanol B.p., 248.6 411

Formula	Name and System Nos.
$C_9H_{21}NO_3$	1,1',1"-Nitrilotri-2-propanol 1569
$C_9H_{21}NO_4$	2-(2-[2-(3-Aminopropoxy) ethoxy]ethoxy)ethanol 412
$C_{10}H_8$	Naphthalene B.p., 218.1 887, 1102, 1288, 1560, 1589, 1633, 1653, 1678, 1924-1926
$C_{10}H_8N_2$	2,2'-Dipyridyl B.p., 274. 1348
$C_{10}H_{10}O_4$	Dimethyl phthalate 413 B.p., 282.9
$C_{10}H_{12}O_3$	2-Phenoxyethyl acetate 414 B.p., 260.6
$C_{10}H_{14}$	Butylbenzene B.p., 183.27 1438, 1548
$C_{10}H_{14}$	sec-Butylbenzene B.p., 173.30 1439, 1549
$C_{10}H_{14}$	tert-Butylbenzene B.p., 169.11 1440, 1550
$C_{10}H_{14}$	p-Cymene B.p., 177.2 1445, 1498, 1551
$C_{10}H_{14}$	Dicyclopentadiene 415 B.p., 172
$C_{10}H_{14}$	m-Diethylbenzene 1442 B.p., 181.13
$C_{10}H_{14}$	p-Diethylbenzene 1443 B.p., 183.78
$C_{10}H_{14}$	5-Ethyl-m-xylene 1444 B.p., 183.75
$C_{10}H_{14}$	Isobutylbenzene 1441 B.p., 172.76
$C_{10}H_{14}$	1,2,3,5-Tetramethylbenzene B.p., 197.93 1446
$C_{10}H_{14}N_2$	Nicotine 416
$C_{10}H_{14}O_2$	Ethyl bicyclo[2.2.1]hept-5-en-2-carboxylate 417 B.p., 198
$C_{10}H_{14}O_3$	2-(2-Phenoxyethoxy) ethanol B.p., 297.9 418
$C_{10}H_{15}N$	N-Butylaniline B.p., 240.4 419
$C_{10}H_{15}N$	N-Ethyl-α-methylbenzylamine B.p., 201.2 420
$C_{10}H_{15}N$	N,N,α-Trimethylbenzylamine B.p., 195.8 421
$C_{10}H_{15}NO$	2-(α-Methylbenzylamino) ethanol 422
$C_{10}H_{16}$	Camphene 764
$C_{10}H_{16}O$	Dicyclopentenol 423
$C_{10}H_{16}O$	Trimethyltetrahydrobenzaldehyde B.p., 204.5 424
$C_{10}H_{16}O_4$	Diisopropyl maleate 425 B.p., 228.7
$C_{10}H_{18}$	Decahydronaphthalene 1654
$C_{10}H_{18}O_2$	Vinyl 2-ethylhexanoate 426 B.p., 185.2
$C_{10}H_{18}O_2$	Vinyl octanoate (isomers) 427
$C_{10}H_{18}O$	Menthone B.p., 209.5 1655
$C_{10}H_{20}$	n-Butylcyclohexane 1552 B.p., 180.95
$C_{10}H_{20}$	sec-Butylcyclohexane 1553 B.p., 179.3
$C_{10}H_{20}$	tert-Butylcyclohexane 1277 B.p., 171.5
$C_{10}H_{20}$	Isobutylcyclohexane 1554 B.p., 171.3
$C_{10}H_{20}$	cis-1-Isopropyl-4-methylcyclohexane B.p., 172.7 1555
$C_{10}H_{20}$	trans-1-Isopropyl-4-methylcyclohexane 1556 B.p., 170.5
$C_{10}H_{20}O$	2-Ethylhexyl vinyl ether 428, 1810 B.p., 177.7
$C_{10}H_{20}O$	Menthol 1655
$C_{10}H_{20}O$	Octyl vinyl ether 1630
$C_{10}H_{20}OS$	2-Hexylthioethyl vinyl ether 888, 1631
$C_{10}H_{20}O_2$	2-Ethylbutyl butyrate 429 B.p., 199.6
$C_{10}H_{20}O_2$	2-Ethylhexyl acetate 430, 1628 B.p., 198.4
$C_{10}H_{20}O_2$	4-Methyl-2-pentyl butyrate B.p., 182.6 431
$C_{10}H_{20}O_3$	2-Butoxyethyl 2-vinyloxyethyl ether B.p., 226.7 432
$C_{10}H_{21}Cl$	Chlorodecane (isomers) 433 B.p., 210.6
$C_{10}H_{21}N$	N-Butylcyclohexylamine 434 B.p., 209.5
$C_{10}H_{21}NO$	N,N-Dimethyloctanamide B.p., 187/100 mm. 1622
$C_{10}H_{22}$	Decane B.p., 173.3 672, 725, 765, 1009, 1016, 1349, 1593, 1654, 1816, 1864, 1868, 1871
$C_{10}H_{22}$	3-Ethyl-3-methylheptane 1326 B.p., 163
$C_{10}H_{22}$	3,3,5-Trimethylheptane 1557, 1656 B.p., 155.5
$C_{10}H_{22}O$	Decyl alcohol B.p., 232.9 1581, 1657, 1831
$C_{10}H_{22}O$	2-Ethyloctanol 436 B.p., 220.5
$C_{10}H_{22}O$	2-Propylheptanol 437 B.p., 217.9
$C_{10}H_{22}OS$	2-(2-Ethylhexylthio) ethanol 1658
$C_{10}H_{22}O_2$	1,2-Dibutoxyethane 438 B.p., 203.6

Formula	Name and System Nos.
$C_{10}H_{22}O_2$	1,2-Diisobutoxyethane 439 B.p., 160.5
$C_{10}H_{22}O_3$	2-(2-Hexyloxyethoxy) ethanol B.p., 259.1 440
$C_{10}H_{22}O_4$	1,2-Bis(2-ethoxyethoxy) ethane B.p., 206.9 441
$C_{10}H_{22}O_4$	Tripropylene glycol methyl ether B.p., 243 889, 1103, 1659
$C_{10}H_{22}O_5$	Bis[2-(2-methoxyethoxy) ethyl]ether 442
$C_{10}H_{23}N$	Decylamine (isomers) 443 B.p., 203.7
$C_{10}H_{23}N$	Diamylamine (isomers) 444 B.p., 190
$C_{10}H_{23}N$	N,N-Dimethyl-2-ethylhexylamine B.p., 176.1 445
$C_{10}H_{23}NO$	2-Dibutylaminoethanol 446 B.p., 228.7
$C_{11}H_{10}$	1-Methylnaphthalene B.p., 244.8 1504, 1634, 1660
$C_{11}H_{10}$	2-Methylnaphthalene B.p., 241.1 773, 1447, 1505, 1561, 1563, 1590, 1601, 1608, 1621, 1623, 1635, 1640, 1641
$C_{11}H_{14}OS$	2-(Benzylmercapto)-ethyl vinyl ether 1289, 1645
$C_{11}H_{14}O_3$	Butyl salicylate 447 B.p., 268.2
$C_{11}H_{14}O_3$	Ethyl 6-formylbicyclo-[2.2.1]hept-5-en-2-carboxylate 448
$C_{11}H_{16}$	tert-Amylbenzene 1448 B.p., 198.1
$C_{11}H_{16}O_3$	Allyl 6-methyl-3,4-epoxycyclohexanecarboxylate 449 B.p., 251.4
$C_{11}H_{17}N$	N,N-Diethyl-o-toluidine 1594
$C_{11}H_{18}O_2$	Isopropyl 6-methyl-3-cyclohexenecarboxylate 450 B.p., 215.2
$C_{11}H_{20}O$	5-Ethyl-3-nonen-2-one 451 B.p., 226.4
$C_{11}H_{20}O_4$	Diethyl pimelate 452 B.p., 268.1
$C_{11}H_{22}$	tert-Amylcyclohexane 1449 B.p., 198.1
$C_{11}H_{22}O$	5-Ethyl-2-nonanone 453 B.p., 222.9
$C_{11}H_{22}O_2$	2,6-Dimethyl-4-heptyl acetate B.p., 192.2 454
$C_{11}H_{22}O_3$	4-Methoxy-2,6-dipropyl-1,3-dioxane B.p., 223.6 455
$C_{11}H_{24}$	Undecane B.p., 195.88 456, 673, 726, 766, 1010, 1017, 1179, 1450, 1817, 1865, 1869, 1872, 1892, 1900
$C_{11}H_{24}O$	5-Ethyl-2-nonanol B.p., 225 457, 1660, 1661
$C_{11}H_{24}O_2$	Diamyloxymethane 1397, 1821
$C_{11}H_{24}O_2$	2,2-Dibutoxypropane 458
$C_{11}H_{24}O_2$	2-Nonyloxyethanol 459 B.p., 225.5
$C_{11}H_{24}O_4$	1,1,3,3-Tetraethoxypropane B.p., 220.1 460
$C_{11}H_{25}N$	2-Ethyl-N-propylhexylamine 1629
$C_{11}H_{25}NO$	1-Dibutylamino-2-propanol B.p., 229.1 461
$C_{12}F_{27}N$	Tris(perfluorobutyl)amine B.p., 177 1457, 1643, 1647, 1648, 1656, 1917
$C_{12}H_9N$	Carbazole B.p., 294 1290, 1564, 1650, 1662, 1663
$C_{12}H_{10}$	Biphenyl B.p., 355.9 1291, 1664
$C_{12}H_{10}O$	Phenyl ether B.p., 259.3 890, 1292, 1565, 1574, 1642
$C_{12}H_{11}N$	Diphenylamine B.p., 265/350 mm. 1503
$C_{12}H_{14}O_4$	Diethyl phthalate 462 B.p., 294.3
$C_{12}H_{18}$	1,3,5-Triethylbenzene 1489 B.p., 215.5
$C_{12}H_{18}O$	Triisobutylene oxide 463
$C_{12}H_{19}N$	N-Butyl-α-methylbenzylamine B.p., 239.3 464
$C_{12}H_{20}O_2$	sec-Butyl 6-methyl-3-cyclohexenecarboxylate 465
$C_{12}H_{20}O_2$	Isobornyl acetate 767 B.p., 225.8
$C_{12}H_{20}O_4$	Dibutyl fumarate 466 B.p., 285.2
$C_{12}H_{20}O_4$	Dibutyl maleate 467 B.p., 280.6
$C_{12}H_{22}O_2$	2-Ethylhexyl crotonate 468 B.p., 241.2
$C_{12}H_{22}O_2$	Vinyl decanoate (isomers) 469
$C_{12}H_{22}O_4$	Diethyl 2-ethyl-3-methylglutarate B.p., 255.8 470
$C_{12}H_{23}N$	Dicyclohexylamine 471 B.p., 255.8
$C_{12}H_{24}$	2,6,8-Trimethylnonene 1649, 1665
$C_{12}H_{24}O$	2,6,8-Trimethyl-4-nonanone B.p., 218.2 472

Formula	Name and System Nos.
$C_{12}H_{24}OS$	2-(2-Ethylhexylthio)ethyl vinyl ether 1293, 1658
$C_{12}H_{24}O_2$	2-Ethylbutyl 2-ethylbutyrate B.p., 222.6 473
$C_{12}H_{24}O_2$	2-Ethylbutyl hexanoate 474 B.p., 236.2
$C_{12}H_{24}O_2$	Hexyl 2-ethylbutyrate 475 B.p., 230.3
$C_{12}H_{24}O_2$	Hexyl hexanoate 476 B.p., 245.2
$C_{12}H_{26}$	Dodecane B.p., 216 477, 768, 1018, 1104, 1451, 1636, 1653, 1666, 1818
$C_{12}H_{26}$	2,2,4,4,6-Pentamethylheptane B.p., 185.6 1452
$C_{12}H_{26}$	2,2,4,6,6-Pentamethylheptane B.p., 177.9 1453
$C_{12}H_{26}O$	2-Butyl-1-octanol 478 B.p., 253.4
$C_{12}H_{26}O$	Dodecyl alcohol 1657
$C_{12}H_{26}O$	Hexyl ether 891, 1294
$C_{12}H_{26}O$	2,6,8-Trimethyl-4-nonanol B.p., 225.5 479, 1582, 1665, 1832
$C_{12}H_{26}O_2$	1,1-Diethoxy-2-ethylhexane B.p., 207.8 480
$C_{12}H_{26}O_2$	1,1-Diisopentoxyethane 481 B.p., 213.6
$C_{12}H_{26}O_2$	3-Ethoxy-4-ethyloctanol 482 B.p., 249.2
$C_{12}H_{26}O_3$	Bis(2-butoxyethyl)ether 483 B.p., 254.6
$C_{12}H_{26}O_3$	1,1,3-Triethoxyhexane 484
$C_{12}H_{27}ClSn$	Tributyltin chloride B.p., 116/17 mm. 1205, 1625, 1902
$C_{12}H_{27}N$	Dihexylamine B.p., 239.8 485
$C_{12}H_{27}N$	Tributylamine B.p., 213.9 486
$C_{12}H_{27}O_4P$	Tributyl phosphate 487
$C_{13}H_{10}$	Fluorene B.p., 294 1295, 1566, 1651, 1667, 1668
$C_{13}H_{24}O_2$	Decyl acrylate (isomers) 488
$C_{13}H_{26}$	1-Tridecene B.p., 232.78 1454
$C_{14}H_{10}$	Anthracene B.p., 340 892
$C_{14}H_{10}$	Phenanthrene B.p., 340 1296, 1567, 1652, 1669, 1670
$C_{14}H_{14}O$	Benzyl ether 1297, 1568
$C_{14}H_{22}O$	o-(Ethylhexyl)phenol 489 B.p., 297.0
$C_{14}H_{23}N$	N-(Ethylhexyl)aniline 490
$C_{14}H_{24}$	1,3,6,8-Tetramethyl-1,6-cyclodecadiene 491 B.p., 220.5
$C_{14}H_{26}O_4$	Dibutyl adipate 492
$C_{14}H_{28}O$	Trimethylnonyl vinyl ether 493 B.p., 223.4
$C_{14}H_{28}O_2$	2-Ethylbutyl 2-ethylhexanoate B.p., 261.5 494
$C_{14}H_{28}O_2$	2-Ethylhexyl 2-ethylbutyrate B.p., 252.8 495
$C_{14}H_{28}O_2$	2-Ethylhexyl hexanoate 496 B.p., 267.2
$C_{14}H_{28}O_2$	Hexyl 2-ethylhexanoate 497 B.p., 254.3
$C_{14}H_{29}N$	N-(2-Ethylhexyl)cyclohexylamine 498
$C_{14}H_{30}$	Tetradecane B.p., 252.5 1105
$C_{14}H_{30}O$	7-Ethyl-2-methyl-4-undecanol B.p., 264.3 499
$C_{14}H_{30}O$	x-Tetradecyl alcohol 1662, 1667, 1669
$C_{14}H_{30}O_2$	2-(2,6,8-Trimethyl-4-nonyloxy)ethanol 500
$C_{15}H_{10}O_2N_2$	Di-p-isocyanatodiphenylmethane 1460 B.p., 192/5 mm.
$C_{15}H_{18}$	Amylnaphthalene 1532
$C_{15}H_{28}O_4$	Dibutyl pimelate 501
$C_{15}H_{30}$	1-Pentadecene B.p., 183.7/217 mm. 1637
$C_{15}H_{32}O$	2,8-Dimethyl-6-isobutyl-4-nonanol B.p., 265.4 502
$C_{16}H_{18}O$	Bis(α-methylbenzyl)ether 503 B.p., 286.7
$C_{16}H_{22}O_4$	Dibutyl phthalate B.p., 238/50 mm. 1130
$C_{16}H_{28}O_4$	Bis(4-methylbenzyl)ether maleate 504
$C_{16}H_{30}O_2$	Tridecyl acrylate 505
$C_{16}H_{31}N$	1,1'-Bis(x-methylcyclohexyl)dimethylamine 506
$C_{16}H_{32}O_2$	2-Ethylhexyl 2-ethylhexanoate B.p., 280.4 507
$C_{16}H_{32}O_2$	Palmitic acid 1671
$C_{16}H_{34}$	Hexadecane 1533, 1666
$C_{16}H_{34}O$	Bis(2-ethylhexyl) ether B.p., 269.8 508, 893, 1106, 1298, 1632
$C_{16}H_{35}N$	Bis(2-ethylhexyl)amine 509 B.p., 280.7

Formula	Name and System Nos.
$C_{17}H_{36}O$	3,9-Diethyl-6-tridecanol 510 B.p., 309
$C_{17}H_{36}O$	x-Heptadecyl alcohol 1663, 1668, 1670
$C_{18}H_{24}N_2$	Bis(α-methylbenzyl)ethylenediamine 511
$C_{18}H_{34}O_2$	Oleic acid 1672
$C_{18}H_{34}O_3$	Ricinoleic acid 1672
$C_{18}H_{36}O_2$	Stearic acid 1671, 1673
$C_{18}H_{38}O_2$	1,1-Bis(2-ethylhexyloxy) ethane 512
$C_{18}H_{39}NO$	2-[Bis(2-ethylhexyl)amino] ethanol 513
$C_{20}H_{30}O_2$	Abietic acid 1674
$C_{20}H_{36}O_4$	Bis(2-ethylhexyl)fumarate 514
$C_{20}H_{36}O_4$	Bis(2-ethylhexyl)maleate 515
$C_{20}H_{40}O_3$	2-Ethylhexyl 3-(2-ethylhexyloxy)butyrate 516
$C_{20}H_{42}O$	Decyl ether (isomers) 517
$C_{20}H_{42}O$	Eicosanol (isomers) 518
$C_{20}H_{43}N$	Didecylamine (isomers) 519
$C_{21}H_{38}O_3$	Allyl 9,10-epoxystearate 520
$C_{24}H_{38}O_4$	Dioctyl phthalate 1664
$C_{24}H_{52}O_4Si$	Tetra(2-ethylbutoxy)silane 521
$C_{31}H_{58}O_6$	Tri(2-ethylhexyl)-1,2,4-butanetricarboxylate 522

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