

# PERMITTIVITY (DIELECTRIC CONSTANT) OF LIQUIDS

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The permittivity of a substance (often called the dielectric constant) is the ratio of the electric displacement  $D$  to the electric field strength  $E$  when an external field is applied to the substance. The quantity tabulated here is the relative permittivity, which is the ratio of the actual permittivity to the permittivity of a vacuum; it is a dimensionless number.

The table gives the static relative permittivity  $\epsilon_r$ , i.e., the relative permittivity measured in static fields or at low frequencies where no relaxation effects occur. The fourth column of the table lists the value of  $\epsilon_r$  at the temperature specified in the third column, usually 293.15 or 298.15 K. Otherwise, the temperature closest to 293.15 K was chosen, or (as it is the case for many of the substances included here)  $\epsilon_r$  is given at the only temperature for which data are available.

The static permittivity refers to nominal atmospheric pressure as long as the corresponding temperature is below the normal boiling point. Otherwise, at temperatures above the normal boiling point, the pressure is understood to be the saturated vapor pressure of the substance considered.

For substances where information on the temperature dependence of the permittivity is available, the table gives the coefficients of a simple polynomial fitting of permittivity to temperature with an equation of the form

$$\epsilon_r(T) = a + bT + cT^2 + dT^3$$

where  $T$  is the absolute temperature in K. Since the parameter  $d$  was used in only a few cases where the quadratic fit was not satisfactory, only  $a$ ,  $b$ , and  $c$  are listed as columns in the table, while the  $d$  values are given at the end of this introduction. For all other substances,  $d = 0$ . The temperature range of the fit is given in the last column. The coefficients of the fitting equation can be used to

calculate dielectric constants within the fitted temperature range but should not be used for extrapolation outside this range. The user who needs dielectric constant data with more accuracy than can be provided by this equation is referred to Reference 1, which gives the original data together with their literature source.

Substances are listed by molecular formula in modified Hill order, with substances not containing carbon preceding those that do contain carbon.

\* Indicates that the isomer was not specified in the original reference.

\*\* Indicates a compound for which the cubic term is needed:

Ethanol	$d = -0.15512E-05$
<i>N</i> -Methylacetamide	$d = -0.12998E-04$
1,2-Propylene glycol	$d = -0.32544E-05$
1-Butanol	$d = -0.48841E-06$
2-Butanol	$d = -0.89512E-06$
2-Methyl-1-propanol	$d = -0.45229E-06$
2-Methyl-2-propanol	$d = -0.25968E-05$
<i>N</i> -Butylacetamide	$d = -0.48716E-05$

## References

1. Wohlfarth, Ch., Static Dielectric Constants of Pure Liquids and Binary Liquid Mixtures, *Landolt-Börnstein, Numerical Data and Functional Relationships in Science and Technology, New Series*, Editor in Chief, O. Madelung, Group IV, Macroscopic and Technical Properties of Matter, Volume 6, Springer-Verlag, Berlin, 1991.
2. Marsh, K. N., Ed., *Recommended Reference Materials for the Realization of Physicochemical Properties*, Blackwell Scientific Publications, Oxford, 1987.

Mol. form.	Name	T/K	$\epsilon_r$	$a$	$b$	$c$	Range/K
AlBr <sub>3</sub>	Aluminum tribromide	373.2	3.38				
Ar	Argon	140.00	1.3247	0.12408E+01	0.68755E-02	-0.45344E-04	87-149
AsH <sub>3</sub>	Arsine	200.9	2.40	0.37674E+01	-0.97454E-02	0.14537E-04	157-201
BBr <sub>3</sub>	Boron tribromide	273.2	2.58				
B <sub>2</sub> H <sub>6</sub>	Diborane	180.66	1.8725	0.23848E+01	-0.29501E-02	0.64189E-06	108-181
B <sub>5</sub> H <sub>9</sub>	Pentaborane(9)	298.2	21.1	0.40952E+03	-0.24414E+01	0.38225E-02	226-298
BrF <sub>3</sub>	Bromine trifluoride	298.2	106.8				
BrF <sub>5</sub>	Bromine pentafluoride	297.7	7.91	0.11428E+02	-0.11822E-01		262-298
BrH	Hydrogen bromide	186.8	8.23				
BrNO	Nitrosyl bromide	288.4	13.4				
Br <sub>2</sub>	Bromine	297.9	3.1484	0.32701E+01	-0.12535E-03		273-327
Br <sub>2</sub> OS	Thionyl bromide	293.2	9.06				
Br <sub>3</sub> OV	Vanadyl tribromide	298.2	3.6	0.61112E+01	-0.84211E-02		203-298
Br <sub>4</sub> Ge	Germanium(IV) bromide	299.9	2.955	0.34450E+01	-0.16083E-02		300-316
Br <sub>4</sub> Sn	Tin(IV) bromide	303.45	3.169	0.50001E+01	-0.60383E-02		304-316
ClFO <sub>3</sub>	Perchloryl fluoride	150.2	2.194	0.23808E+01	-0.38629E-03	-0.57143E-05	125-150
ClF <sub>3</sub>	Chlorine trifluoride	293.2	4.394	0.96716E+01	-0.18000E-01		273-313
ClF <sub>5</sub>	Chlorine pentafluoride	193.2	4.28	0.78192E+01	-0.20860E-01	0.13132E-04	193-256
ClH	Hydrogen chloride	158.9	14.3	0.47316E+02	-0.28455E+00	0.48650E-03	159-258
ClNO	Nitrosyl chloride	285.2	18.2				
Cl <sub>2</sub>	Chlorine	208.0	2.147	0.29440E+01	-0.44649E-02	0.30388E-05	208-240
Cl <sub>2</sub> F <sub>3</sub> P	Phosphorus(V) dichloride trifluoride	228.63	2.8129	0.46501E+01	-0.80358E-02		172-229
Cl <sub>2</sub> OS	Thionyl chloride	298.2	8.675				
Cl <sub>2</sub> OSe	Selenium oxychloride	293.2	46.2				
Cl <sub>2</sub> O <sub>2</sub> S	Sulfuryl chloride	293.2	9.1				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
Cl <sub>2</sub> S	Sulfur dichloride	298.2	2.915				
Cl <sub>2</sub> S <sub>2</sub>	Sulfur chloride	288.2	4.79				
Cl <sub>3</sub> F <sub>2</sub> P	Phosphorus(V) trichloride difluoride	268.0	2.3752	0.28905E+01	-0.19228E-02		215-268
Cl <sub>3</sub> OP	Phosphorus(V) oxychloride	293.2	14.1				
Cl <sub>3</sub> OV	Vanadyl trichloride	298.2	3.4				
Cl <sub>3</sub> P	Phosphorus(III) chloride	290.2	3.498	0.59098E+01	-0.83322E-02		290-333
Cl <sub>3</sub> PS	Phosphorus(V) sulfide trichloride	298.2	4.94				
Cl <sub>4</sub> FP	Phosphorus(V) tetrachloride fluoride	272.64	2.6499	0.33503E+01	-0.29651E-02		244-273
Cl <sub>4</sub> Ge	Germanium(IV) chloride	273.2	2.463	-0.55078E+01	0.64881E-01	-0.13091E-03	246-273
Cl <sub>4</sub> Pb	Lead(IV) chloride	293.2	2.78				
Cl <sub>4</sub> Si	Tetrachlorosilane	273.2	2.248	0.58041E+01	-0.27129E-01	0.51678E-04	207-273
Cl <sub>4</sub> Sn	Tin(IV) chloride	273.2	3.014	0.43951E+01	-0.48805E-02		234-273
Cl <sub>4</sub> Ti	Titanium(IV) chloride	257.4	2.843	0.33668E+01	-0.19675E-02		237-257
Cl <sub>4</sub> V	Vanadium(IV) chloride	298.2	3.05				
Cl <sub>3</sub> P	Phosphorus(V) chloride	433.2	2.85				
Cl <sub>3</sub> Sb	Antimony(V) chloride	293.0	3.222	0.45413E+01	-0.45078E-02		276-320
FH	Hydrogen fluoride	273.2	83.6	0.50352E+03	-0.19297E+01	0.14372E-02	200-273
F <sub>2</sub>	Fluorine	53.48	1.4913	0.14144E+01	0.26387E-02	-0.28356E-04	54-144
F <sub>5</sub> I	Iodine pentafluoride	293.2	37.13	0.95184E+02	-0.19800E+00		273-313
F <sub>6</sub> S	Sulfur hexafluoride	223.2	1.81				
F <sub>6</sub> Xe	Xenon hexafluoride	328.2	4.10				
F <sub>7</sub> I	Iodine heptafluoride	298.2	1.75				
F <sub>10</sub> S <sub>2</sub>	Sulfur decafluoride	293.2	2.0202				
HI	Hydrogen iodide	220.2	3.87	0.51557E+03	-0.44552E+01	0.96795E-02	220-236
H <sub>2</sub>	Hydrogen	13.52	1.2792	0.13327E+01	-0.51946E-02		14-19
H <sub>2</sub> O	Water	293.2	80.100	0.24921E+03	-0.79069E+00	0.72997E-03	273-372
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide	290.2	74.6	0.48511E+03	-0.23145E+01	0.31020E-02	233-303
H <sub>2</sub> S	Hydrogen sulfide	283.2	5.93	0.14736E+02	-0.33675E-01	0.96740E-05	212-363
H <sub>3</sub> N	Ammonia	293.2	16.61	0.66756E+02	-0.24696E+00	0.25913E-03	238-323
H <sub>4</sub> N <sub>2</sub>	Hydrazine	298.2	51.7	0.22061E+03	-0.89633E+00	0.11066E-02	278-323
He	Helium	2.055	1.0555	0.10640E+01	-0.35584E-02		2-4
I <sub>2</sub>	Iodine	391.25	11.08	0.64730E+02	-0.29266E+00	0.39759E-03	391-441
Kr	Krypton	119.80	1.664				
Mn <sub>2</sub> O <sub>7</sub>	Manganese(VII) oxide	293.2	3.28	0.37655E+01	-0.16463E-02		283-312
NO	Nitric oxide	1.997					
N <sub>2</sub>	Nitrogen	63.15	1.4680	0.12550E+01	0.67949E-02	-0.56704E-04	63-126
N <sub>2</sub> O <sub>3</sub>	Nitrogen trioxide	203.2	31.13	0.92287E+02	-0.43306E+00	0.65000E-03	203-243
N <sub>2</sub> O <sub>4</sub>	Nitrogen tetroxide	293.2	2.44	0.28212E+01	-0.13000E-02		253-293
Ne	Neon	26.11	1.1907	0.12667E+01	-0.29064E-02		26-29
O <sub>2</sub>	Oxygen	54.478	1.5684	0.15434E+01	0.14615E-02	-0.21964E-04	55-154
O <sub>2</sub> S	Sulfur dioxide	298.2	16.3	0.52045E+02	-0.16125E+00	0.11042E-03	213-449
O <sub>3</sub>	Ozone	90.2	4.75	0.86344E+01	-0.54807E-01	0.12596E-03	90-185
O <sub>3</sub> S	Sulfur trioxide	291.2	3.11				
P	Phosphorus	307.2	4.096	0.79018E+00	0.23911E-01	-0.42826E-04	307-358
S	Sulfur	407.2	3.4991	0.51651E+01	-0.77381E-02	0.89120E-05	407-479
Se	Selenium	510.65	5.44	0.67569E+01	-0.25829E-02		511-575
Xe	Xenon	161.35	1.880				
CBrClF <sub>2</sub>	Bromochlorodifluoromethane	123.2	3.920	0.52442E+01	-0.11000E-01		123-223
CBrCl <sub>3</sub>	Bromotrichloromethane	293.2	2.405	0.29249E+01	-0.17650E-02		273-333
CBrF <sub>3</sub>	Bromotrifluoromethane	123.2	3.730	0.54154E+01	-0.13680E-01		123-173
CB <sub>2</sub> Cl <sub>2</sub>	Dibromodichloromethane	298.2	2.542	0.32330E+01	-0.23162E-02		298-333
CB <sub>2</sub> F <sub>2</sub>	Dibromodifluoromethane	273.2	2.939	0.67296E+01	-0.22133E-01	0.30213E-04	139-273
CBr <sub>3</sub> Cl	Tribromochloromethane	333.2	2.601				
CBr <sub>3</sub> F	Tribromofluoromethane	293.2	3.00	0.53203E+01	-0.11061E-01	0.10688E-04	206-323
CBr <sub>3</sub> NO <sub>2</sub>	Tribromonitromethane	298.2	9.034	0.16079E+02	-0.23630E-01		298-328
CClF <sub>3</sub>	Chlorotrifluoromethane	123.2	3.010	0.43677E+01	-0.11020E-01		123-173
CCL <sub>2</sub> F <sub>2</sub>	Dichlorodifluoromethane	123.2	3.500	0.46984E+01	-0.97600E-02		123-223
CCL <sub>2</sub> O	Carbonyl chloride	295.2	4.30				
CCl <sub>3</sub> D	Trichloromethane- <i>d</i>	298.2	4.67				
CCl <sub>3</sub> F	Trichlorofluoromethane	293.2	3.00	0.53203E+01	-0.11061E-01	0.10688E-04	206-323
CCl <sub>3</sub> NO <sub>2</sub>	Trichloronitromethane	293.2	7.319	0.14403E+02	-0.24178E-01		276-333
CCl <sub>4</sub>	Tetrachloromethane	293.2	2.2379	0.28280E+01	-0.20339E-02	0.71795E-07	283-333
CF <sub>4</sub>	Tetrafluoromethane	126.3	1.685	0.20350E+01	-0.27616E-02		126-142

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
CHBr <sub>3</sub>	Tribromomethane	283.2	4.404	0.71707E+01	-0.98000E-02		283-343
CHCl <sub>3</sub>	Trichloromethane	293.2	4.8069	0.15115E+02	-0.51830E-01	0.56803E-04	218-323
CHF <sub>3</sub>	Trifluoromethane	294.0	5.2	0.11442E+03	-0.75600E+00	0.13562E-02	130-263
CHN	Hydrogen cyanide	293.2	114.9	0.37331E+04	-0.23180E+02	0.36963E-01	258-299
CH <sub>2</sub> Br <sub>2</sub>	Dibromomethane	283.2	7.77	0.18060E+02	-0.36333E-01		283-313
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	298.0	8.93	0.40452E+02	-0.17748E+00	0.23942E-03	184-306
CH <sub>2</sub> F <sub>2</sub>	Difluoromethane	152.2	53.74	0.19428E+03	-0.12939E+01	0.24280E-02	152-224
CH <sub>2</sub> I <sub>2</sub>	Diiodomethane	298.2	5.32				
CH <sub>2</sub> O <sub>2</sub>	Formic acid	298.2	51.1	0.14040E+03	-0.24673E+00	-0.17151E-03	287-358
CH <sub>3</sub> Br	Bromomethane	275.7	9.71	0.40580E+02	-0.18418E+00	0.26219E-03	195-276
CH <sub>3</sub> Cl	Chloromethane	295.2	10.0	0.42775E+02	-0.16175E+00	0.17108E-03	190-392
CH <sub>3</sub> ClO <sub>2</sub> S	Methanesulfonyl chloride	293.2	34.0	0.10384E+03	-0.33838E+00	0.34156E-03	293-373
CH <sub>3</sub> DO	Methan- <i>d</i> <sub>1</sub> -ol	297.5	31.68	0.20839E+03	-0.10318E+01	0.14740E-02	176-298
CH <sub>3</sub> F	Fluoromethane	131.0	51.0	0.11338E+03	-0.63979E+00	0.96983E-03	150-299
CH <sub>3</sub> I	Iodomethane	293.2	6.97	0.24264E+02	-0.93914E-01	0.11926E-03	223-303
CH <sub>3</sub> NO	Formamide	293.2	111.0	0.26076E+03	-0.61145E+00	0.34296E-03	278-333
CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	293.2	37.27	0.11227E+03	-0.35591E+00	0.34206E-03	288-343
CH <sub>3</sub> NO <sub>2</sub>	Methyl nitrite	200.0	20.77	0.11071E+03	-0.73428E+00	0.14054E-02	110-260
CH <sub>3</sub> NO <sub>3</sub>	Methyl nitrate	293.2	23.9				
CH <sub>4</sub>	Methane	91.0	1.6761	0.15996E+01	0.27434E-02	-0.22086E-04	91-184
CH <sub>4</sub> O	Methanol	293.2	33.0	0.19341E+03	-0.92211E+00	0.12839E-02	177-293
CH <sub>5</sub> N	Methylamine	215.2	16.7	0.34398E+02	-0.73630E-01	-0.41279E-04	198-258
CN <sub>4</sub> O <sub>8</sub>	Tetranitromethane	293.2	2.317				
COS	Carbon oxysulfide	185.0	4.47	0.84702E+01	-0.21488E-01		143-185
COSe	Carbon oxyselenide	283.2	3.47	0.48740E+01	-0.49425E-02		219-283
CO <sub>2</sub>	Carbon dioxide	295.0	1.4492	0.79062E+00	0.10639E-01	-0.28510E-04	220-300
CS <sub>2</sub>	Carbon disulfide	293.2	2.6320	0.45024E+01	-0.12054E-01	0.19147E-04	154-319
C <sub>2</sub> Br <sub>2</sub> F <sub>4</sub>	1,2-Dibromotetrafluoroethane	298.2	2.34				
C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	1,2-Dichlorotetrafluoroethane	273.2	2.4842	0.36663E+01	-0.42271E-02	-0.36255E-06	193-273
C <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	Oxalyl chloride	294.35	3.470				
C <sub>2</sub> Cl <sub>3</sub> N	Trichloroacetonitrile	292.2	7.85				
C <sub>2</sub> Cl <sub>4</sub>	Tetrachloroethylene	303.2	2.268				
C <sub>2</sub> Cl <sub>4</sub> F <sub>2</sub>	1,1,2,2-Tetrachloro-1,2-difluoroethane	308.2	2.52				
C <sub>2</sub> HBr <sub>3</sub> O	Tribromoacetaldehyde	293.2	7.6				
C <sub>2</sub> HCl <sub>3</sub>	Trichloroethylene	301.5	3.390	0.58319E+01	-0.80828E-02		302-338
C <sub>2</sub> HCl <sub>3</sub> F <sub>2</sub>	1,2,2-Trichloro-1,1-difluoroethane	303.2	4.01	0.75423E+01	-0.11667E-01		303-333
C <sub>2</sub> HCl <sub>3</sub> O	Trichloroacetaldehyde	298.2	6.8				
C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub>	Trichloroacetic acid	333.2	4.34	0.13412E+01	0.90000E-02	-0.24130E-14	333-393
C <sub>2</sub> HCl <sub>5</sub>	Pentachloroethane	298.2	3.716	0.65972E+01	-0.96800E-02		298-338
C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>	Trifluoroacetic acid	293.2	8.42	0.21652E+02	-0.68146E-01	0.78571E-04	263-323
C <sub>2</sub> H <sub>2</sub>	Acetylene	195.0	2.4841				
C <sub>2</sub> H <sub>2</sub> Br <sub>2</sub>	<i>cis</i> -1,2-Dibromoethylene	298.2	7.08				
C <sub>2</sub> H <sub>2</sub> Br <sub>2</sub>	<i>trans</i> -1,2-Dibromoethylene	298.2	2.88				
C <sub>2</sub> H <sub>2</sub> Br <sub>4</sub>	1,1,2,2-Tetrabromoethane	303.2	6.72	0.16246E+02	-0.31500E-01		303-333
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	1,1-Dichloroethylene	293.2	4.60				
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	<i>cis</i> -1,2-Dichloroethylene	298.2	9.20				
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	<i>trans</i> -1,2-Dichloroethylene	293.2	2.14				
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	Dichloroacetic acid	293.2	8.33	0.11014E+02	-0.10859E-01	0.49242E-05	284-363
C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,1,2-Tetrachloroethane	207.2	9.22	0.19606E+02	-0.49847E-01		207-233
C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloroethane	293.2	8.50				
C <sub>2</sub> H <sub>2</sub> I <sub>2</sub>	<i>cis</i> -1,2-Diiodoethylene	345.65	4.46				
C <sub>2</sub> H <sub>3</sub> ClO	Acetyl chloride	295.2	15.8				
C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	Chloroacetic acid	338.2	12.35	0.17310E+02	-0.14674E-01		338-393
C <sub>2</sub> H <sub>3</sub> Cl <sub>2</sub> NO <sub>2</sub>	1,1-Dichloro-1-nitroethane	303.2	16.3	0.37576E+02	-0.70400E-01		303-333
C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	1,1,1-Trichloroethane	293.2	7.243	0.27705E+02	-0.10621E+00	0.12424E-03	258-318
C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	1,1,2-Trichloroethane	298.2	7.1937	0.17147E+02	-0.33371E-01		288-318
C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> O	2,2,2-Trifluoroethanol	293.2	27.68	0.90593E+02	-0.21421E+00		293-318
C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	293.2	36.64	0.29724E+03	-0.15508E+01	0.22591E-02	288-333
C <sub>2</sub> H <sub>3</sub> NO	Methyl isocyanate	288.7	21.75				
C <sub>2</sub> H <sub>4</sub>	Ethylene	270.0	1.4833	0.13546E+01	0.62614E-02	-0.21374E-04	200-270
C <sub>2</sub> H <sub>4</sub> BrCl	1-Bromo-2-chloroethane	283.2	7.41	0.19493E+02	-0.59054E-01	0.58036E-04	263-363
C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	1,2-Dibromoethane	293.2	4.9612	0.67142E+01	-0.59800E-02		293-313
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1,1-Dichloroethane	298.2	10.10	0.24429E+02	-0.48000E-01		288-318

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1,2-Dichloroethane	293.2	10.42	0.24404E+02	-0.47892E-01		293-343
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> O	Bis(chloromethyl) ether	293.2	3.51				
C <sub>2</sub> H <sub>4</sub> N <sub>2</sub> O <sub>6</sub>	Ethylene glycol dinitrate	293.2	28.26				
C <sub>2</sub> H <sub>4</sub> O	Acetaldehyde	291.2	21.0				
C <sub>2</sub> H <sub>4</sub> O	Ethylene oxide	293.2	12.42	0.52661E+02	-0.21337E+00	0.25947E-03	293-243
C <sub>2</sub> H <sub>4</sub> OS	Thioacetic acid	298.2	14.30				
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Acetic acid	293.2	6.20	-0.15731E+02	0.12662E+00	-0.17738E-03	293-363
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl formate	288.2	9.20	0.19699E+02	-0.36429E-01		288-302
C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> S	Ethylene glycol sulfite	298.2	39.6	0.85483E+02	-0.15400E+00		298-328
C <sub>2</sub> H <sub>5</sub> Br	Bromoethane	298.2	9.01	0.28473E+02	-0.85495E-01	0.67971E-04	243-308
C <sub>2</sub> H <sub>5</sub> Cl	Chloroethane	293.2	9.45	0.60693E+02	-0.31290E+00	0.47154E-03	237-293
C <sub>2</sub> H <sub>5</sub> ClO	2-Chloroethanol	293.2	25.80	0.11155E+03	-0.30149E+00		140-175
C <sub>2</sub> H <sub>5</sub> I	Iodoethane	293.2	7.82	0.25598E+02	-0.94367E-01	0.11424E-03	183-343
C <sub>2</sub> H <sub>5</sub> N	Ethyleneimine	298.2	18.3	0.61405E+02	-0.14474E+00		273-298
C <sub>2</sub> H <sub>5</sub> NO	Acetamide	363.7	67.6	-0.20055E+03	0.15515E+01	-0.22392E-02	364-448
C <sub>2</sub> H <sub>5</sub> NO	N-Methylformamide	293.2	189.0	0.10383E+04	-0.43165E+01	0.48398E-02	276-353
C <sub>2</sub> H <sub>5</sub> NO	Acetaldoxime	298.2	4.70				
C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	288.2	29.11	0.57406E+02	-0.97657E-01		276-333
C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Methyl carbamate	328.2	18.48	0.36773E+02	-0.55700E-01		328-368
C <sub>2</sub> H <sub>5</sub> NO <sub>3</sub>	Ethyl nitrate	293.2	19.7				
C <sub>2</sub> H <sub>6</sub>	Ethane	95.0	1.9356	0.20185E+01	-0.51493E-03	-0.48148E-05	95-295
C <sub>2</sub> H <sub>6</sub> O	Ethanol	293.2	25.3	0.15145E+03	-0.87020E+00	0.19570E-02	163-523
C <sub>2</sub> H <sub>6</sub> O	Dimethyl ether	258.0	6.18	0.22389E+02	-0.86524E-01	0.91291E-04	155-258
C <sub>2</sub> H <sub>6</sub> OS	Dimethyl sulfoxide	293.2	47.24	0.38478E+02	0.16939E+00	-0.47423E-03	288-343
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Ethylene glycol	293.2	41.4	0.14355E+03	-0.48573E+00	0.46703E-03	293-423
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> S	Dimethyl sulfone	383.2	47.39	0.10830E+03	-0.15900E+00		383-398
C <sub>2</sub> H <sub>6</sub> O <sub>4</sub> S	Dimethyl sulfate	298.2	55.0				
C <sub>2</sub> H <sub>6</sub> S	Ethanethiol	298.2	6.667				
C <sub>2</sub> H <sub>6</sub> S	Dimethyl sulfide	294.2	6.70				
C <sub>2</sub> H <sub>6</sub> S <sub>2</sub>	1,2-Ethanedithiol	293.2	7.26	0.11228E+02	-0.13500E-01		293-333
C <sub>2</sub> H <sub>6</sub> S <sub>2</sub>	Dimethyl disulfide	298.2	9.6	0.19109E+02	-0.32000E-01		298-323
C <sub>2</sub> H <sub>7</sub> N	Ethylamine	273.2	8.7	0.30163E+02	-0.79000E-01		233-273
C <sub>2</sub> H <sub>7</sub> NO	Ethanolamine	293.2	31.94	0.14890E+03	-0.62491E+00	0.77143E-03	253-293
C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	1,2-Ethanediamine	293.2	13.82	0.48922E+02	-0.17021E+00	0.17262E-03	273-333
C <sub>3</sub> Cl <sub>6</sub> O	Hexachloroacetone	291.9	3.925	0.76423E+01	-0.15838E-01	0.10618E-04	269-303
C <sub>3</sub> F <sub>6</sub> O	Perfluoroacetone	202.2	2.104	0.34809E+01	-0.92883E-02	0.12282E-04	151-238
C <sub>3</sub> HN	Cyanoacetylene	291.9	72.3	0.91803E+03	-0.49149E+01	0.69104E-02	281-314
C <sub>3</sub> H <sub>2</sub> F <sub>6</sub> O	1,1,1,3,3,3-Hexafluoro-2-propanol	293.2	16.70				
C <sub>3</sub> H <sub>3</sub> ClO <sub>3</sub>	4-Chloro-1,3-dioxolan-2-one	313.2	62.0				
C <sub>3</sub> H <sub>3</sub> N	Acrylonitrile	293.2	33.0	0.11109E+03	-0.36806E+00	0.34879E-03	233-413
C <sub>3</sub> H <sub>3</sub> NO <sub>2</sub>	Cyanoacetic acid	277.2	33.4				
C <sub>3</sub> H <sub>4</sub>	Allene	269.0	2.025	0.26049E+01	-0.44147E-03	-0.63420E-05	156-269
C <sub>3</sub> H <sub>4</sub>	Propyne	246.0	3.218	0.60871E+01	-0.11730E-01		185-246
C <sub>3</sub> H <sub>4</sub> ClF <sub>3</sub>	3-Chloro-1,1,1-trifluoropropane	295.2	7.32	0.22361E+02	-0.68840E-01	0.60594E-04	275-313
C <sub>3</sub> H <sub>4</sub> ClNO	2-Chloroethyl isocyanate	288.2	29.1	0.64311E+02	-0.12217E+00		288-403
C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub> O	1,1-Dichloroacetone	293.2	14.6				
C <sub>3</sub> H <sub>4</sub> F <sub>4</sub> O	2,2,3,3-Tetrafluoro-1-propanol	298.2	21.03				
C <sub>3</sub> H <sub>4</sub> O	Propargyl alcohol	293.2	20.8	0.99895E+02	-0.38911E+00	0.40776E-03	213-293
C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	Ethylene carbonate	313.2	89.78	0.20746E+03	-0.37610E+00		313-343
C <sub>3</sub> H <sub>5</sub> Br	3-Bromopropene	293.2	7.0				
C <sub>3</sub> H <sub>5</sub> BrO <sub>2</sub>	2-Bromopropenoic acid	294.2	11.0				
C <sub>3</sub> H <sub>5</sub> Br <sub>3</sub>	1,2,3-Tribromopropene	303.2	6.00	0.11024E+02	-0.16596E-01		303-358
C <sub>3</sub> H <sub>5</sub> Cl	2-Chloropropene	299.25	8.92				
C <sub>3</sub> H <sub>5</sub> Cl	3-Chloropropene	293.2	8.2				
C <sub>3</sub> H <sub>5</sub> ClN <sub>2</sub> O <sub>6</sub>	3-Chloro-1,2-propanediol dinitrate	293.2	17.50				
C <sub>3</sub> H <sub>5</sub> ClO	Epichlorohydrin	293.2	22.6				
C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub>	Ethyl chloroformate	308.7	9.736	0.15356E+02	-0.18250E-01		309-349
C <sub>3</sub> H <sub>5</sub> ClO <sub>2</sub>	Methyl chloroacetate	293.2	12.0				
C <sub>3</sub> H <sub>5</sub> Cl <sub>3</sub>	1,2,3-Trichloropropane	293.2	7.5				
C <sub>3</sub> H <sub>5</sub> I	3-Iodopropene	292.2	6.1				
C <sub>3</sub> H <sub>5</sub> N	Propanenitrile	293.2	29.7	0.82222E+02	-0.22937E+00	0.17424E-03	213-473
C <sub>3</sub> H <sub>5</sub> NO	Ethyl isocyanate	293.2	19.7				
C <sub>3</sub> H <sub>5</sub> NS	Ethyl isothiocyanate	293.2	19.6				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>3</sub> H <sub>5</sub> N <sub>3</sub> O <sub>9</sub>	Trinitroglycerol	293.2	19.25				
C <sub>3</sub> H <sub>6</sub>	Propene	220.0	2.1365	0.29623E+01	-0.37564E-02		220-250
C <sub>3</sub> H <sub>6</sub> Br <sub>2</sub>	1,2-Dibromopropane	283.2	4.60	0.54973E+01	-0.31695E-02		283-333
C <sub>3</sub> H <sub>6</sub> Br <sub>2</sub>	1,3-Dibromopropane	293.2	9.482	0.29193E+02	-0.94450E-01	0.92800E-04	293-368
C <sub>3</sub> H <sub>6</sub> ClNO <sub>2</sub>	2-Chloro-2-nitropropane	250.4	31.90				
C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	1,2-Dichloropropane	293.2	8.37	0.18915E+02	-0.35907E-01		281-323
C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	1,3-Dichloropropane	303.2	10.27	0.21609E+02	-0.37333E-01		303-333
C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	2,2-Dichloropropane	293.2	11.37	0.32421E+02	-0.72188E-01		245-293
C <sub>3</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	2,2-Dinitropropane	325.1	42.4				
C <sub>3</sub> H <sub>6</sub> O	Allyl alcohol	293.2	19.7	0.62714E+02	-0.14771E+00	0.37879E-05	213-303
C <sub>3</sub> H <sub>6</sub> O	Propanal	290.2	18.5				
C <sub>3</sub> H <sub>6</sub> O	Acetone	293.2	21.01	0.88157E+02	-0.34300E+00	0.38925E-03	273-323
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propanoic acid	298.2	3.44	0.18793E+01	0.46841E-02	0.19983E-05	289-408
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl formate	288.2	8.57	0.15884E+02	-0.25333E-01		288-318
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acetate	288.2	7.07	0.13190E+02	-0.21226E-01		276-318
C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	3-Hydroxypropanoic acid	296.2	30.0				
C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl carbonate	298.2	3.087				
C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	1,3,5-Trioxane	338.2	15.55				
C <sub>3</sub> H <sub>7</sub> Br	1-Bromopropane	293.2	8.09	0.17769E+02	-0.32599E-01		274-328
C <sub>3</sub> H <sub>7</sub> Br	2-Bromopropane	293.2	9.46	0.26195E+02	-0.72995E-01	0.55454E-04	186-328
C <sub>3</sub> H <sub>7</sub> Cl	1-Chloropropane	293.2	8.588	0.21214E+02	-0.43130E-01		273-313
C <sub>3</sub> H <sub>7</sub> ClO	3-Chloro-1-propanol	215.2	36.0	0.12436E+03	-0.60841E+00	0.92060E-03	145-215
C <sub>3</sub> H <sub>7</sub> ClO	1-Chloro-2-propanol	153.2	59.0	-0.19169E+02	0.13605E+01	-0.55567E-02	153-177
C <sub>3</sub> H <sub>7</sub> ClO <sub>2</sub>	3-Chloro-1,2-propanediol	293.2	31.0				
C <sub>3</sub> H <sub>7</sub> I	1-Iodopropane	293.2	7.07	0.13744E+02	-0.22745E-01		293-323
C <sub>3</sub> H <sub>7</sub> I	2-Iodopropane	298.2	8.19				
C <sub>3</sub> H <sub>7</sub> NO	<i>N</i> -Ethylformamide	298.2	102.7	0.64764E+03	-0.28499E+01	0.34286E-02	298-338
C <sub>3</sub> H <sub>7</sub> NO	<i>N,N</i> -Dimethylformamide	293.2	38.25	0.15364E+03	-0.60367E+00	0.71505E-03	213-353
C <sub>3</sub> H <sub>7</sub> NO	<i>N</i> -Methylacetamide	303.2	179.0	0.15975E+04	-0.90451E+01	0.18345E-01	303-473
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	1-Nitropropane	288.2	24.70	0.94999E+02	-0.38358E+00	0.48480E-03	276-333
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	2-Nitropropane	288.2	26.74	0.60138E+02	-0.11566E+00		276-303
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	Propyl nitrite	250.0	12.35	0.70552E+02	-0.40362E+00	0.66687E-03	110-310
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	Isopropyl nitrite	260.0	13.92	0.74578E+02	-0.38283E+00	0.57071E-03	150-300
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	Ethyl carbamate	328.2	14.14	0.32431E+02	-0.65097E-01	0.28571E-04	328-368
C <sub>3</sub> H <sub>8</sub>	Propane	293.19	1.6678	0.22883E+01	-0.23276E-02	0.84710E-06	90-300
C <sub>3</sub> H <sub>8</sub> O	1-Propanol	293.2	20.8	0.98045E+02	-0.36860E+00	0.36422E-03	193-493
C <sub>3</sub> H <sub>8</sub> O	2-Propanol	293.2	20.18	0.10416E+03	-0.41011E+00	0.42049E-03	193-493
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	1,2-Propylene glycol	303.2	27.5	0.24546E+03	-0.15738E+01	0.38068E-02	193-403
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	1,3-Propylene glycol	293.2	35.1	0.11365E+03	-0.36680E+00	0.33766E-03	288-328
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Ethylene glycol monomethyl ether	298.2	17.2	0.11803E+03	-0.58000E+00	0.81001E-03	254-318
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Dimethoxymethane	293.2	2.644	0.25877E+01	-0.93019E-03	0.38472E-05	171-293
C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Glycerol	293.2	46.53	0.77503E+02	-0.37984E-01	-0.23107E-03	288-343
C <sub>3</sub> H <sub>8</sub> S	1-Propanethiol	288.2	5.937	0.11602E+02	-0.19580E-01		273-318
C <sub>3</sub> H <sub>8</sub> S	2-Propanethiol	298.2	5.952				
C <sub>3</sub> H <sub>8</sub> S <sub>2</sub>	1,2-Propanedithiol	293.2	7.24	0.14667E+02	-0.32660E-01	0.25000E-04	293-333
C <sub>3</sub> H <sub>8</sub> S <sub>2</sub>	1,3-Propanedithiol	303.2	8.11	0.66607E+01	0.31310E-01	-0.87500E-04	303-343
C <sub>3</sub> H <sub>9</sub> BO <sub>3</sub>	Trimethyl borate	293.2	2.2762				
C <sub>3</sub> H <sub>9</sub> ClSi	Trimethylchlorosilane	273.2	10.21	-0.19492E+02	0.29806E+00	-0.69284E-03	223-273
C <sub>3</sub> H <sub>9</sub> N	Propylamine	296.2	5.08	0.17719E+02	-0.59022E-01	0.54780E-04	204-296
C <sub>3</sub> H <sub>9</sub> N	Isopropylamine	293.2	5.6268	0.40429E+02	-0.21441E+00	0.32634E-03	213-298
C <sub>3</sub> H <sub>9</sub> N	Trimethylamine	298.2	2.440	0.39745E+01	-0.51331E-02		273-298
C <sub>3</sub> H <sub>9</sub> O <sub>4</sub> P	Trimethyl phosphate	293.2	20.6				
C <sub>4</sub> Cl <sub>6</sub>	Hexachloro-1,3-butadiene	293.2	2.55				
C <sub>4</sub> Cl <sub>6</sub> O <sub>3</sub>	Trichloroacetic anhydride	298.2	5.0				
C <sub>4</sub> F <sub>6</sub> O <sub>3</sub>	Trifluoroacetic acid anhydride	298.2	2.7				
C <sub>4</sub> H <sub>2</sub> Cl <sub>4</sub> O <sub>3</sub>	Dichloroacetic anhydride	298.2	15.8				
C <sub>4</sub> H <sub>2</sub> O <sub>3</sub>	Maleic anhydride	326.2	52.75				
C <sub>4</sub> H <sub>3</sub> F <sub>7</sub> O	2,2,3,3,4,4,4-Heptafluoro-1-butanol	298.2	14.4				
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Succinonitrile	298.2	62.6	0.17724E+03	-0.54654E+00	0.54046E-03	236-351
C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	Pyrazine	323.2	2.80				
C <sub>4</sub> H <sub>4</sub> O	Furan	277.1	2.88	0.13636E+01	0.12864E-01	-0.22701E-04	188-277
C <sub>4</sub> H <sub>4</sub> S	Thiophene	293.2	2.739	0.32941E+01	-0.19019E-02		253-293
C <sub>4</sub> H <sub>5</sub> Cl	2-Chloro-1,3-butadiene	293.2	4.914				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>2</sub>	Ethyl trichloroacetate	293.2	8.428				
C <sub>4</sub> H <sub>5</sub> N	Pyrrrole	293.0	8.00	0.12672E+02	-0.14075E-01	-0.62671E-05	293-357
C <sub>4</sub> H <sub>5</sub> NO	Allyl isocyanate	288.2	15.15	0.34299E+02	-0.66444E-01		288-333
C <sub>4</sub> H <sub>6</sub>	1,3-Butadiene	265.0	2.050	0.27674E+01	-0.26738E-02		185-265
C <sub>4</sub> H <sub>6</sub> O	Divinyl ether	288.2	3.94				
C <sub>4</sub> H <sub>6</sub> O	Ethoxyacetylene	298.2	8.05				
C <sub>4</sub> H <sub>6</sub> O	Cyclobutanone	298.2	14.27	0.43974E+02	-0.15712E+00	0.19264E-03	220-317
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acrylate	303.2	7.03	0.11968E+02	-0.16500E-01		303-333
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	2,3-Butanedione	298.2	4.04	0.46907E+01	-0.22302E-02		278-348
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	$\gamma$ -Butyrolactone	293.2	39.0				
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Acetic anhydride	293.2	22.45				
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Propylene carbonate	293.0	66.14	0.15940E+03	-0.39530E+00	0.26284E-03	273-333
C <sub>4</sub> H <sub>7</sub> Br	<i>cis</i> -2-Bromo-2-butene	293.2	5.38				
C <sub>4</sub> H <sub>7</sub> Br	<i>trans</i> -2-Bromo-2-butene	293.2	6.76				
C <sub>4</sub> H <sub>7</sub> BrO <sub>2</sub>	2-Bromobutanoic acid	293.2	7.2				
C <sub>4</sub> H <sub>7</sub> BrO <sub>2</sub>	Ethyl bromoacetate	303.2	9.75	0.15627E+02	-0.19600E-01		303-333
C <sub>4</sub> H <sub>7</sub> BrO <sub>2</sub>	Methyl 3-bromopropanoate	303.2	5.81	0.36001E+01	0.72500E-02		303-343
C <sub>4</sub> H <sub>7</sub> ClO <sub>2</sub>	Propyl chlorocarbonate	293.2	11.2				
C <sub>4</sub> H <sub>7</sub> ClO <sub>2</sub>	Methyl 2-chloropropanoate	303.2	11.45	0.22449E+02	-0.36250E-01		303-343
C <sub>4</sub> H <sub>7</sub> N	Butanenitrile	293.2	24.83	0.53884E+02	-0.99257E-01		293-333
C <sub>4</sub> H <sub>7</sub> N	2-Methylpropanenitrile	293.2	24.42	0.52554E+02	-0.96000E-01		293-313
C <sub>4</sub> H <sub>7</sub> NO	2-Pyrrolidone	298.2	28.18	0.11054E+03	-0.47945E+00	0.68182E-03	298-338
C <sub>4</sub> H <sub>8</sub>	1-Butene	220.0	2.2195	0.29354E+01	-0.32580E-02		220-250
C <sub>4</sub> H <sub>8</sub>	<i>cis</i> -2-Butene	296.0	1.960	0.28802E+01	-0.31064E-02		197-296
C <sub>4</sub> H <sub>8</sub>	Isobutene	288.7	2.1225	0.33701E+01	-0.43295E-02		220-289
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,2-Dibromobutane	293.2	4.74	0.11199E+03	-0.63334E+00	0.91250E-03	293-333
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,3-Dibromobutane	293.2	9.14	0.34031E+02	-0.13254E+00	0.16250E-03	293-333
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,4-Dibromobutane	303.2	8.68	0.20944E+02	-0.55620E-01	0.50000E-04	303-333
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	2,3-Dibromobutane	298.2	6.245	0.23849E+02	-0.96300E-01	0.12500E-03	293-333
C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	1,2-Dibromo-2-methylpropane	293.2	4.1				
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	1,2-Dichlorobutane	293.2	7.74	0.31925E+02	-0.13232E+00	0.17007E-03	293-356
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	1,4-Dichlorobutane	308.2	9.30	0.59766E+01	0.49300E-01	-0.12500E-03	308-338
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	1,2-Dichloro-2-methylpropane	296.0	7.15	0.39429E+02	-0.20028E+00	0.30917E-03	165-296
C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub> O	Bis(2-chloroethyl) ether	293.2	21.20				
C <sub>4</sub> H <sub>8</sub> O	Butanal	298.2	13.45				
C <sub>4</sub> H <sub>8</sub> O	2-Butanone	293.2	18.56	0.15457E+02	0.90152E-01	-0.27100E-03	293-333
C <sub>4</sub> H <sub>8</sub> O	Tetrahydrofuran	295.2	7.52	0.30739E+02	-0.12946E+00	0.17195E-03	224-295
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Butanoic acid	287.2	2.98	0.15010E+01	0.50046E-02		287-403
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	2-Methylpropanoic acid	293.2	2.58				
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl formate	303.2	6.92				
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acetate	293.2	6.0814	0.15646E+02	-0.44066E-01	0.39137E-04	293-433
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Methyl propanoate	293.2	6.200	0.12798E+02	-0.22540E-01		293-333
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	1,4-Dioxane	293.2	2.2189	0.27299E+01	-0.17440E-02		293-313
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	2-Hydroxybutanoic acid	296.2	37.7				
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	3-Hydroxybutanoic acid	296.2	31.5				
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	Ethyl methyl carbonate	293.2	2.985				
C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	Ethylene glycol monoacetate	303.2	12.95				
C <sub>4</sub> H <sub>9</sub> Br	1-Bromobutane	283.2	7.315	0.22542E+02	-0.79306E-01	0.89867E-04	183-363
C <sub>4</sub> H <sub>9</sub> Br	2-Bromobutane	298.2	8.64	0.18461E+02	-0.32933E-01		274-328
C <sub>4</sub> H <sub>9</sub> Br	1-Bromo-2-methylpropane	273.2	7.70	0.37558E+02	-0.20571E+00	0.35496E-03	112-273
C <sub>4</sub> H <sub>9</sub> Br	2-Bromo-2-methylpropane	293.0	10.98	0.35085E+02	-0.14075E+00	0.19960E-03	258-293
C <sub>4</sub> H <sub>9</sub> Cl	1-Chlorobutane	293.2	7.276	0.13565E+02	-0.10161E-01	-0.38750E-04	273-323
C <sub>4</sub> H <sub>9</sub> Cl	2-Chlorobutane	293.2	8.564	0.30376E+02	-0.11377E+00	0.13429E-03	273-323
C <sub>4</sub> H <sub>9</sub> Cl	1-Chloro-2-methylpropane	293.2	7.027	0.14945E+02	-0.33747E-01	0.23036E-04	273-323
C <sub>4</sub> H <sub>9</sub> Cl	2-Chloro-2-methylpropane	293.2	9.663	0.35077E+02	-0.12867E+00	0.14304E-03	273-323
C <sub>4</sub> H <sub>9</sub> I	1-Iodobutane	293.2	6.27	0.16493E+02	-0.50262E-01	0.52485E-04	293-323
C <sub>4</sub> H <sub>9</sub> I	2-Iodobutane	293.2	7.873	0.10883E+02	-0.14680E-02	-0.30000E-04	293-323
C <sub>4</sub> H <sub>9</sub> I	2-Iodo-2-methylpropane	283.2	6.65	0.76780E+01	0.69900E-02	-0.37500E-04	283-323
C <sub>4</sub> H <sub>9</sub> N	Pyrrolidine	293.0	8.30	0.38191E+02	-0.15462E+00	0.17941E-03	274-333
C <sub>4</sub> H <sub>9</sub> NO	<i>N</i> -Methylpropanamide	293.2	170.0				
C <sub>4</sub> H <sub>9</sub> NO	<i>N</i> -Ethylacetamide	293.2	135.0	0.74494E+03	-0.31400E+01	0.36131E-02	213-353
C <sub>4</sub> H <sub>9</sub> NO	<i>N,N</i> -Dimethylacetamide	294.2	38.85	0.15420E+03	-0.57506E+00	0.61911E-03	294-433
C <sub>4</sub> H <sub>9</sub> NO	2-Butanone oxime	293.2	3.4				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>4</sub> H <sub>9</sub> NO	Morpholine	298.2	7.42				
C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub>	<i>tert</i> -Butyl nitrite	298.2	11.47				
C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub>	Propyl carbamate	338.2	12.06	0.24356E+02	-0.36400E-01		338-378
C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub>	Ethyl- <i>N</i> -methyl carbamate	298.2	21.10	0.11477E+03	-0.47568E+00	0.54127E-03	298-373
C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub>	<i>N</i> -Acetyethanolamine	298.2	96.6	0.37016E+03	-0.13113E+01	0.13214E-02	298-348
C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>	Butyl nitrate	293.2	13.10				
C <sub>4</sub> H <sub>10</sub>	Butane	295.0	1.7697	0.22379E+01	-0.13884E-02	-0.66711E-06	135-303
C <sub>4</sub> H <sub>10</sub>	Isobutane	295.0	1.7518	0.23295E+01	-0.19953E-02	0.14197E-06	115-303
C <sub>4</sub> H <sub>10</sub> O	1-Butanol	293.2	17.84	0.10578E+03	-0.50587E+00	0.84733E-03	193-553
C <sub>4</sub> H <sub>10</sub> O	2-Butanol	293.2	17.26	0.13850E+03	-0.75146E+00	0.14086E-02	172-533
C <sub>4</sub> H <sub>10</sub> O	2-Methyl-1-propanol	293.2	17.93	0.10762E+03	-0.51398E+00	0.83702E-03	173-533
C <sub>4</sub> H <sub>10</sub> O	2-Methyl-2-propanol	298.2	12.47	0.22541E+03	-0.14990E+01	0.34050E-02	298-503
C <sub>4</sub> H <sub>10</sub> O	Diethyl ether	293.2	4.2666	0.79725E+01	-0.12519E-01		283-301
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	1,2-Butanediol	298.2	22.4	0.63702E+02	-0.13807E+00		278-323
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	1,3-Butanediol	298.2	28.8	0.72883E+02	-0.14770E+00		278-323
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	1,4-Butanediol	298.2	31.9	0.13079E+03	-0.46985E+00	0.46320E-03	288-328
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	Ethylene glycol monoethyl ether	298.2	13.38				
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	Ethylene glycol dimethyl ether	296.7	7.30	0.48832E+02	-0.24218E+00	0.34413E-03	256-318
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S	Bis(2-hydroxyethyl) sulfide	293.2	28.61	0.13128E+03	-0.52719E+00	0.60465E-03	253-333
C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	Diethylene glycol	293.2	31.82	0.13973E+03	-0.54725E+00	0.61149E-03	288-343
C <sub>4</sub> H <sub>10</sub> O <sub>3</sub> S	Diethyl sulfite	293.2	15.6				
C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	1,2,3,4-Butanetetrol	393.2	28.2				
C <sub>4</sub> H <sub>10</sub> O <sub>4</sub> S	Diethyl sulfate	293.2	29.2				
C <sub>4</sub> H <sub>10</sub> S	1-Butanethiol	288.2	5.204	0.11201E+02	-0.20767E-01		273-318
C <sub>4</sub> H <sub>10</sub> S	2-Butanethiol	288.2	5.645	0.10866E+02	-0.17993E-01		273-318
C <sub>4</sub> H <sub>10</sub> S	2-Methyl-1-propanethiol	298.2	4.961				
C <sub>4</sub> H <sub>10</sub> S	2-Methyl-2-propanethiol	293.2	5.475	0.10597E+02	-0.17500E-01		283-313
C <sub>4</sub> H <sub>10</sub> S	Diethyl sulfide	298.2	5.723				
C <sub>4</sub> H <sub>11</sub> N	Butylamine	293.2	4.71	0.13322E+02	-0.44176E-01	0.50250E-04	223-333
C <sub>4</sub> H <sub>11</sub> N	Diethylamine	293.2	3.680	0.26462E+02	-0.13750E+00	0.20373E-03	243-323
C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>	Diethanolamine	293.2	25.75	0.73435E+02	-0.21377E+00	0.17500E-03	273-323
C <sub>4</sub> H <sub>12</sub> O <sub>2</sub> Si	Dimethoxydimethylsilane	298.2	3.663				
C <sub>4</sub> H <sub>12</sub> O <sub>3</sub> Si	Trimethoxymethylsilane	298.2	4.9				
C <sub>4</sub> H <sub>12</sub> O <sub>4</sub> Si	Tetramethyl silicate	293.2	6.0				
C <sub>4</sub> H <sub>12</sub> Si	Diethylsilane	293.2	2.544				
C <sub>4</sub> H <sub>12</sub> Si	Tetramethylsilane	293.2	1.921				
C <sub>4</sub> H <sub>13</sub> N <sub>3</sub>	Diethylenetriamine	293.2	12.62	0.57840E+02	-0.23873E+00	0.28841E-03	213-333
C <sub>5</sub> FeO <sub>5</sub>	Iron pentacarbonyl	293.2	2.602				
C <sub>5</sub> H <sub>4</sub> BrN	2-Bromopyridine	298.2	23.18	0.73391E+02	-0.23678E+00	0.22930E-03	298-398
C <sub>5</sub> H <sub>4</sub> ClN	2-Chloropyridine	298.2	27.32	0.98702E+02	-0.34237E+00	0.34502E-03	298-398
C <sub>5</sub> H <sub>4</sub> F <sub>8</sub> O	2,2,3,3,4,4,5,5-Octafluoro-1-pentanol	298.2	15.30				
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	Furfural	293.2	42.1				
C <sub>5</sub> H <sub>5</sub> N	Pyridine	293.2	13.260	0.43991E+02	-0.15150E+00	0.15925E-03	293-323
C <sub>5</sub> H <sub>5</sub> NO	Pyridine-1-oxide	343.0	35.94	0.20878E+02	0.16450E+00	-0.35269E-03	343-398
C <sub>5</sub> H <sub>6</sub> O	2-Methylfuran	293.2	2.76				
C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>	Furfuryl alcohol	298.2	16.85				
C <sub>5</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	Propyl trichloroacetate	298.2	8.32				
C <sub>5</sub> H <sub>7</sub> NO <sub>2</sub>	Ethyl cyanoacetate	263.2	31.62				
C <sub>5</sub> H <sub>8</sub>	1,3-Pentadiene*	298.2	2.319				
C <sub>5</sub> H <sub>8</sub>	1,4-Pentadiene	294.0	2.054	0.29994E+01	-0.34578E-02	0.85300E-06	178-294
C <sub>5</sub> H <sub>8</sub>	2-Methyl-1,3-butadiene	293.2	2.098	0.28170E+01	-0.23147E-02	-0.43975E-06	198-293
C <sub>5</sub> H <sub>8</sub>	Cyclopentene	295.0	2.083	0.28177E+01	-0.27597E-02	0.89346E-06	171-319
C <sub>5</sub> H <sub>8</sub> O	Cyclopentanone	298.2	13.58	0.24083E+02	-0.30286E-01	-0.16802E-04	219-298
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acrylate	303.2	6.05	0.47827E+02	-0.24394E+00	0.35000E-03	303-343
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl <i>trans</i> -2-butenolate	293.2	6.6645				
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl methacrylate	303.2	6.32	0.32098E+02	-0.14568E+00	0.20000E-03	303-343
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	2,4-Pentanedione	303.2	26.524				
C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	Dimethyl malonate	293.2	9.82	0.26470E+02	-0.76656E-01	0.67888E-04	293-433
C <sub>5</sub> H <sub>9</sub> BrO <sub>2</sub>	Ethyl 2-bromopropanoate	293.2	9.4				
C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	Isobutyl chlorocarbonate	293.2	9.1				
C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	Ethyl 2-chloropropanoate	303.2	11.95	0.25965E+02	-0.46250E-01		303-343
C <sub>5</sub> H <sub>9</sub> ClO <sub>3</sub>	Ethyl 3-chloropropanoate	303.2	10.19	0.21951E+02	-0.38750E-01		303-343
C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	Methyl 4-chlorobutanoate	303.2	9.51	0.17127E+02	-0.25000E-01		303-343

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>5</sub> H <sub>9</sub> N	Pentanenitrile	293.2	20.04	0.55793E+02	-0.15750E+00	0.12432E-03	183-333
C <sub>5</sub> H <sub>9</sub> N	2,2-Dimethylpropanenitrile	293.2	21.1	0.58418E+02	-0.16884E+00	0.14131E-03	293-453
C <sub>5</sub> H <sub>9</sub> NO	Isobutyl isocyanate	293.2	11.638	0.38026E+02	-0.12714E+00	0.12679E-03	293-353
C <sub>5</sub> H <sub>9</sub> NO	N-Methyl-2-pyrrolidone	293.2	32.55				
C <sub>5</sub> H <sub>10</sub>	1-Pentene	293.2	2.011	-0.11438E+01	0.25420E-01	-0.50000E-04	273-293
C <sub>5</sub> H <sub>10</sub>	2-Methyl-1-butene	293.2	2.180				
C <sub>5</sub> H <sub>10</sub>	2-Methyl-2-butene	296.0	1.979	0.26064E+01	-0.19578E-02	-0.53908E-06	225-296
C <sub>5</sub> H <sub>10</sub>	Cyclopentane	293.2	1.9687	0.24287E+01	-0.15304E-02	-0.13095E-06	278-313
C <sub>5</sub> H <sub>10</sub>	Ethylcyclopropane	293.2	1.933				
C <sub>5</sub> H <sub>10</sub> Br <sub>2</sub>	1,2-Dibromopentane	298.2	4.39				
C <sub>5</sub> H <sub>10</sub> Br <sub>2</sub>	1,4-Dibromopentane	293.2	9.05	0.26443E+02	-0.88640E-01	0.10000E-03	293-333
C <sub>5</sub> H <sub>10</sub> Br <sub>2</sub>	1,5-Dibromopentane	303.2	9.14	0.38192E+02	-0.15648E+00	0.20000E-03	303-333
C <sub>5</sub> H <sub>10</sub> Cl <sub>2</sub>	1,2-Dichloropentane	293.2	6.89	0.19016E+02	-0.57954E-01	0.56801E-04	293-356
C <sub>5</sub> H <sub>10</sub> Cl <sub>2</sub>	1,5-Dichloropentane	298.2	9.92				
C <sub>5</sub> H <sub>10</sub> O	Cyclopentanol	288.2	18.5	0.10565E+03	-0.44244E+00	0.48657E-03	258-323
C <sub>5</sub> H <sub>10</sub> O	Pentanal	293.2	10.00				
C <sub>5</sub> H <sub>10</sub> O	2,2-Dimethylpropanal	293.2	9.051	0.18645E+02	-0.32395E-01	-0.16157E-05	280-333
C <sub>5</sub> H <sub>10</sub> O	2-Pentanone	293.2	15.45	0.40893E+02	-0.10423E+00	0.60557E-04	204-353
C <sub>5</sub> H <sub>10</sub> O	3-Pentanone	293.2	17.00	0.12690E+02	0.95177E-01	-0.27321E-03	233-353
C <sub>5</sub> H <sub>10</sub> O	3-Methyl-2-butanone	293.2	10.37	0.30695E+02	-0.10962E+00	0.13810E-03	293-328
C <sub>5</sub> H <sub>10</sub> O	Tetrahydropyran	293.2	5.66	0.19793E+02	-0.76071E-01	0.94852E-04	234-333
C <sub>5</sub> H <sub>10</sub> O	2-Methyltetrahydrofuran	298.2	6.97				
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Pentanoic acid	294.4	2.661	0.33491E+01	-0.75156E-02	0.17820E-04	250-344
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Butyl formate	303.2	6.10	0.21532E+02	-0.84106E-01	0.10952E-03	288-323
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isobutyl formate	293.2	6.41				
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl acetate	293.2	5.62	0.17677E+02	-0.61404E-01	0.69196E-04	253-353
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl propanoate	293.2	5.76				
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl butanoate	301.2	5.48	0.38604E+02	-0.19171E+00	0.27128E-03	301-343
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Tetrahydrofurfuryl alcohol	303.2	13.48				
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub> S	3-Methyl sulfolane	298.2	29.4	0.53158E+02	-0.93730E-01	0.47275E-04	298-398
C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl carbonate	297.2	2.820				
C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Ethyl lactate	303.2	15.4	0.31225E+02	-0.43531E-01	-0.28571E-04	273-373
C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>	1,2,3-Propanetriol-1-acetate	242.2	38.57	0.10653E+03	-0.26439E+00	-0.62371E-04	215-242
C <sub>5</sub> H <sub>11</sub> Br	2-Bromo-2-methylbutane	298.2	9.21				
C <sub>5</sub> H <sub>11</sub> Br	1-Bromopentane	299.2	6.31	0.20954E+02	-0.78743E-01	0.98908E-04	183-328
C <sub>5</sub> H <sub>11</sub> Br	3-Bromopentane	298.2	8.37				
C <sub>5</sub> H <sub>11</sub> Br	1-Bromo-3-methylbutane	291.5	6.33	0.27743E+02	-0.13927E+00	0.22627E-03	123-292
C <sub>5</sub> H <sub>11</sub> Cl	1-Chloropentane	293.2	6.654	0.18626E+02	-0.54719E-01	0.47143E-04	273-323
C <sub>5</sub> H <sub>11</sub> Cl	1-Chloro-3-methylbutane	292.0	6.10	0.22228E+02	-0.93189E-01	0.12991E-03	171-297
C <sub>5</sub> H <sub>11</sub> Cl	2-Chloro-2-methylbutane	222.75	12.31	0.55104E+02	-0.29866E+00	0.47840E-03	201-223
C <sub>5</sub> H <sub>11</sub> F	1-Fluoropentane	293.2	3.931				
C <sub>5</sub> H <sub>11</sub> I	1-Iodopentane	293.2	5.78	0.15753E+02	-0.50543E-01	0.56401E-04	293-323
C <sub>5</sub> H <sub>11</sub> I	3-Iodopentane	293.2	7.432				
C <sub>5</sub> H <sub>11</sub> I	1-Iodo-3-methylbutane	292.2	5.6				
C <sub>5</sub> H <sub>11</sub> I	2-Iodo-2-methylbutane	293.2	8.192				
C <sub>5</sub> H <sub>11</sub> N	Piperidine	293.0	4.33	0.82317E+01	-0.11229E-01	-0.71429E-05	293-333
C <sub>5</sub> H <sub>11</sub> N	N-Methylpyrrolidine	298.2	32.2				
C <sub>5</sub> H <sub>11</sub> NO	2,2-Dimethylpropanamide	298.2	20.13	0.10400E+03	-0.46017E+00	0.60000E-03	298-328
C <sub>5</sub> H <sub>11</sub> NO	N,N-Diethylformamide	293.2	29.6				
C <sub>5</sub> H <sub>11</sub> NO	2-Pentanone oxime	293.2	3.3				
C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	Pentyl nitrite	298.2	7.21				
C <sub>5</sub> H <sub>12</sub>	Pentane	293.2	1.8371				
C <sub>5</sub> H <sub>12</sub>	Isopentane	293.2	1.845	0.22384E+01	-0.12985E-02	-0.16182E-06	143-293
C <sub>5</sub> H <sub>12</sub>	Neopentane	296.0	1.769	0.10949E+02	-0.63057E-01	0.10835E-03	251-296
C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	Tetramethylurea	293.2	23.10				
C <sub>5</sub> H <sub>12</sub> O	1-Pentanol	298.2	15.13	0.73397E+02	-0.28165E+00	0.28427E-03	213-513
C <sub>5</sub> H <sub>12</sub> O	2-Pentanol	298.2	13.71	0.16437E+03	-0.86506E+00	0.11955E-02	273-323
C <sub>5</sub> H <sub>12</sub> O	3-Pentanol	298.2	13.35	0.12838E+03	-0.60980E+00	0.75000E-03	288-318
C <sub>5</sub> H <sub>12</sub> O	2-Methyl-1-butanol	298.2	15.63	0.14020E+02	0.13948E+00	-0.45000E-03	288-318
C <sub>5</sub> H <sub>12</sub> O	3-Methyl-1-butanol	293.2	15.63	0.79733E+02	-0.31272E+00	0.32014E-03	173-513
C <sub>5</sub> H <sub>12</sub> O	2-Methyl-2-butanol	298.2	5.78	0.11662E+03	-0.69756E+00	0.10920E-02	268-318
C <sub>5</sub> H <sub>12</sub> O	3-Methyl-2-butanol	298.2	12.1				
C <sub>5</sub> H <sub>12</sub> O	2,2-Dimethyl-1-propanol	333.2	8.35	0.92350E+02	-0.41870E+00	0.50000E-03	333-373



Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	1,2-Pentanediol	296.8	17.31	0.18436E+03	-0.10682E+01	0.17037E-02	197-297
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	1,4-Pentanediol	295.7	26.74	0.13568E+03	-0.59198E+00	0.75398E-03	193-318
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	1,5-Pentanediol	293.2	26.2	0.11858E+03	-0.45920E+00	0.49341E-03	243-343
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	2,3-Pentanediol	296.9	17.37	0.95876E+02	-0.46463E+00	0.67434E-03	238-297
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	2,4-Pentanediol	294.2	24.69	0.11914E+03	-0.52569E+00	0.69607E-03	224-294
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	Diethoxymethane	293.2	2.527	0.25294E+01	0.73988E-04	-0.28331E-06	227-293
C <sub>5</sub> H <sub>12</sub> O <sub>4</sub>	Tetramethoxymethane	293.2	2.40				
C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	Xylitol	293.2	40.0				
C <sub>5</sub> H <sub>12</sub> S	1-Pentanethiol	293.2	4.847	0.71131E+01	-0.30228E-02	-0.16414E-04	273-333
C <sub>5</sub> H <sub>12</sub> S	2-Methyl-2-butanethiol	293.2	5.087	0.15116E+02	-0.50700E-01	0.56250E-04	273-333
C <sub>5</sub> H <sub>12</sub> S <sub>4</sub>	Tetrakis(methylthio)methane	343.2	2.818				
C <sub>5</sub> H <sub>13</sub> N	Pentylamine	293.2	4.27	0.11274E+02	-0.34965E-01	0.37706E-04	223-353
C <sub>5</sub> H <sub>13</sub> N <sub>3</sub>	1,1,3,3-Tetramethylguanidine	298.2	11.5				
C <sub>5</sub> H <sub>14</sub> OSi	Ethoxytrimethylsilane	298.2	3.013				
C <sub>6</sub> F <sub>6</sub>	Hexafluorobenzene	298.2	2.029	0.24041E+01	-0.83086E-03	-0.14286E-05	298-338
C <sub>6</sub> F <sub>14</sub>	Perfluorohexane	298.2	1.76				
C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	2,4,6-Trinitrophenol	294.2	4.0				
C <sub>6</sub> H <sub>4</sub> BrF	1-Bromo-2-fluorobenzene	298.2	4.72				
C <sub>6</sub> H <sub>4</sub> BrF	1-Bromo-3-fluorobenzene	298.2	4.85				
C <sub>6</sub> H <sub>4</sub> BrF	1-Bromo-4-fluorobenzene	298.2	2.60				
C <sub>6</sub> H <sub>4</sub> BrNO <sub>2</sub>	1-Bromo-3-nitrobenzene	328.2	20.2	0.81413E+02	-0.27645E+00	0.27367E-03	328-413
C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	<i>o</i> -Dibromobenzene	293.2	7.86	-0.81849E-02	0.62671E-01	-0.12222E-03	293-353
C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	<i>m</i> -Dibromobenzene	293.2	4.81	0.93214E+01	-0.20273E-01	0.16667E-04	293-353
C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	<i>p</i> -Dibromobenzene	368.2	2.57				
C <sub>6</sub> H <sub>4</sub> ClF	1-Chloro-2-fluorobenzene	298.2	6.10				
C <sub>6</sub> H <sub>4</sub> ClF	1-Chloro-3-fluorobenzene	298.2	4.96				
C <sub>6</sub> H <sub>4</sub> ClF	1-Chloro-4-fluorobenzene	298.2	3.34				
C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	1-Chloro-2-nitrobenzene	323.2	37.7	0.16800E+03	-0.59708E+00	0.59957E-03	323-436
C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	1-Chloro-3-nitrobenzene	323.2	20.9	0.77193E+02	-0.25118E+00	0.23798E-03	323-433
C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	1-Chloro-4-nitrobenzene	393.2	8.09				
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>o</i> -Dichlorobenzene	293.2	10.12	0.13629E+02	0.10622E-02	-0.44444E-04	293-353
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>m</i> -Dichlorobenzene	293.2	5.02	0.77565E+01	-0.93333E-02	-0.26880E-14	293-353
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>p</i> -Dichlorobenzene	328.2	2.3943	0.26999E+01	-0.35325E-03	-0.17619E-05	328-363
C <sub>6</sub> H <sub>4</sub> FI	1-Fluoro-2-iodobenzene	298.2	8.22				
C <sub>6</sub> H <sub>4</sub> FI	1-Fluoro-4-iodobenzene	298.2	3.12				
C <sub>6</sub> H <sub>4</sub> F <sub>2</sub>	<i>o</i> -Difluorobenzene	301.2	13.38	0.59107E+02	-0.23611E+00	0.27987E-03	273-323
C <sub>6</sub> H <sub>4</sub> F <sub>2</sub>	<i>m</i> -Difluorobenzene	301.2	5.01	0.14448E+02	-0.46982E-01	0.51948E-04	273-323
C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	<i>o</i> -Diiodobenzene	323.2	5.41	0.31150E+02	-0.14428E+00	0.20000E-03	323-353
C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	<i>m</i> -Diiodobenzene	323.2	4.11				
C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	<i>p</i> -Diiodobenzene	393.2	2.88				
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub>	2-Pyridinecarbonitrile	303.2	93.77	0.45596E+03	-0.17746E+01	0.19105E-02	303-398
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub>	3-Pyridinecarbonitrile	323.2	20.54	0.60484E+02	-0.17280E+00	0.15218E-03	323-398
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub>	4-Pyridinecarbonitrile	353.2	5.23	0.12533E+02	-0.30115E-01	0.26674E-04	353-398
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	1,3-Dinitrobenzene	365.2	22.9	0.10406E+03	-0.34133E+00	0.32609E-03	365-413
C <sub>6</sub> H <sub>5</sub> Br	Bromobenzene	293.2	5.45	0.94100E+01	-0.12537E-01	-0.31127E-05	234-333
C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	293.2	5.6895	0.19471E+02	-0.70786E-01	0.82466E-04	293-430
C <sub>6</sub> H <sub>5</sub> ClO	<i>o</i> -Chlorophenol	296.2	7.40	0.29755E+02	-0.11256E+00	0.12390E-03	296-448
C <sub>6</sub> H <sub>5</sub> ClO	<i>m</i> -Chlorophenol	293.2	6.255				
C <sub>6</sub> H <sub>5</sub> ClO	<i>p</i> -Chlorophenol	314.2	11.18	0.31997E+02	-0.94241E-01	0.88392E-04	314-453
C <sub>6</sub> H <sub>5</sub> ClO <sub>2</sub> S	Benzenesulfonyl chloride	323.2	28.90	0.83886E+02	-0.23405E+00	0.19713E-03	323-473
C <sub>6</sub> H <sub>5</sub> ClS	4-Chlorobenzenethiol	338.2	3.59				
C <sub>6</sub> H <sub>5</sub> F	Fluorobenzene	293.2	5.465				
C <sub>6</sub> H <sub>5</sub> I	Iodobenzene	293.2	4.59	0.89442E+01	-0.20008E-01	0.17641E-04	243-323
C <sub>6</sub> H <sub>5</sub> NOS	<i>N</i> -Sulfinylaniline	298.2	6.97				
C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	Nitrobenzene	293.0	35.6	0.11212E+03	-0.35211E+00	0.31128E-03	279-533
C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>	<i>o</i> -Nitrophenol	323.2	16.50	0.33827E+02	-0.62123E-01	0.26774E-04	323-453
C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>	<i>m</i> -Nitrophenol	373.2	35.45	0.18967E+03	-0.66144E+00	0.66532E-03	373-458
C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>	<i>p</i> -Nitrophenol	393.2	42.20	0.22901E+03	-0.74264E+00	0.68006E-03	393-463
C <sub>6</sub> H <sub>6</sub>	Benzene	293.2	2.2825	0.26706E+01	-0.91648E-03	-0.14257E-05	293-513
C <sub>6</sub> H <sub>6</sub> BrN	<i>m</i> -Bromoaniline	293.2	13.0				
C <sub>6</sub> H <sub>6</sub> ClN	<i>o</i> -Chloroaniline	293.2	13.40				
C <sub>6</sub> H <sub>6</sub> ClN	<i>m</i> -Chloroaniline	293.2	13.3				
C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	<i>o</i> -Nitroaniline	353.0	47.3	0.18900E+03	-0.56977E+00	0.47484E-03	353-468

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	<i>m</i> -Nitroaniline	398.0	35.6	0.20352E+03	-0.66582E+00	0.61310E-03	398-468
C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	<i>p</i> -Nitroaniline	428.0	78.5	0.48673E+03	-0.15040E+01	0.12857E-02	428-468
C <sub>6</sub> H <sub>6</sub> O	Phenol	303.2	12.40	0.63391E+02	-0.24988E+00	0.26930E-03	303-433
C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Pyrocatechol	388.2	17.57	0.74930E+02	-0.22142E+00	0.18919E-03	388-463
C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Resorcinol	393.2	13.55	0.30252E+02	-0.56443E-01	0.35578E-04	393-463
C <sub>6</sub> H <sub>6</sub> S	Benzenethiol	303.2	4.26	0.57155E+01	-0.70336E-02	0.73617E-05	303-358
C <sub>6</sub> H <sub>7</sub> N	Aniline	293.2	7.06	0.89534E+01	0.38990E-02	-0.36310E-04	293-413
C <sub>6</sub> H <sub>7</sub> N	2-Methylpyridine	293.2	10.18	0.34560E+02	-0.11980E+00	0.12500E-03	293-333
C <sub>6</sub> H <sub>7</sub> N	3-Methylpyridine	303.0	11.10	0.19643E+02	-0.11167E+01	0.16667E-02	303-333
C <sub>6</sub> H <sub>7</sub> N	4-Methylpyridine	293.0	12.2	0.33765E+02	-0.10113E+00	0.93860E-04	274-333
C <sub>6</sub> H <sub>7</sub> NO	2-Methylpyridine-1-oxide	323.2	36.4	0.11705E+03	-0.35301E+00	0.32000E-03	323-398
C <sub>6</sub> H <sub>7</sub> NO	3-Methylpyridine-1-oxide	318.2	28.26	0.59851E+02	-0.12682E+00	0.86622E-04	318-398
C <sub>6</sub> H <sub>8</sub>	1,3-Cyclohexadiene	184.2	2.68				
C <sub>6</sub> H <sub>8</sub>	1,4-Cyclohexadiene	296.0	2.211	0.27459E+01	-0.16975E-02	-0.36461E-06	232-356
C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	Phenylhydrazine	293.2	7.15				
C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	2,5-Dimethylpyrazine	293.2	2.436				
C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	2,6-Dimethylpyrazine	308.2	2.653				
C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	1,4-Cyclohexanedione	351.2	4.40				
C <sub>6</sub> H <sub>9</sub> Cl <sub>3</sub> O <sub>2</sub>	Butyl trichloroacetate	293.2	7.480				
C <sub>6</sub> H <sub>9</sub> Cl <sub>3</sub> O <sub>2</sub>	Isobutyl trichloroacetate	293.2	7.667				
C <sub>6</sub> H <sub>9</sub> N	Cyclopentanecarbonitrile	293.2	22.68	0.69830E+02	-0.25303E+00	0.31491E-03	201-293
C <sub>6</sub> H <sub>10</sub>	1,5-Hexadiene	294.0	2.125	0.30014E+01	-0.28668E-02	-0.31026E-06	151-294
C <sub>6</sub> H <sub>10</sub>	<i>cis,cis</i> -2,4-Hexadiene	297.0	2.163	0.27284E+01	-0.17178E-02	-0.62926E-06	234-351
C <sub>6</sub> H <sub>10</sub>	<i>trans,trans</i> -2,4-Hexadiene	297.0	2.123	0.26774E+01	-0.16977E-02	-0.55637E-06	232-353
C <sub>6</sub> H <sub>10</sub>	2-Methyl-1,3-pentadiene*	298.2	2.422				
C <sub>6</sub> H <sub>10</sub>	3-Methyl-1,3-pentadiene	298.2	2.426				
C <sub>6</sub> H <sub>10</sub>	4-Methyl-1,3-pentadiene	293.2	2.599	0.51328E+01	-0.12774E-01	0.14215E-04	198-323
C <sub>6</sub> H <sub>10</sub>	2,3-Dimethyl-1,3-butadiene	293.2	2.102	0.26258E+01	-0.17990E-02	0.12035E-06	223-323
C <sub>6</sub> H <sub>10</sub>	1-Hexyne	296.0	2.621	0.58591E+01	-0.17099E-01	0.20856E-04	184-296
C <sub>6</sub> H <sub>10</sub>	Cyclohexene	293.2	2.2176	0.30598E+01	-0.39841E-02	0.37554E-05	141-313
C <sub>6</sub> H <sub>10</sub> O	Butoxyacetylene	298.2	6.62				
C <sub>6</sub> H <sub>10</sub> O	Cyclohexanone	293.0	16.1	0.41577E+02	-0.11463E+00	0.92454E-04	253-423
C <sub>6</sub> H <sub>10</sub> O	Mesityl oxide	273.2	15.6				
C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl 2-butenolate	293.2	5.4				
C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl methacrylate	303.2	5.68	0.40962E+02	-0.20520E+00	0.29286E-03	303-343
C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	Ethyl acetoacetate	293.2	14.0				
C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	Propanoic anhydride	293.2	18.30				
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Monomethyl glutarate	293.2	8.37	0.16779E+02	-0.39839E-01	0.38095E-04	293-363
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Diethyl oxalate	293.2	8.266	0.21938E+02	-0.66226E-01	0.66800E-04	293-368
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Dimethyl succinate	293.2	7.19	0.13551E+02	-0.23109E-01	0.55440E-05	293-433
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Ethylene glycol diacetate	290.2	7.7	0.25093E+02	-0.95171E-01	0.12224E-03	223-290
C <sub>6</sub> H <sub>11</sub> Br	Bromocyclohexane	303.2	8.0026				
C <sub>6</sub> H <sub>11</sub> BrO <sub>2</sub>	Ethyl 2-bromobutanoate	303.2	8.57	0.49005E+02	-0.23193E+00	0.32500E-03	303-333
C <sub>6</sub> H <sub>11</sub> BrO <sub>2</sub>	Ethyl 2-bromo-2-methylpropanoate	303.2	8.55	0.77044E+02	-0.40784E+00	0.60000E-03	303-333
C <sub>6</sub> H <sub>11</sub> Cl	Chlorocyclohexane	303.2	7.9505				
C <sub>6</sub> H <sub>11</sub> N	Hexanenitrile	298.2	17.26				
C <sub>6</sub> H <sub>11</sub> N	4-Methylpentanenitrile	295.2	17.5				
C <sub>6</sub> H <sub>11</sub> NO	Cyclohexanone oxime	362.2	3.04				
C <sub>6</sub> H <sub>12</sub>	1-Hexene	294.0	2.077	0.31476E+01	-0.50003E-02	0.46673E-05	149-294
C <sub>6</sub> H <sub>12</sub>	<i>trans</i> -2-Hexene	295.0	1.978	0.24338E+01	-0.11323E-02	-0.13720E-05	157-295
C <sub>6</sub> H <sub>12</sub>	<i>cis</i> -3-Hexene	296.0	2.069	0.30691E+01	-0.45458E-02	0.39898E-05	155-296
C <sub>6</sub> H <sub>12</sub>	<i>trans</i> -3-Hexene	293.2	1.954				
C <sub>6</sub> H <sub>12</sub>	Cyclohexane	293.2	2.0243	0.24293E+01	-0.12095E-02	-0.58741E-06	283-333
C <sub>6</sub> H <sub>12</sub>	Methylcyclopentane	293.2	1.9853	0.21587E+01	-0.22450E-03	-0.12500E-05	293-323
C <sub>6</sub> H <sub>12</sub>	Ethylcyclobutane	293.2	1.965				
C <sub>6</sub> H <sub>12</sub> Br <sub>2</sub>	1,6-Dibromohexane	298.2	8.52	-0.55185E+01	0.11746E+00	-0.23658E-03	274-328
C <sub>6</sub> H <sub>12</sub> Br <sub>2</sub>	3,4-Dibromohexane	298.2	6.732				
C <sub>6</sub> H <sub>12</sub> Cl <sub>2</sub>	1,6-Dichlorohexane	308.2	8.60	0.11277E+02	0.67200E-02	-0.50000E-04	308-338
C <sub>6</sub> H <sub>12</sub> O	1-Methylcyclopentanol	310.1	7.11	0.75444E+02	-0.36617E+00	0.47021E-03	310-333
C <sub>6</sub> H <sub>12</sub> O	Isobutyl vinyl ether	293.2	3.34	0.48060E+01	-0.50000E-02	-0.41495E-14	293-323
C <sub>6</sub> H <sub>12</sub> O	2-Hexanone	293.2	14.56	0.70378E+02	-0.29385E+00	0.35289E-03	243-293
C <sub>6</sub> H <sub>12</sub> O	4-Methyl-2-pentanone	293.2	13.11	0.36341E+02	-0.97119E-01	0.61896E-04	204-373
C <sub>6</sub> H <sub>12</sub> O	3,3-Dimethyl-2-butanone	293.2	12.73	0.66857E+02	-0.28552E+00	0.34422E-03	243-293

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>6</sub> H <sub>12</sub> O	Cyclohexanol	293.2	16.40	0.10173E+03	-0.43072E+00	0.47926E-03	293-423
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Hexanoic acid	298.2	2.600	0.21730E+01	0.14840E-02	-0.16526E-06	298-433
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	2-Ethylbutanoic acid	296.2	2.72				
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	<i>tert</i> -Butylacetic acid	296.2	2.85				
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Pentyl formate	292.2	5.7				
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Isopentyl formate	288.2	5.44	0.29257E+02	-0.14028E+00	0.20000E-03	288-323
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl acetate	293.2	5.07	0.13825E+02	-0.43994E-01	0.48214E-04	253-353
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	<i>sec</i> -Butyl acetate	293.2	5.135	0.12427E+02	-0.32035E-01	0.24286E-04	273-323
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	<i>tert</i> -Butyl acetate	293.2	5.672	0.55435E+02	-0.30494E+00	0.46107E-03	273-323
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Isobutyl acetate	293.2	5.068	0.14323E+02	-0.46048E-01	0.49286E-04	273-323
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Propyl propanoate	293.2	5.249				
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl butanoate	301.2	5.18	0.48698E+02	-0.25660E+00	0.37237E-03	301-343
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Methyl pentanoate	293.2	4.992				
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Diacetone alcohol	298.2	18.2				
C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	Ethylene glycol monoethyl ether acetate	303.2	7.567	0.23290E+02	-0.71566E-01	0.65000E-04	303-323
C <sub>6</sub> H <sub>12</sub> S	Cyclohexanethiol	298.2	5.420				
C <sub>6</sub> H <sub>13</sub> Br	1-Bromohexane	298.2	5.82	0.15233E+02	-0.44385E-01	0.43039E-04	274-328
C <sub>6</sub> H <sub>13</sub> Cl	1-Chlorohexane	293.2	6.104	0.15994E+02	-0.43647E-01	0.33393E-04	273-323
C <sub>6</sub> H <sub>13</sub> ClO	6-Chloro-1-hexanol	242.2	21.6	-0.73364E+01	0.46377E+00	-0.14202E-02	195-242
C <sub>6</sub> H <sub>13</sub> I	1-Iodohexane	293.3	5.35	0.16685E+02	-0.61309E-01	0.77262E-04	293-323
C <sub>6</sub> H <sub>13</sub> N	Cyclohexylamine	293.2	4.547				
C <sub>6</sub> H <sub>13</sub> NO	<i>N</i> -Propylpropanamide	298.2	118.1	0.58846E+03	-0.22012E+01	0.20870E-02	298-328
C <sub>6</sub> H <sub>13</sub> NO	<i>N</i> -Butylacetamide	293.2	104.0	0.70739E+03	-0.37369E+01	0.71585E-02	253-493
C <sub>6</sub> H <sub>13</sub> NO	<i>N,N</i> -Diethylacetamide	293.2	32.1				
C <sub>6</sub> H <sub>14</sub>	Hexane	293.2	1.8865	0.19768E+01	0.70933E-03	-0.34470E-05	293-473
C <sub>6</sub> H <sub>14</sub>	2-Methylpentane	293.2	1.886	0.20745E+01	0.50871E-03	-0.39286E-05	273-323
C <sub>6</sub> H <sub>14</sub>	3-Methylpentane	293.2	1.886	0.24739E+01	-0.23190E-02	0.10714E-05	273-323
C <sub>6</sub> H <sub>14</sub>	2,2-Dimethylbutane	293.2	1.869	0.22740E+01	-0.96229E-03	-0.14286E-05	273-313
C <sub>6</sub> H <sub>14</sub>	2,3-Dimethylbutane	293.2	1.889	0.24305E+01	-0.20081E-02	0.53571E-06	273-323
C <sub>6</sub> H <sub>14</sub> O	1-Hexanol	293.2	13.03	0.62744E+02	-0.24214E+00	0.24704E-03	233-513
C <sub>6</sub> H <sub>14</sub> O	2-Hexanol	298.2	11.06				
C <sub>6</sub> H <sub>14</sub> O	3-Hexanol	298.2	9.66				
C <sub>6</sub> H <sub>14</sub> O	3-Methyl-1-pentanol	298.2	15.2				
C <sub>6</sub> H <sub>14</sub> O	3-Methyl-3-pentanol	293.2	4.322				
C <sub>6</sub> H <sub>14</sub> O	2-Ethyl-1-butanol	362.2	6.19				
C <sub>6</sub> H <sub>14</sub> O	2,2-Dimethyl-1-butanol	293.2	10.5	0.14054E+03	-0.72925E+00	0.97821E-03	243-393
C <sub>6</sub> H <sub>14</sub> O	Dipropyl ether	297.0	3.38	0.14600E+02	-0.72670E-01	0.11742E-03	161-297
C <sub>6</sub> H <sub>14</sub> O	Diisopropyl ether	303.2	3.805				
C <sub>6</sub> H <sub>14</sub> OS	Dipropyl sulfoxide	303.2	30.37	0.84868E+02	-0.23486E+00	0.18198E-03	303-373
C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	2-Methyl-2,4-pentanediol	293.2	25.86	0.14531E+03	-0.65285E+00	0.83503E-03	203-333
C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	Ethylene glycol diethyl ether	293.2	3.90	0.99099E+01	-0.33403E-01	0.44048E-04	223-303
C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> S	Dipropyl sulfone	303.2	32.62	0.70195E+02	-0.15008E+00	0.86506E-04	303-398
C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	1,2,6-Hexanetriol	285.3	31.5	0.26127E+03	-0.14552E+01	0.22765E-02	261-285
C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	Diethylene glycol dimethyl ether	298.2	7.23	0.28291E+02	-0.11236E+00	0.14000E-03	298-333
C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	Triethylene glycol	293.2	23.69	0.91845E+02	-0.33827E+00	0.36062E-03	253-333
C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	<i>D</i> -Glucitol	353.2	35.5				
C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	<i>D</i> -Mannitol	443.2	24.6				
C <sub>6</sub> H <sub>14</sub> S	1-Hexanethiol	293.2	4.436	0.11774E+02	-0.37298E-01	0.41875E-04	273-333
C <sub>6</sub> H <sub>15</sub> B	Triethylborane	293.2	1.974				
C <sub>6</sub> H <sub>15</sub> N	Hexylamine	293.2	4.08	0.80244E+01	-0.16627E-01	0.10874E-04	253-373
C <sub>6</sub> H <sub>15</sub> N	Dipropylamine	293.2	2.923	0.11376E+02	-0.49796E-01	0.71792E-04	243-323
C <sub>6</sub> H <sub>15</sub> N	Triethylamine	293.2	2.418	0.29205E+01	-0.14007E-02	-0.13469E-05	233-323
C <sub>6</sub> H <sub>15</sub> OP	Triethylphosphine oxide	323.2	35.5				
C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> P	Triethyl phosphate	298.2	13.20	0.61230E+02	-0.26047E+00	0.33333E-03	298-333
C <sub>6</sub> H <sub>15</sub> PS	Triethylphosphine sulfide	371.2	39.0				
C <sub>6</sub> H <sub>16</sub> O <sub>2</sub> Si	Diethoxydimethylsilane	298.2	3.216				
C <sub>6</sub> H <sub>16</sub> Si	Triethylsilane	293.2	2.323				
C <sub>6</sub> H <sub>18</sub> N <sub>3</sub> OP	Hexamethylphosphoric triamide	293.2	31.3	0.95666E+02	-0.29769E+00	0.26407E-03	283-363
C <sub>6</sub> H <sub>18</sub> N <sub>4</sub>	<i>N,N'</i> -Bis(2-aminoethyl)-1,2-ethanediamine	293.2	10.76	0.50699E+02	-0.21730E+00	0.27582E-03	213-333
C <sub>6</sub> H <sub>18</sub> OSi <sub>2</sub>	Hexamethyldisiloxane	293.2	2.179	0.34537E+01	-0.61530E-02	0.61544E-05	213-313
C <sub>6</sub> H <sub>18</sub> O <sub>3</sub> Si <sub>3</sub>	Hexamethylcyclotrisiloxane	343.2	2.139				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>6</sub> H <sub>19</sub> NSi <sub>2</sub>	Hexamethyldisilazane	294.2	2.273	0.23358E+01	0.16127E-02	-0.62078E-05	294-333
C <sub>7</sub> F <sub>14</sub>	Perfluoromethylcyclohexane	298.2	1.82				
C <sub>7</sub> F <sub>16</sub>	Perfluoroheptane	289.2	1.847				
C <sub>7</sub> H <sub>3</sub> Cl <sub>5</sub>	2,3,4,5,6-Pentachlorotoluene	293.2	4.8				
C <sub>7</sub> H <sub>4</sub> CINO	4-Chlorophenyl isocyanate	288.2	3.177	0.40896E+01	-0.31667E-02		288-348
C <sub>7</sub> H <sub>5</sub> BrO	Benzoyl bromide	293.2	21.33	0.84231E+02	-0.31089E+00	0.32857E-03	283-313
C <sub>7</sub> H <sub>5</sub> ClO	Benzoyl chloride	293.2	23.0				
C <sub>7</sub> H <sub>5</sub> FO	Benzoyl fluoride	293.2	22.7				
C <sub>7</sub> H <sub>3</sub> F <sub>3</sub>	(Trifluoromethyl)benzene	298.2	9.22				
C <sub>7</sub> H <sub>5</sub> N	Benzonitrile	293.2	25.9	0.57605E+02	-0.13354E+00	0.87767E-04	273-453
C <sub>7</sub> H <sub>5</sub> NO	Phenyl isocyanate	293.2	8.940	0.17541E+02	-0.29790E-01	0.15476E-05	293-353
C <sub>7</sub> H <sub>6</sub> CINO <sub>2</sub>	4-Chloro-3-nitrotoluene	301.2	28.07				
C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub>	2,4-Dichlorotoluene	301.2	5.68				
C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub>	2,6-Dichlorotoluene	301.2	3.36				
C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub>	3,4-Dichlorotoluene	301.2	9.39				
C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub>	(Dichloromethyl)benzene	293.2	6.9				
C <sub>7</sub> H <sub>6</sub> O	Benzaldehyde	293.2	17.85	0.35046E+02	-0.61271E-01	0.16222E-04	301-346
C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	Salicylaldehyde	293.2	18.35	0.51315E+02	-0.15379E+00	0.14111E-03	289-453
C <sub>7</sub> H <sub>7</sub> Br	<i>o</i> -Bromotoluene	293.2	4.641	0.10229E+02	-0.25050E-01	0.20357E-04	273-323
C <sub>7</sub> H <sub>7</sub> Br	<i>m</i> -Bromotoluene	293.2	5.566	0.11522E+02	-0.24946E-01	0.15714E-04	273-323
C <sub>7</sub> H <sub>7</sub> Br	<i>p</i> -Bromotoluene	293.2	5.503	0.10014E+02	-0.13918E-01	-0.50000E-05	273-293
C <sub>7</sub> H <sub>7</sub> Br	(Bromomethyl)benzene	293.2	6.658	0.18482E+02	-0.57207E-01	0.57321E-04	273-323
C <sub>7</sub> H <sub>7</sub> BrO	<i>o</i> -Bromoanisole	303.2	8.96	0.12023E+02	-0.59116E-02	-0.13787E-04	303-358
C <sub>7</sub> H <sub>7</sub> BrO	<i>p</i> -Bromoanisole	303.2	7.40	0.74367E+01	0.12648E-01	-0.42128E-04	303-358
C <sub>7</sub> H <sub>7</sub> Cl	<i>o</i> -Chlorotoluene	293.2	4.721	0.11507E+02	-0.31148E-01	0.27143E-04	273-323
C <sub>7</sub> H <sub>7</sub> Cl	<i>m</i> -Chlorotoluene	293.2	5.763	0.13921E+02	-0.37186E-01	0.31786E-04	273-323
C <sub>7</sub> H <sub>7</sub> Cl	<i>p</i> -Chlorotoluene	293.2	6.25	0.20265E+01	0.40060E-01	-0.87500E-04	293-333
C <sub>7</sub> H <sub>7</sub> Cl	(Chloromethyl)benzene	293.2	6.854	0.17108E+02	-0.45285E-01	0.35000E-04	273-323
C <sub>7</sub> H <sub>7</sub> ClO	<i>p</i> -Chloroanisole	293.2	7.84	0.64019E+01	0.30560E-01	-0.87500E-04	293-333
C <sub>7</sub> H <sub>7</sub> ClO <sub>2</sub> S	<i>p</i> -Toluenesulfonyl chloride	343.2	22.6				
C <sub>7</sub> H <sub>7</sub> ClO <sub>3</sub> S	4-Methoxybenzenesulfonyl chloride	314.2	27.2				
C <sub>7</sub> H <sub>7</sub> F	<i>o</i> -Fluorotoluene	298.2	4.23				
C <sub>7</sub> H <sub>7</sub> F	<i>m</i> -Fluorotoluene	298.2	5.41				
C <sub>7</sub> H <sub>7</sub> F	<i>p</i> -Fluorotoluene	298.2	5.88				
C <sub>7</sub> H <sub>7</sub> I	<i>p</i> -Iodotoluene	308.2	4.4				
C <sub>7</sub> H <sub>7</sub> N	2-Vinylpyridine	293.2	9.126				
C <sub>7</sub> H <sub>7</sub> N	4-Vinylpyridine	293.2	10.50				
C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	Benzyl nitrite	298.2	7.78				
C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	<i>o</i> -Nitrotoluene	293.0	26.26	0.10420E+03	-0.41726E+00	0.51607E-03	273-323
C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	<i>m</i> -Nitrotoluene	303.2	24.95	0.62492E+02	-0.16235E+00	0.12844E-03	303-403
C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	<i>p</i> -Nitrotoluene	331.2	22.2				
C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub> S	4-Nitrothioanisole	346.0	21.7				
C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	2-Nitroanisole	293.2	45.75	0.16684E+03	-0.58196E+00	0.57382E-03	293-423
C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	3-Nitroanisole	318.2	25.7	0.65402E+02	-0.16460E+00	0.12560E-03	318-443
C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	4-Nitroanisole	338.2	26.95	0.59811E+02	-0.10955E+00	0.36042E-04	338-443
C <sub>7</sub> H <sub>8</sub>	Toluene	296.35	2.379	0.32584E+01	-0.34410E-02	0.15937E-05	207-316
C <sub>7</sub> H <sub>8</sub> O	<i>o</i> -Cresol	298.2	6.76	0.21633E+02	-0.71069E-01	0.70590E-04	298-453
C <sub>7</sub> H <sub>8</sub> O	<i>m</i> -Cresol	298.2	12.44	0.81716E+02	-0.35039E+00	0.39878E-03	274-463
C <sub>7</sub> H <sub>8</sub> O	<i>p</i> -Cresol	298.2	13.05	0.70253E+02	-0.28870E+00	0.31979E-03	298-453
C <sub>7</sub> H <sub>8</sub> O	Benzyl alcohol	303.2	11.916	0.13661E+03	-0.72127E+00	0.10225E-02	303-333
C <sub>7</sub> H <sub>8</sub> O	Anisole	294.2	4.30	0.10887E+02	-0.32372E-01	0.33629E-04	294-413
C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	2-Methoxyphenol	298.2	11.95	0.31751E+02	-0.88173E-01	0.72953E-04	291-448
C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	3-Methoxyphenol	298.2	11.59	0.37279E+02	-0.12113E+00	0.11698E-03	298-433
C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	4-Methoxyphenol	333.7	11.05	0.39483E+02	-0.12142E+00	0.10841E-03	334-453
C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> S	Ethyl thiophene-2-carboxylate	293.2	6.18				
C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> S	Methyl phenyl sulfone	373.2	37.9				
C <sub>7</sub> H <sub>8</sub> S	Benzenemethanethiol	298.2	4.705	0.16628E+02	-0.68276E-01	0.94636E-04	298-358
C <sub>7</sub> H <sub>8</sub> S	4-Methylbenzenethiol	323.2	4.74	0.87052E+01	-0.15347E-01	0.95238E-05	323-358
C <sub>7</sub> H <sub>8</sub> S	(Methylthio)benzene	303.2	4.88	0.21841E+02	-0.97630E-01	0.13750E-03	303-343
C <sub>7</sub> H <sub>9</sub> N	Benzylamine	293.2	5.18				
C <sub>7</sub> H <sub>9</sub> N	<i>o</i> -Methylaniline	298.2	6.138	0.10988E+02	-0.18976E-01	0.91958E-05	298-398
C <sub>7</sub> H <sub>9</sub> N	<i>m</i> -Methylaniline	298.2	5.816	0.13477E+02	-0.35551E-01	0.33135E-04	298-398
C <sub>7</sub> H <sub>9</sub> N	<i>p</i> -Methylaniline	333.2	5.058	0.78897E+01	-0.10196E-01	0.51190E-05	333-403

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>7</sub> H <sub>9</sub> N	<i>N</i> -Methylaniline	293.2	5.96				
C <sub>7</sub> H <sub>9</sub> N	2-Ethylpyridine	293.2	8.33	0.36397E+02	-0.15070E+00	0.18750E-03	293-333
C <sub>7</sub> H <sub>9</sub> N	4-Ethylpyridine	293.2	10.98	-0.73831E+01	0.14326E+00	-0.27500E-03	293-333
C <sub>7</sub> H <sub>9</sub> N	2,4-Dimethylpyridine	293.2	9.60	0.25895E+02	-0.73900E-01	0.62500E-04	293-333
C <sub>7</sub> H <sub>9</sub> N	2,6-Dimethylpyridine	293.2	7.33	0.17714E+02	-0.39080E-01	0.12500E-04	293-333
C <sub>7</sub> H <sub>9</sub> NO	2,6-Dimethylpyridine-1-oxide	298.2	46.11	0.22765E+03	-0.90760E+00	0.10011E-02	298-398
C <sub>7</sub> H <sub>9</sub> NO	<i>o</i> -Methoxyaniline	303.2	5.230	0.79911E+01	-0.92183E-02	0.37879E-06	303-393
C <sub>7</sub> H <sub>9</sub> NO	<i>m</i> -Methoxyaniline	298.2	8.76	0.28179E+02	-0.97840E-01	0.11027E-03	289-393
C <sub>7</sub> H <sub>9</sub> NO	<i>p</i> -Methoxyaniline	333.2	7.85	0.30149E+02	-0.10523E+00	0.11467E-03	333-453
C <sub>7</sub> H <sub>10</sub> N <sub>2</sub>	1-Methyl-1-phenylhydrazine	292.2	7.3				
C <sub>7</sub> H <sub>11</sub> Cl <sub>3</sub> O <sub>2</sub>	Isopentyl trichloroacetate	293.2	7.287				
C <sub>7</sub> H <sub>12</sub>	1,6-Heptadiene	293.0	2.161	0.30815E+01	-0.36095E-02	0.16354E-05	184-293
C <sub>7</sub> H <sub>12</sub>	Cycloheptene	295.0	2.265	0.32309E+01	-0.42373E-02	0.32572E-05	227-363
C <sub>7</sub> H <sub>12</sub> O	Cycloheptanone	298.2	13.16	0.17511E+03	-0.11221E+01	0.19417E-02	258-298
C <sub>7</sub> H <sub>12</sub> O	2-Methylcyclohexanone	293.2	14.0				
C <sub>7</sub> H <sub>12</sub> O	3-Methylcyclohexanone	293.2	12.4				
C <sub>7</sub> H <sub>12</sub> O	4-Methylcyclohexanone	293.2	12.35				
C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	Cyclohexanecarboxylic acid	304.2	2.67				
C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	Cyclohexyl formate	293.2	6.47				
C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	Butyl acrylate	301.2	5.25	0.38296E+02	-0.19109E+00	0.27006E-03	301-343
C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	Monomethyl adipate	293.2	6.69	0.11962E+02	-0.23973E-01	0.20608E-04	293-433
C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl malonate	304.2	7.550	0.14809E+02	-0.31207E-01	0.24066E-04	304-393
C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	Dimethyl glutarate	293.2	7.87	0.20697E+02	-0.57794E-01	0.48405E-04	293-433
C <sub>7</sub> H <sub>12</sub> O <sub>5</sub>	1,2,3-Propanetriol-1,3-diacetate	288.2	9.80	0.28321E+02	-0.89073E-01	0.86891E-04	258-374
C <sub>7</sub> H <sub>14</sub>	1-Heptene	293.2	2.092	0.21755E+01	0.13896E-02	-0.57049E-05	273-323
C <sub>7</sub> H <sub>14</sub>	2-Methyl-2-hexene	293.2	2.962				
C <sub>7</sub> H <sub>14</sub>	3-Ethyl-2-pentene	293.2	2.051				
C <sub>7</sub> H <sub>14</sub>	Cycloheptane	293.2	2.0784	0.25136E+01	-0.15089E-02	0.84915E-07	278-333
C <sub>7</sub> H <sub>14</sub>	Methylcyclohexane	293.2	2.024				
C <sub>7</sub> H <sub>14</sub> Br <sub>2</sub>	1,2-Dibromoheptane	298.2	3.77				
C <sub>7</sub> H <sub>14</sub> Br <sub>2</sub>	2,3-Dibromoheptane	298.2	5.08				
C <sub>7</sub> H <sub>14</sub> Br <sub>2</sub>	3,4-Dibromoheptane	298.2	4.70				
C <sub>7</sub> H <sub>14</sub> Cl <sub>2</sub>	1,7-Dichloroheptane	298.2	8.34				
C <sub>7</sub> H <sub>14</sub> O	1-Heptanal	295.2	9.07				
C <sub>7</sub> H <sub>14</sub> O	2-Heptanone	293.2	11.95	0.38348E+02	-0.12531E+00	0.12005E-03	253-413
C <sub>7</sub> H <sub>14</sub> O	3-Heptanone	293.2	12.7				
C <sub>7</sub> H <sub>14</sub> O	4-Heptanone	293.2	12.60	0.41520E+02	-0.13839E+00	0.13497E-03	253-393
C <sub>7</sub> H <sub>14</sub> O	5-Methyl-2-hexanone	293.2	13.53	0.52353E+02	-0.17695E+00	0.15195E-03	293-333
C <sub>7</sub> H <sub>14</sub> O	Cyclohexanemethanol	333.2	9.70	0.10164E+03	-0.45839E+00	0.54762E-03	333-368
C <sub>7</sub> H <sub>14</sub> O	2-Methylcyclohexanol*	293.2	9.375	0.17315E+03	-0.98794E+00	0.14634E-02	273-323
C <sub>7</sub> H <sub>14</sub> O	3-Methylcyclohexanol*	293.2	13.79	0.65896E+02	-0.21954E+00	0.14107E-03	273-323
C <sub>7</sub> H <sub>14</sub> O	4-Methylcyclohexanol*	293.2	13.45	0.65021E+02	-0.22896E+00	0.17946E-03	273-323
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Heptanoic acid	288.2	3.04	0.36423E+01	-0.31996E-02	0.39362E-05	288-423
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl acetate	293.2	4.79	0.12091E+02	-0.36536E-01	0.39732E-04	253-353
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Isopentyl acetate	293.2	4.72				
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Butyl propanoate	293.2	4.838				
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Propyl butanoate	293.2	4.3				
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Ethyl pentanoate	291.2	4.71				
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Ethyl 3-methylbutanoate	293.2	4.71				
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Methyl hexanoate	293.2	4.615				
C <sub>7</sub> H <sub>15</sub> Br	1-Bromoheptane	303.2	5.255	0.15289E+02	-0.50621E-01	0.57753E-04	203-343
C <sub>7</sub> H <sub>15</sub> Br	2-Bromoheptane	295.2	6.46				
C <sub>7</sub> H <sub>15</sub> Br	4-Bromoheptane	295.2	6.81				
C <sub>7</sub> H <sub>15</sub> Cl	1-Chloroheptane	293.2	5.521	0.14279E+02	-0.39431E-01	0.32321E-04	273-323
C <sub>7</sub> H <sub>15</sub> Cl	2-Chloroheptane	295.2	6.52				
C <sub>7</sub> H <sub>15</sub> Cl	3-Chloroheptane	295.2	6.70				
C <sub>7</sub> H <sub>15</sub> Cl	4-Chloroheptane	295.2	6.54				
C <sub>7</sub> H <sub>15</sub> I	1-Iodoheptane	298.2	4.92	0.11856E+02	-0.33493E-01	0.34368E-04	294-323
C <sub>7</sub> H <sub>15</sub> I	3-Iodoheptane	295.2	6.39				
C <sub>7</sub> H <sub>16</sub>	Heptane	293.2	1.9209	0.24740E+01	-0.22577E-02	0.12428E-05	273-373
C <sub>7</sub> H <sub>16</sub>	2-Methylhexane	293.2	1.9221	0.24759E+01	-0.22535E-02	0.12500E-05	293-323
C <sub>7</sub> H <sub>16</sub>	3-Methylhexane	293.2	1.920	0.27089E+01	-0.37908E-02	0.37500E-05	273-323
C <sub>7</sub> H <sub>16</sub>	3-Ethylpentane	293.2	1.942	0.23771E+01	-0.15140E-02	0.10093E-06	163-363

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>7</sub> H <sub>16</sub>	2,2-Dimethylpentane	293.2	1.915	0.23414E+01	-0.14362E-02	-0.51322E-07	153-353
C <sub>7</sub> H <sub>16</sub>	2,3-Dimethylpentane	293.2	1.929	0.25637E+01	-0.26328E-02	0.16071E-05	273-323
C <sub>7</sub> H <sub>16</sub>	2,4-Dimethylpentane	293.2	1.902	0.23979E+01	-0.17436E-02	0.17857E-06	273-323
C <sub>7</sub> H <sub>16</sub>	3,3-Dimethylpentane	291.3	1.9419	0.24007E+01	-0.16802E-02	0.36069E-06	291-322
C <sub>7</sub> H <sub>16</sub>	2,2,3-Trimethylbutane	293.2	1.930				
C <sub>7</sub> H <sub>16</sub> O	1-Heptanol	293.2	11.75	0.60662E+02	-0.24049E+00	0.25155E-03	239-513
C <sub>7</sub> H <sub>16</sub> O	2-Heptanol	293.7	9.72	0.10050E+03	-0.49793E+00	0.64504E-03	207-365
C <sub>7</sub> H <sub>16</sub> O	3-Heptanol	296.1	7.07	0.19586E+03	-0.11465E+01	0.17175E-02	248-349
C <sub>7</sub> H <sub>16</sub> O	4-Heptanol	296.2	6.18	0.28995E+03	-0.18499E+01	0.30109E-02	270-301
C <sub>7</sub> H <sub>16</sub> O	2-Methyl-2-hexanol	297.0	3.257				
C <sub>7</sub> H <sub>16</sub> O	3-Methyl-2-hexanol	297.2	4.990	0.59724E+02	-0.32417E+00	0.47058E-03	244-372
C <sub>7</sub> H <sub>16</sub> O	3-Methyl-3-hexanol	298.2	3.248				
C <sub>7</sub> H <sub>16</sub> O	3-Ethyl-3-pentanol	293.2	3.158				
C <sub>7</sub> H <sub>16</sub> O	2,2-Dimethyl-1-pentanol	293.2	6.020	0.37318E+02	-0.17095E+00	0.22022E-03	283-393
C <sub>7</sub> H <sub>16</sub> O	Ethyl pentyl ether	296.2	3.6				
C <sub>7</sub> H <sub>16</sub> O	Ethyl isopentyl ether	293.2	3.955	0.66541E+01	-0.55450E-02	-0.12500E-04	293-323
C <sub>7</sub> H <sub>16</sub> O <sub>3</sub>	Triethoxymethane	293.2	4.779				
C <sub>7</sub> H <sub>16</sub> S	1-Heptanethiol	293.2	4.194	0.71333E+01	-0.97320E-02	-0.12500E-05	273-333
C <sub>7</sub> H <sub>17</sub> N	Heptylamine	293.2	3.81	0.87794E+01	-0.24363E-01	0.25325E-04	253-373
C <sub>7</sub> H <sub>18</sub> O <sub>3</sub> Si	Triethoxymethylsilane	298.2	3.845				
C <sub>8</sub> H <sub>4</sub> F <sub>6</sub>	1,3-Bis(trifluoromethyl)benzene	303.2	5.98				
C <sub>8</sub> H <sub>6</sub>	Phenylacetylene	298.2	2.98				
C <sub>8</sub> H <sub>6</sub> Cl <sub>2</sub>	2,5-Dichlorostyrene	298.2	2.58				
C <sub>8</sub> H <sub>6</sub> Cl <sub>4</sub>	1,2,3,4-Tetrachloro-5,6-dimethylbenzene	293.2	8.0				
C <sub>8</sub> H <sub>6</sub> Cl <sub>4</sub>	1,2,3,5-Tetrachloro-4,6-dimethylbenzene	293.2	5.4				
C <sub>8</sub> H <sub>6</sub> O	Phenoxyacetylene	298.2	4.76				
C <sub>8</sub> H <sub>7</sub> N	Benzeneacetonitrile	299.2	17.87	0.82175E+02	-0.37416E+00	0.53220E-03	299-343
C <sub>8</sub> H <sub>7</sub> NO <sub>2</sub>	4-Methoxyphenyl isocyanate	333.2	10.26	0.20780E+02	-0.31571E-01		333-403
C <sub>8</sub> H <sub>7</sub> NO <sub>4</sub>	Methyl 2-nitrobenzoate	300.1	27.76				
C <sub>8</sub> H <sub>8</sub>	Styrene	293.2	2.4737	0.44473E+01	-0.11422E-01	0.16000E-04	293-313
C <sub>8</sub> H <sub>8</sub> O	Acetophenone	298.2	17.44	0.26099E+02	0.64048E-02	-0.11905E-03	298-333
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Benzeneacetic acid	353.2	3.47	0.24104E+01	0.30000E-02		353-393
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Benzyl formate	303.2	6.34	0.26162E+02	-0.11026E+00	0.14787E-03	303-358
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Phenyl acetate	298.2	5.403	0.11327E+02	-0.26707E-01	0.22938E-04	298-404
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Methyl benzoate	302.7	6.642	0.17486E+02	-0.51027E-01	0.50222E-04	303-393
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	(Hydroxyacetyl)benzene	298.2	21.33	0.42286E+02	-0.69215E-01	-0.35714E-05	298-368
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	4-Methoxybenzaldehyde	303.2	22.0				
C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl salicylate	314.4	8.80	0.20501E+02	-0.39045E-01	0.68298E-05	223-398
C <sub>8</sub> H <sub>9</sub> Br	1-Bromo-2-ethylbenzene	298.2	5.55				
C <sub>8</sub> H <sub>9</sub> Br	1-Bromo-3-ethylbenzene	298.2	5.56				
C <sub>8</sub> H <sub>9</sub> Br	1-Bromo-4-ethylbenzene	298.2	5.42				
C <sub>8</sub> H <sub>9</sub> BrO	1-Bromo-2-ethoxybenzene	313.2	7.04	0.23146E+02	-0.75753E-01	0.77778E-04	313-358
C <sub>8</sub> H <sub>9</sub> Cl	1-Chloro-2-ethylbenzene	298.2	4.36				
C <sub>8</sub> H <sub>9</sub> Cl	1-Chloro-3-ethylbenzene	298.2	5.18				
C <sub>8</sub> H <sub>9</sub> Cl	1-Chloro-4-ethylbenzene	298.2	5.16				
C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>	1-Ethyl-2-nitrobenzene	273.4	21.9				
C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>	Methyl 2-aminobenzoate	298.2	21.9				
C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>	Ethyl 4-pyridinecarboxylate	293.2	8.95				
C <sub>8</sub> H <sub>10</sub>	Ethylbenzene	293.2	2.4463	0.35969E+01	-0.53169E-02	0.47500E-05	293-323
C <sub>8</sub> H <sub>10</sub>	<i>o</i> -Xylene	293.2	2.562	0.36163E+01	-0.40177E-02	0.14286E-05	273-323
C <sub>8</sub> H <sub>10</sub>	<i>m</i> -Xylene	293.2	2.359	0.28421E+01	-0.10191E-02	-0.21429E-05	273-323
C <sub>8</sub> H <sub>10</sub>	<i>p</i> -Xylene	293.2	2.2735	0.23140E+01	0.97221E-03	-0.37500E-05	293-363
C <sub>8</sub> H <sub>10</sub> O	2,3-Xylenol	343.2	4.81	0.14399E+02	-0.41438E-01	0.39244E-04	343-433
C <sub>8</sub> H <sub>10</sub> O	2,4-Xylenol	303.2	5.060	0.22125E+02	-0.85543E-01	0.96548E-04	303-363
C <sub>8</sub> H <sub>10</sub> O	2,5-Xylenol	338.2	5.36	0.18049E+02	-0.54991E-01	0.51656E-04	338-455
C <sub>8</sub> H <sub>10</sub> O	2,6-Xylenol	313.2	4.90	0.12284E+02	-0.32996E-01	0.29867E-04	313-453
C <sub>8</sub> H <sub>10</sub> O	3,4-Xylenol	333.2	9.02	0.54423E+02	-0.21153E+00	0.22508E-03	333-453
C <sub>8</sub> H <sub>10</sub> O	3,5-Xylenol	323.2	9.06	0.54251E+02	-0.21647E+00	0.23542E-03	323-453
C <sub>8</sub> H <sub>10</sub> O	Benzeneethanol	293.2	12.31	0.12170E+03	-0.63124E+00	0.87776E-03	278-333
C <sub>8</sub> H <sub>10</sub> O	1-Phenylethanol	293.2	8.77	0.32971E+02	-0.12042E+00	0.12809E-03	293-423
C <sub>8</sub> H <sub>10</sub> O	Phenetole	293.2	4.216	-0.15043E+02	0.13752E+00	-0.24500E-03	293-313

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>8</sub> H <sub>10</sub> O	2-Methylanisole	293.2	3.502	0.50825E+01	-0.62297E-02	0.28571E-05	293-333
C <sub>8</sub> H <sub>10</sub> O	3-Methylanisole	293.2	3.967	0.12830E+02	-0.49701E-01	0.66429E-04	293-333
C <sub>8</sub> H <sub>10</sub> O	4-Methylanisole	293.2	3.914	0.86608E+01	-0.23510E-01	0.25000E-04	293-333
C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	1,2-Dimethoxybenzene	293.2	4.45	0.74604E+01	-0.13445E-01	0.10737E-04	293-443
C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	1,3-Dimethoxybenzene	298.2	5.363	0.11911E+02	-0.30804E-01	0.29643E-04	298-358
C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	1,4-Dimethoxybenzene	333.7	5.60	0.11289E+02	-0.20765E-01	0.11987E-04	334-463
C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> S	Ethyl phenyl sulfone	348.2	39.0				
C <sub>8</sub> H <sub>10</sub> S	(Ethylthio)benzene	298.2	4.95				
C <sub>8</sub> H <sub>11</sub> N	<i>p</i> -Ethylaniline	298.2	4.84				
C <sub>8</sub> H <sub>11</sub> N	<i>N</i> -Ethylaniline	293.2	5.87				
C <sub>8</sub> H <sub>11</sub> N	<i>N,N</i> -Dimethylaniline	298.2	4.90	0.84052E+01	-0.13549E-01	0.62835E-05	289-453
C <sub>8</sub> H <sub>11</sub> N	2,4,6-Trimethylpyridine	298.2	7.807	0.20990E+02	-0.57419E-01	0.44286E-04	298-358
C <sub>8</sub> H <sub>11</sub> NO	4-Ethoxyaniline	298.2	7.43				
C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	Hexamethylene diisocyanate	288.2	14.41	0.26715E+02	-0.42696E-01		288-403
C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl maleate	298.2	7.560	0.13953E+02	-0.21969E-01	0.17817E-05	298-343
C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl fumarate	296.2	6.56				
C <sub>8</sub> H <sub>14</sub>	1,7-Octadiene	293.0	2.186	0.28376E+01	-0.17442E-02	-0.16141E-05	214-293
C <sub>8</sub> H <sub>14</sub>	<i>cis</i> -Cyclooctene	296.0	2.306	0.31115E+01	-0.32058E-02	0.16713E-05	269-406
C <sub>8</sub> H <sub>14</sub>	1,2-Dimethylcyclohexene	296.0	2.144	0.26443E+01	-0.17973E-02	0.35815E-06	211-374
C <sub>8</sub> H <sub>14</sub>	1,3-Dimethylcyclohexene	296.0	2.182	0.29951E+01	-0.34615E-02	0.24026E-05	213-373
C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	Methyl cyclohexanecarboxylate	293.2	4.87				
C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	Cyclohexyl acetate	293.2	5.08				
C <sub>8</sub> H <sub>14</sub> O <sub>3</sub>	Butanoic anhydride	293.2	12.8				
C <sub>8</sub> H <sub>14</sub> O <sub>3</sub>	2-Methylpropanoic anhydride	292.2	13.6				
C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	Diisopropyl oxalate	293.2	6.403	0.10709E+02	-0.16328E-01	0.56000E-05	293-368
C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	Diethyl succinate	293.2	6.098	0.80213E+01	0.11810E-02	-0.26400E-04	293-343
C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	Dimethyl adipate	293.2	6.84	0.11739E+02	-0.17281E-01	0.11447E-05	293-433
C <sub>8</sub> H <sub>15</sub> N	Octanenitrile	293.2	13.90				
C <sub>8</sub> H <sub>16</sub>	1-Octene	293.2	2.113	0.24348E+01	0.34200E-03	-0.50000E-05	273-323
C <sub>8</sub> H <sub>16</sub>	<i>cis</i> -3-Octene	298.2	2.062				
C <sub>8</sub> H <sub>16</sub>	<i>trans</i> -3-Octene	298.2	2.002				
C <sub>8</sub> H <sub>16</sub>	<i>cis</i> -4-Octene	298.2	2.053				
C <sub>8</sub> H <sub>16</sub>	<i>trans</i> -4-Octene	298.2	2.004				
C <sub>8</sub> H <sub>16</sub>	3-Methyl-2-heptene*	293.2	2.436				
C <sub>8</sub> H <sub>16</sub>	2,5-Dimethyl-2-hexene	293.2	2.431				
C <sub>8</sub> H <sub>16</sub>	2,4,4-Trimethyl-1-pentene	298.2	2.0908				
C <sub>8</sub> H <sub>16</sub>	Cyclooctane	295.0	2.116	0.25036E+01	-0.12460E-02	-0.23175E-06	295-411
C <sub>8</sub> H <sub>16</sub> Br <sub>2</sub>	1,8-Dibromooctane	298.2	7.43	0.94117E+00	0.61520E-01	-0.13333E-03	298-328
C <sub>8</sub> H <sub>16</sub> Cl <sub>2</sub>	1,8-Dichlorooctane	298.2	7.64				
C <sub>8</sub> H <sub>16</sub> O	2-Octanone	293.2	9.51	-0.16219E+02	0.18799E+00	-0.34156E-03	293-333
C <sub>8</sub> H <sub>16</sub> O	3-Octanone	303.2	10.50				
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Octanoic acid	288.2	2.85	0.29391E+01	-0.38721E-03		288-423
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	2-Ethylhexanoic acid	296.2	2.64				
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Hexyl acetate	293.2	4.42				
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Pentyl propanoate	293.2	4.552				
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Isopentyl propanoate	273.2	5.21	0.17665E+02	-0.71718E-01	0.95635E-04	273-373
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Butyl butanoate	298.2	4.39	0.79684E+01	-0.12000E-01	0.15266E-13	298-318
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Propyl pentanoate	292.2	4.0				
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Ethyl hexanoate	293.2	4.45	0.11007E+02	-0.32800E-01	0.35714E-04	253-353
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Methyl heptanoate	293.2	4.355				
C <sub>8</sub> H <sub>16</sub> O <sub>3</sub>	Isopentyl lactate	273.2	11.2	0.48649E+02	-0.21253E+00	0.27619E-03	273-373
C <sub>8</sub> H <sub>17</sub> Br	1-Bromooctane	293.2	5.0957	0.12404E+02	-0.35050E-01	0.34542E-04	283-353
C <sub>8</sub> H <sub>17</sub> Br	2-Bromooctane	293.2	5.44				
C <sub>8</sub> H <sub>17</sub> Cl	1-Chlorooctane	298.2	5.05	0.11346E+02	-0.25120E-01	0.13450E-04	274-328
C <sub>8</sub> H <sub>17</sub> Cl	2-Chlorooctane	293.2	5.42				
C <sub>8</sub> H <sub>17</sub> F	1-Fluorooctane	293.2	3.89				
C <sub>8</sub> H <sub>17</sub> I	1-Iodooctane	293.2	4.67	0.12452E+02	-0.41229E-01	0.50108E-04	233-313
C <sub>8</sub> H <sub>17</sub> NO <sub>2</sub>	1-Nitrooctane	293.2	11.46				
C <sub>8</sub> H <sub>18</sub>	Octane	293.2	1.948	0.22590E+01	-0.84212E-03	-0.75758E-06	233-393
C <sub>8</sub> H <sub>18</sub>	2-Methylheptane	293.2	1.9519				
C <sub>8</sub> H <sub>18</sub>	3-Ethylhexane	293.2	1.9617				
C <sub>8</sub> H <sub>18</sub>	2,2-Dimethylhexane	293.2	1.9498				
C <sub>8</sub> H <sub>18</sub>	2,5-Dimethylhexane	293.95	1.9619	0.25821E+01	-0.26804E-02	0.19404E-05	294-324

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>8</sub> H <sub>18</sub>	3,3-Dimethylhexane	293.2	1.9645				
C <sub>8</sub> H <sub>18</sub>	3,4-Dimethylhexane	292.1	1.9814	0.26849E+01	-0.33712E-02	0.32949E-05	292-324
C <sub>8</sub> H <sub>18</sub>	3-Ethyl-3-methylpentane	291.49	1.9869	0.25983E+01	-0.28027E-02	0.24195E-05	292-324
C <sub>8</sub> H <sub>18</sub>	2,2,3-Trimethylpentane	293.2	1.960				
C <sub>8</sub> H <sub>18</sub>	2,2,4-Trimethylpentane	293.2	1.943	0.23677E+01	-0.14768E-02	0.94261E-07	173-373
C <sub>8</sub> H <sub>18</sub>	2,3,3-Trimethylpentane	293.2	1.9780				
C <sub>8</sub> H <sub>18</sub>	2,3,4-Trimethylpentane	293.2	1.9738				
C <sub>8</sub> H <sub>18</sub> O	1-Octanol	293.2	10.30	0.51647E+02	-0.20371E+00	0.21320E-03	258-513
C <sub>8</sub> H <sub>18</sub> O	2-Octanol	293.2	8.13	0.63760E+02	-0.27643E+00	0.31075E-03	213-513
C <sub>8</sub> H <sub>18</sub> O	3-Octanol	293.2	5.55	0.12505E+03	-0.70646E+00	0.10245E-02	223-383
C <sub>8</sub> H <sub>18</sub> O	4-Octanol	293.2	4.48	0.51049E+02	-0.26664E+00	0.37280E-03	243-403
C <sub>8</sub> H <sub>18</sub> O	2-Methyl-1-heptanol	293.1	5.16	0.61698E+02	-0.33647E+00	0.49066E-03	236-328
C <sub>8</sub> H <sub>18</sub> O	3-Methyl-1-heptanol	290.3	2.884	0.84687E+01	-0.33712E-01	0.49793E-04	241-316
C <sub>8</sub> H <sub>18</sub> O	4-Methyl-1-heptanol	290.6	4.63	0.48612E+02	-0.26773E+00	0.39972E-03	237-332
C <sub>8</sub> H <sub>18</sub> O	5-Methyl-1-heptanol	290.4	7.68	0.54581E+02	-0.24772E+00	0.29734E-03	235-328
C <sub>8</sub> H <sub>18</sub> O	6-Methyl-1-heptanol	290.3	10.54	0.57997E+02	-0.23517E+00	0.24663E-03	265-328
C <sub>8</sub> H <sub>18</sub> O	2-Methyl-2-heptanol	292.2	3.43				
C <sub>8</sub> H <sub>18</sub> O	3-Methyl-2-heptanol	289.6	7.47	0.39178E+02	-0.17976E+00	0.24218E-03	229-329
C <sub>8</sub> H <sub>18</sub> O	4-Methyl-2-heptanol	290.0	3.59	0.39715E+02	-0.23115E+00	0.36771E-03	240-333
C <sub>8</sub> H <sub>18</sub> O	5-Methyl-2-heptanol	278.5	7.5	0.68568E+02	-0.40706E+00	0.67433E-03	230-279
C <sub>8</sub> H <sub>18</sub> O	6-Methyl-2-heptanol	290.1	6.41	0.77520E+02	-0.41724E+00	0.59448E-03	239-329
C <sub>8</sub> H <sub>18</sub> O	2-Methyl-3-heptanol	293.2	3.260	-0.59739E+01	0.56700E-01	-0.83125E-04	343-403
C <sub>8</sub> H <sub>18</sub> O	3-Methyl-3-heptanol	293.2	3.013	-0.38440E+01	0.42327E-01	-0.61250E-04	343-403
C <sub>8</sub> H <sub>18</sub> O	4-Methyl-3-heptanol	293.2	3.312	-0.48003E+01	0.50740E-01	-0.75000E-04	343-403
C <sub>8</sub> H <sub>18</sub> O	5-Methyl-3-heptanol	293.2	3.832	0.61967E+01	-0.63750E-02		343-383
C <sub>8</sub> H <sub>18</sub> O	6-Methyl-3-heptanol	293.2	4.992	0.23037E+02	-0.98029E-01	0.12479E-03	283-383
C <sub>8</sub> H <sub>18</sub> O	2-Methyl-4-heptanol	296.3	3.338	0.42102E+00	0.10427E-01	-0.20438E-05	230-333
C <sub>8</sub> H <sub>18</sub> O	3-Methyl-4-heptanol	290.0	7.46	0.33354E+02	-0.14077E+00	0.17750E-03	230-330
C <sub>8</sub> H <sub>18</sub> O	4-Methyl-4-heptanol	296.2	2.902				
C <sub>8</sub> H <sub>18</sub> O	2-Ethyl-1-hexanol	298.2	7.58	0.86074E+02	-0.42636E+00	0.55078E-03	208-318
C <sub>8</sub> H <sub>18</sub> O	2,2-Dimethyl-1-hexanol	293.2	4.50	0.91244E+01	-0.21785E-01	0.21018E-04	283-393
C <sub>8</sub> H <sub>18</sub> O	Dibutyl ether	293.2	3.0830	0.65383E+01	-0.16172E-01	0.14969E-04	293-314
C <sub>8</sub> H <sub>18</sub> OS	Dibutyl sulfoxide	313.2	24.73	0.67156E+02	-0.16448E+00	0.92275E-04	313-393
C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	2-Ethyl-1,3-hexanediol	293.2	18.73	0.57919E+02	-0.17128E+00	0.12949E-03	233-333
C <sub>8</sub> H <sub>18</sub> O <sub>2</sub> S	Dibutyl sulfone	323.2	25.72	0.66248E+02	-0.16417E+00	0.12001E-03	323-398
C <sub>8</sub> H <sub>18</sub> O <sub>4</sub>	Triethylene glycol dimethyl ether	298.2	7.62				
C <sub>8</sub> H <sub>18</sub> O <sub>5</sub>	Tetraethylene glycol	293.2	20.44	0.83547E+02	-0.31691E+00	0.34689E-03	253-333
C <sub>8</sub> H <sub>18</sub> S	1-Octanethiol	293.2	3.949	0.63667E+01	-0.87920E-02	0.18750E-05	273-333
C <sub>8</sub> H <sub>18</sub> S	Dibutyl sulfide	298.2	4.29				
C <sub>8</sub> H <sub>19</sub> N	Octylamine	293.2	3.58	0.77931E+01	-0.20015E-01	0.19347E-04	273-373
C <sub>8</sub> H <sub>19</sub> N	Dibutylamine	293.2	2.765	0.52504E+01	-0.10538E-01	0.71485E-05	243-323
C <sub>8</sub> H <sub>20</sub> O <sub>4</sub> Si	Ethyl silicate	293.2	2.50				
C <sub>8</sub> H <sub>20</sub> Si	Tetraethylsilane	293.2	2.090				
C <sub>8</sub> H <sub>20</sub> Sn	Tetraethylstannane	293.2	2.241				
C <sub>8</sub> H <sub>23</sub> N <sub>5</sub>	Tetraethylenepentamine	293.2	9.40	0.40553E+02	-0.16681E+00	0.20659E-03	213-333
C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	Octamethylcyclotetrasiloxane	296.2	2.390	0.36286E+01	-0.56885E-02	0.50874E-05	296-333
C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	Toluene-2,4-diisocyanate	293.2	8.433	0.22174E+02	-0.66982E-01	0.68571E-04	293-353
C <sub>9</sub> H <sub>6</sub> O <sub>2</sub>	2 <i>H</i> -1-Benzopyran-2-one	343.2	34.04	0.11311E+03	-0.33804E+00	0.31324E-03	343-423
C <sub>9</sub> H <sub>7</sub> N	Quinoline	293.2	9.16	0.33432E+02	-0.13497E+00	0.17788E-03	258-323
C <sub>9</sub> H <sub>7</sub> N	Isoquinoline	298.2	11.0	0.14412E+03	-0.79935E+00	0.11839E-02	298-323
C <sub>9</sub> H <sub>8</sub> O	Cinnamaldehyde	305.8	17.72	0.41837E+02	-0.11060E+00	0.10401E-03	306-354
C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	2-(Acetyloxy)benzoic acid	333.2	6.55	0.69994E+01	-0.14553E-02		333-416
C <sub>9</sub> H <sub>10</sub>	1-Propenylbenzene	293.2	2.73				
C <sub>9</sub> H <sub>10</sub>	Allylbenzene	293.2	2.63				
C <sub>9</sub> H <sub>10</sub>	Isopropenylbenzene	293.2	2.28				
C <sub>9</sub> H <sub>10</sub> OS	4-Acetylthioanisole	355.2	11.34				
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl benzoate	293.2	6.20	0.18216E+02	-0.62361E-01	0.72884E-04	288-343
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Methyl 4-methylbenzoate	306.2	4.3				
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Benzyl acetate	303.2	5.34	0.11727E+02	-0.30869E-01	0.32340E-04	303-358
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Phenyl propanoate	293.2	4.77				
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	4-Acetylanisole	313.2	17.3				
C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Ethyl salicylate	308.2	8.48	0.18910E+02	-0.35623E-01	0.46529E-05	225-321
C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Methyl 2-methoxybenzoate	294.2	7.7				



Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>9</sub> H <sub>11</sub> Br	(3-Bromopropyl)benzene	302.2	5.41	0.11360E+02	-0.27471E-01	0.25775E-04	302-358
C <sub>9</sub> H <sub>11</sub> NO	<i>N</i> -Ethylbenzamide	352.7	42.6	-0.20109E+03	0.17866E+01	-0.31065E-02	353-389
C <sub>9</sub> H <sub>11</sub> NO	<i>N,N</i> -Dimethylbenzamide	318.2	20.77	0.76725E+02	-0.26908E+00	0.29409E-03	318-443
C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>	Ethyl 2-aminobenzoate	298.2	4.14				
C <sub>9</sub> H <sub>12</sub>	Propylbenzene	293.2	2.370	0.26933E+01	0.21679E-03	-0.44643E-05	273-323
C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	293.2	2.381	0.31149E+01	-0.30801E-02	0.19643E-05	273-323
C <sub>9</sub> H <sub>12</sub>	<i>o</i> -Ethyltoluene	293.2	2.595				
C <sub>9</sub> H <sub>12</sub>	<i>m</i> -Ethyltoluene	293.2	2.365				
C <sub>9</sub> H <sub>12</sub>	<i>p</i> -Ethyltoluene	293.2	2.265				
C <sub>9</sub> H <sub>12</sub>	1,2,3-Trimethylbenzene	293.2	2.656	0.76006E+01	-0.29118E-01	0.41786E-04	273-323
C <sub>9</sub> H <sub>12</sub>	1,2,4-Trimethylbenzene	293.2	2.377	0.31517E+01	-0.30634E-02	0.14286E-05	273-323
C <sub>9</sub> H <sub>12</sub>	1,3,5-Trimethylbenzene	293.2	2.279	0.38998E+01	-0.88072E-02	0.11149E-04	288-358
C <sub>9</sub> H <sub>12</sub> O	Benzenepropanol	293.2	11.97	0.94482E+02	-0.45540E+00	0.59307E-03	213-303
C <sub>9</sub> H <sub>12</sub> O	$\alpha$ -Ethylbenzenemethanol	293.2	6.68	0.44520E+02	-0.21505E+00	0.29443E-03	233-373
C <sub>9</sub> H <sub>12</sub> O	$\alpha,\alpha$ -Dimethylbenzenemethanol	303.2	5.61	0.57072E+01	0.86568E-02	-0.29580E-04	303-373
C <sub>9</sub> H <sub>12</sub> O	1-Phenyl-2-propanol	293.2	9.35	0.10762E+03	-0.56026E+00	0.76915E-03	233-373
C <sub>9</sub> H <sub>12</sub> O	Benzyl ethyl ether	298.2	3.90				
C <sub>9</sub> H <sub>12</sub> O	2,6-Dimethylanisole	293.2	3.780	0.76700E+01	-0.18298E-01	0.17143E-04	293-333
C <sub>9</sub> H <sub>12</sub> O	3,5-Dimethylanisole	293.2	3.711	0.54981E+01	-0.56651E-02	-0.14286E-05	293-333
C <sub>9</sub> H <sub>12</sub> O <sub>2</sub> S	Butyl thiophene-2-carboxylate	293.2	6.40				
C <sub>9</sub> H <sub>12</sub> S	Benzenepropanethiol	303.2	4.36	0.82411E+01	-0.15034E-01	0.73617E-05	303-358
C <sub>9</sub> H <sub>13</sub> N	Benzylethylamine	293.2	4.3				
C <sub>9</sub> H <sub>13</sub> N	<i>N</i> -Propylaniline	293.2	5.48				
C <sub>9</sub> H <sub>13</sub> N	2-Methyl- <i>N,N</i> -dimethylaniline	293.2	3.4				
C <sub>9</sub> H <sub>13</sub> N	4-Methyl- <i>N,N</i> -dimethylaniline	293.2	3.9				
C <sub>9</sub> H <sub>14</sub> OSi	Trimethylphenoxysilane	298.2	3.3953				
C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>	Triacetin	293.6	7.11	0.17819E+02	-0.53656E-01	0.57759E-04	219-304
C <sub>9</sub> H <sub>14</sub> Si	Trimethylphenylsilane	298.2	2.3533	0.21463E+01	0.32711E-02	-0.86264E-05	288-323
C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	2-Nonenoic acid	296.2	2.5				
C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Cyclohexyl propanoate	293.2	4.82				
C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Ethyl cyclohexanecarboxylate	293.2	4.64				
C <sub>9</sub> H <sub>16</sub> O <sub>4</sub>	Diethyl glutarate	303.2	6.659				
C <sub>9</sub> H <sub>17</sub> N	Nonanenitrile	293.2	12.08				
C <sub>9</sub> H <sub>18</sub>	1-Nonene	293.2	2.180	0.22710E+01	0.15797E-02	-0.64286E-05	273-323
C <sub>9</sub> H <sub>18</sub> Br <sub>2</sub>	1,9-Dibromononane	293.2	7.153	0.18931E+02	-0.57764E-01	0.60000E-04	293-343
C <sub>9</sub> H <sub>18</sub> O	2-Nonanone	295.2	9.14				
C <sub>9</sub> H <sub>18</sub> O	5-Nonanone	293.2	10.6				
C <sub>9</sub> H <sub>18</sub> O	Di- <i>tert</i> -butyl ketone	287.65	10.0				
C <sub>9</sub> H <sub>18</sub> O	2,6-Dimethyl-4-heptanone	293.2	9.91	0.33178E+02	-0.11290E+00	0.11454E-03	273-393
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Nonanoic acid	294.9	2.475	0.25039E+01	0.67274E-03	-0.24180E-05	295-365
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	2-Methyloctanoic acid	293.2	2.39				
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	2-Ethylheptanoic acid	293.2	1.98				
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Heptyl acetate	293.2	4.2				
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Pentyl butanoate	301.2	4.08	0.59029E+01	-0.49905E-02	-0.34292E-05	301-343
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Isopentyl butanoate	293.2	4.0				
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Isobutyl pentanoate	292.2	3.8				
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Methyl octanoate	293.2	4.101				
C <sub>9</sub> H <sub>19</sub> Br	1-Bromononane	298.2	4.74	0.79870E+01	-0.10488E-01	-0.13450E-05	274-328
C <sub>9</sub> H <sub>19</sub> Cl	1-Chlorononane	293.2	4.803	0.95528E+01	-0.16200E-01	-0.16365E-13	293-323
C <sub>9</sub> H <sub>19</sub> NO	<i>N,N</i> -Dibutylformamide	293.2	18.4				
C <sub>9</sub> H <sub>20</sub>	Nonane	293.2	1.9722	0.23894E+01	-0.14830E-02	0.14881E-06	253-393
C <sub>9</sub> H <sub>20</sub>	2-Methyloctane	293.2	1.967				
C <sub>9</sub> H <sub>20</sub>	4-Methyloctane	293.2	1.967				
C <sub>9</sub> H <sub>20</sub>	2,4-Dimethylheptane	293.2	1.89				
C <sub>9</sub> H <sub>20</sub>	2,5-Dimethylheptane	293.2	1.89				
C <sub>9</sub> H <sub>20</sub>	2,6-Dimethylheptane	293.2	1.987				
C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O	Tetraethylurea	296.8	14.29	0.52820E+02	-0.18790E+00	0.19580E-03	205-411
C <sub>9</sub> H <sub>20</sub> O	1-Nonanol	293.2	8.83	0.97467E+02	-0.51103E+00	0.71429E-03	288-343
C <sub>9</sub> H <sub>20</sub> O	2-Nonanol	298.2	6.66	0.10136E+03	-0.55612E+00	0.80000E-03	288-308
C <sub>9</sub> H <sub>20</sub> O	3-Nonanol	298.2	4.49	0.55214E+02	-0.31920E+00	0.50000E-03	288-308
C <sub>9</sub> H <sub>20</sub> O	4-Nonanol	298.2	3.69	0.27954E+01	0.30000E-02	-0.52375E-13	288-308
C <sub>9</sub> H <sub>20</sub> O	5-Nonanol	298.2	3.54	-0.25463E+01	0.35320E-01	-0.50000E-04	288-308
C <sub>9</sub> H <sub>21</sub> B	Tripropylborane	293.2	2.026				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>9</sub> H <sub>21</sub> N	Nonylamine	293.2	3.42	0.53575E+01	-0.71982E-02	0.19481E-05	293-373
C <sub>9</sub> H <sub>21</sub> N	Tripropylamine	293.2	2.380	0.33380E+01	-0.86332E-02	0.18322E-04	243-293
C <sub>9</sub> H <sub>21</sub> O <sub>4</sub> P	Tripropyl phosphate	293.2	10.93	0.33166E+02	-0.10514E+00	0.10000E-03	293-373
C <sub>10</sub> H <sub>7</sub> Br	1-Bromonaphthalene	298.2	4.768	0.10561E+02	-0.27671E-01	0.27655E-04	293-323
C <sub>10</sub> H <sub>7</sub> Cl	1-Chloronaphthalene	298.2	5.04	0.84861E+01	-0.12357E-01	0.26899E-05	274-328
C <sub>10</sub> H <sub>7</sub> NO <sub>2</sub>	1-Nitronaphthalene	333.2	19.68	0.36267E+02	-0.41283E-01	-0.25595E-04	333-403
C <sub>10</sub> H <sub>8</sub>	Naphthalene	363.2	2.54				
C <sub>10</sub> H <sub>8</sub> O	1-Naphthol	373.0	5.03	0.16489E+02	-0.46700E-01	0.42857E-04	373-453
C <sub>10</sub> H <sub>8</sub> O	2-Naphthol	413.0	4.95	0.92865E+01	-0.10500E-01	0.42501E-15	413-453
C <sub>10</sub> H <sub>9</sub> N	1-Naphthylamine	333.2	5.20	0.10577E+02	-0.22114E-01	0.17857E-04	333-453
C <sub>10</sub> H <sub>9</sub> N	2-Naphthylamine	393.0	5.26	0.19722E+02	-0.60679E-01	0.60714E-04	393-473
C <sub>10</sub> H <sub>9</sub> N	2-Methylquinoline	293.2	7.24	0.11688E+02	-0.78400E-02	-0.25000E-04	293-333
C <sub>10</sub> H <sub>9</sub> N	4-Methylquinoline	293.2	9.31	0.17788E+02	-0.32580E-01	0.12500E-04	293-333
C <sub>10</sub> H <sub>9</sub> N	6-Methylquinoline	293.2	8.48	0.21696E+02	-0.63400E-01	0.62500E-04	293-333
C <sub>10</sub> H <sub>9</sub> N	8-Methylquinoline	293.2	6.58	0.19356E+02	-0.61900E-01	0.62500E-04	293-333
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Methyl 2-(acetyloxy)benzoate	328.9	5.31	0.19579E+02	-0.69970E-01	0.80889E-04	329-371
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethyl phthalate	293.2	8.66				
C <sub>10</sub> H <sub>12</sub>	1,2,3,4-Tetrahydronaphthalene	298.2	2.771	0.29172E+01	0.12832E-02	-0.59453E-05	298-343
C <sub>10</sub> H <sub>12</sub>	4-Ethylstyrene	298.2	3.350				
C <sub>10</sub> H <sub>12</sub>	Dicyclopentadiene	313.2	2.43	0.30564E+01	-0.20000E-02	0.82443E-15	313-373
C <sub>10</sub> H <sub>12</sub> O	Tetrahydro-2-naphthol*	293.2	11.70	0.98978E+02	-0.48267E+00	0.63008E-03	293-363
C <sub>10</sub> H <sub>12</sub> O	4-Isopropylbenzaldehyde	288.2	10.68				
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	4-Allyl-2-methoxyphenol	293.2	9.55	0.52377E+02	-0.24380E+00	0.33333E-03	273-323
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	2-Phenylethyl acetate	297.2	4.93				
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Benzyl propanoate	303.0	5.11	0.42301E+01	0.13962E-01	-0.36426E-04	303-358
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Phenyl butanoate	293.2	4.48				
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Propyl benzoate	303.2	5.78	0.10927E+02	-0.20535E-01	0.11745E-04	303-358
C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl phenylacetate	293.2	5.320				
C <sub>10</sub> H <sub>14</sub>	Butylbenzene	293.2	2.359				
C <sub>10</sub> H <sub>14</sub>	sec-Butylbenzene	293.2	2.357	0.28348E+01	-0.68586E-03	-0.32143E-05	273-323
C <sub>10</sub> H <sub>14</sub>	tert-Butylbenzene	293.2	2.359	0.27924E+01	-0.38350E-03	-0.37500E-05	273-323
C <sub>10</sub> H <sub>14</sub>	Isobutylbenzene	293.2	2.318	0.28055E+01	-0.92614E-03	-0.25000E-05	273-323
C <sub>10</sub> H <sub>14</sub>	1-Isopropyl-4-methylbenzene	298.2	2.2322	0.25266E+01	-0.25121E-03	-0.24867E-05	277-333
C <sub>10</sub> H <sub>14</sub>	o-Diethylbenzene	293.2	2.594				
C <sub>10</sub> H <sub>14</sub>	m-Diethylbenzene	293.2	2.369				
C <sub>10</sub> H <sub>14</sub>	p-Diethylbenzene	293.2	2.259				
C <sub>10</sub> H <sub>14</sub>	1-Ethyl-3,5-dimethylbenzene	293.2	2.275				
C <sub>10</sub> H <sub>14</sub>	1,2,3,4-Tetramethylbenzene	296.0	2.538	0.33822E+01	-0.33630E-02	0.17475E-05	273-412
C <sub>10</sub> H <sub>14</sub>	1,2,4,5-Tetramethylbenzene	356.0	2.223	0.26834E+01	-0.10327E-02	-0.73533E-06	356-430
C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	L-Nicotine	293.2	8.937	0.21347E+02	-0.57177E-01	0.50655E-04	293-363
C <sub>10</sub> H <sub>14</sub> O	1-Phenyl-2-methyl-2-propanol	298.2	5.71	0.21922E+02	-0.84231E-01	0.99475E-04	298-423
C <sub>10</sub> H <sub>14</sub> O	Butyl phenyl ether	293.2	3.734				
C <sub>10</sub> H <sub>14</sub> O	Thymol	333.2	4.259				
C <sub>10</sub> H <sub>15</sub> N	N,N-Diethylaniline	303.2	5.15	0.50773E+01	0.15399E-01	-0.50000E-04	303-328
C <sub>10</sub> H <sub>16</sub>	$\gamma$ -Terpinene	298.2	2.2738				
C <sub>10</sub> H <sub>16</sub>	d-Limonene	298.2	2.3746				
C <sub>10</sub> H <sub>16</sub>	l-Limonene	298.2	2.3738				
C <sub>10</sub> H <sub>16</sub>	Terpinolene	298.2	2.2918				
C <sub>10</sub> H <sub>16</sub>	$\alpha$ -Pinene	298.2	2.1787				
C <sub>10</sub> H <sub>16</sub>	$\beta$ -Pinene	298.2	2.4970				
C <sub>10</sub> H <sub>16</sub>	$\alpha$ -Terpinene	298.2	2.4526				
C <sub>10</sub> H <sub>16</sub>	$\beta$ -Myrcene	298.2	2.3				
C <sub>10</sub> H <sub>16</sub> O	Carvenone	293.2	18.8				
C <sub>10</sub> H <sub>16</sub> O	d-Fenchone	294.2	12.8				
C <sub>10</sub> H <sub>17</sub> Cl	2-Chlorobornane	368.2	5.21				
C <sub>10</sub> H <sub>18</sub>	Pinane	298.2	2.1456				
C <sub>10</sub> H <sub>18</sub>	cis-Decahydronaphthalene	293.2	2.219	0.25410E+01	-0.11420E-02	0.15092E-06	293-373
C <sub>10</sub> H <sub>18</sub>	trans-Decahydronaphthalene	293.2	2.184	0.26615E+01	-0.21241E-02	0.16864E-05	293-373
C <sub>10</sub> H <sub>18</sub> O	Eucalyptol	298.2	4.57				
C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	Cyclohexyl butanoate	293.2	4.58				
C <sub>10</sub> H <sub>18</sub> O <sub>4</sub>	Diethyl adipate	293.2	6.109	0.14824E+02	-0.40749E-01	0.37600E-04	293-343
C <sub>10</sub> H <sub>20</sub>	1-Decene	293.2	2.136	0.19091E+01	0.33442E-02	-0.87500E-05	273-323
C <sub>10</sub> H <sub>20</sub>	cis-5-Decene	298.2	2.071				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>10</sub> H <sub>20</sub>	<i>trans</i> -5-Decene	298.2	2.030				
C <sub>10</sub> H <sub>20</sub>	5-Methyl-4-nonene	293.2	2.175				
C <sub>10</sub> H <sub>20</sub>	2,4,6-Trimethyl-3-heptene	293.2	2.293				
C <sub>10</sub> H <sub>20</sub> Br <sub>2</sub>	1,10-Dibromodecane	303.2	6.56	0.17350E+02	-0.50328E-01	0.48633E-04	303-368
C <sub>10</sub> H <sub>20</sub> Cl <sub>2</sub>	1,10-Dichlorodecane	308.2	6.68	-0.57423E+01	0.94220E-01	-0.17500E-03	308-338
C <sub>10</sub> H <sub>20</sub> O	2-Decanone	287.2	8.3				
C <sub>10</sub> H <sub>20</sub> O	Menthol	309.3	3.90	0.68202E+01	-0.15894E-01	0.20837E-04	309-358
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	2,2-Dimethyloctanoic acid	296.2	2.8				
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Octyl acetate	288.2	4.18	-0.34691E+01	0.58106E-01	-0.10952E-03	288-323
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	2-Methylheptyl acetate	288.2	4.27	0.23285E+02	-0.11538E+00	0.17143E-03	288-323
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Pentyl pentanoate	305.6	4.076	0.77641E+01	-0.14335E-01	0.73740E-05	306-393
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Isopentyl pentanoate	292.2	3.6				
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Isopentyl isopentanoate	288.2	4.39	0.14698E+02	-0.57726E-01	0.76190E-04	288-323
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Methyl nonanoate	293.2	3.943				
C <sub>10</sub> H <sub>21</sub> Br	1-Bromodecane	298.2	4.44	0.11202E+02	-0.33491E-01	0.36314E-04	274-328
C <sub>10</sub> H <sub>21</sub> Cl	1-Chlorodecane	293.2	4.581	0.68741E+01	-0.12210E-02	-0.22500E-04	293-323
C <sub>10</sub> H <sub>21</sub> NO	<i>N,N</i> -Dibutylacetamide	293.2	19.1				
C <sub>10</sub> H <sub>22</sub>	Decane	293.2	1.9853	0.24054E+01	-0.15445E-02	0.44643E-06	253-393
C <sub>10</sub> H <sub>22</sub>	2,7-Dimethyloctane	293.2	1.98				
C <sub>10</sub> H <sub>22</sub>	4-Propylheptane	293.2	1.9955				
C <sub>10</sub> H <sub>22</sub> O	1-Decanol	293.2	7.93	0.47195E+02	-0.20740E+00	0.24942E-03	293-343
C <sub>10</sub> H <sub>22</sub> O	2-Decanol	298.2	5.82	0.13621E+03	-0.81000E+00	0.12500E-02	288-308
C <sub>10</sub> H <sub>22</sub> O	3-Decanol	298.2	4.05	0.52090E+02	-0.31020E+00	0.50000E-03	288-308
C <sub>10</sub> H <sub>22</sub> O	4-Decanol	298.2	3.42	-0.11260E+02	0.93960E-01	-0.15000E-03	288-308
C <sub>10</sub> H <sub>22</sub> O	5-Decanol	298.2	3.24	-0.25832E+01	0.31456E-01	-0.40000E-04	288-308
C <sub>10</sub> H <sub>22</sub> O	2,2-Dimethyl-1-octanol	293.2	7.86	0.69536E+02	-0.34596E+00	0.46250E-03	293-333
C <sub>10</sub> H <sub>22</sub> O	Dipentyl ether	298.2	2.798				
C <sub>10</sub> H <sub>22</sub> O	Diisopentyl ether	293.2	2.817	0.44690E+01	-0.63710E-02	0.25000E-05	293-323
C <sub>10</sub> H <sub>22</sub> OS	Dipentyl sulfoxide	348.2	18.8				
C <sub>10</sub> H <sub>22</sub> O <sub>5</sub>	Tetraethylene glycol dimethyl ether	298.2	7.68				
C <sub>10</sub> H <sub>22</sub> S	Dipentyl sulfide	298.2	3.826				
C <sub>10</sub> H <sub>25</sub> N	Decylamine	293.2	3.31	0.61497E+01	-0.12801E-01	0.10606E-04	293-373
C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>4</sub>	Decamethyltetrasiloxane	293.2	2.370				
C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>5</sub>	Decamethylcyclopentasiloxane	293.2	2.50				
C <sub>11</sub> H <sub>10</sub>	1-Methylnaphthalene	293.2	2.915	0.45126E+01	-0.76480E-02	0.75000E-05	293-333
C <sub>11</sub> H <sub>10</sub>	2-Methylnaphthalene	313.2	2.747				
C <sub>11</sub> H <sub>10</sub> O	1-Methoxynaphthalene	293.2	4.020	0.71885E+01	-0.14838E-01	0.13750E-04	293-333
C <sub>11</sub> H <sub>10</sub> O	2-Methoxynaphthalene	353.2	3.563	0.56702E+01	-0.69754E-02	0.28571E-05	353-373
C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl <i>trans</i> -cinnamate	293.2	5.63				
C <sub>11</sub> H <sub>12</sub> O <sub>3</sub>	Ethyl benzoylacetate	303.2	13.50	0.93644E+01	0.74280E-01	-0.20000E-03	303-323
C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	Benzyl butanoate	301.2	4.55				
C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	Phenyl pentanoate	293.2	4.30				
C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	Butyl benzoate	303.2	5.52	0.77854E+01	-0.34972E-02	-0.13149E-04	303-358
C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	Isobutyl benzoate	291.2	5.39				
C <sub>11</sub> H <sub>16</sub>	1,3-Diethyl-5-methylbenzene	293.2	2.264				
C <sub>11</sub> H <sub>16</sub>	Pentamethylbenzene	334.0	2.358	0.30196E+01	-0.22619E-02	0.83831E-06	334-413
C <sub>11</sub> H <sub>22</sub>	1-Undecene	293.2	2.137	0.22132E+01	0.13121E-02	-0.53571E-05	273-323
C <sub>11</sub> H <sub>22</sub> O	2-Undecanone	285.3	8.3				
C <sub>11</sub> H <sub>22</sub> O <sub>2</sub>	Nonyl acetate	293.2	3.87				
C <sub>11</sub> H <sub>22</sub> O <sub>2</sub>	Pentyl hexanoate	288.2	4.22	0.83503E+01	-0.18449E-01	0.14286E-04	288-323
C <sub>11</sub> H <sub>23</sub> Br	1-Bromoundecane	272.6	4.61				
C <sub>11</sub> H <sub>24</sub>	Undecane	293.2	1.9972	0.23637E+01	-0.12500E-02	-0.85869E-16	283-363
C <sub>11</sub> H <sub>24</sub> O	1-Undecanol	313.2	5.98				
C <sub>11</sub> H <sub>25</sub> N	Undecylamine	293.2	3.25	0.54945E+01	-0.96161E-02	0.66017E-05	293-373
C <sub>12</sub> F <sub>27</sub> N	Tris(perfluorobutyl)amine	293.2	2.15				
C <sub>12</sub> H <sub>8</sub> O	Dibenzofuran	373.2	3.00				
C <sub>12</sub> H <sub>10</sub>	Biphenyl	348.2	2.53	0.26869E+01	0.63072E-03	-0.30995E-05	348-428
C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O	<i>trans</i> -Azoxybenzene	311.2	5.2				
C <sub>12</sub> H <sub>10</sub> O	Diphenyl ether	283.2	3.726				
C <sub>12</sub> H <sub>10</sub> O	2-Acetonaphthone	333.2	13.03	0.14538E+03	-0.73040E+00	0.10000E-02	333-363
C <sub>12</sub> H <sub>10</sub> OS	Diphenyl sulfoxide	344.7	16.6				
C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> S	Diphenyl sulfone	406.2	21.1				
C <sub>12</sub> H <sub>10</sub> S	Diphenyl sulfide	298.2	5.43				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>12</sub> H <sub>11</sub> N	Diphenylamine	323.2	3.73				
C <sub>12</sub> H <sub>11</sub> NO	<i>N</i> -1-Naphthylacetamide	433.2	24.3	0.84739E+02	-0.12391E+00	-0.35714E-04	433-533
C <sub>12</sub> H <sub>12</sub>	1,6-Dimethylnaphthalene	293.2	2.7250				
C <sub>12</sub> H <sub>12</sub> O	1-Ethoxynaphthalene	292.2	3.3				
C <sub>12</sub> H <sub>14</sub> O <sub>2</sub>	Propyl cinnamate	293.2	5.45				
C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>	Diethyl phthalate	293.2	7.86				
C <sub>12</sub> H <sub>16</sub> O	2-Cyclohexylphenol	328.2	3.97				
C <sub>12</sub> H <sub>16</sub> O	4-Cyclohexylphenol	404.2	4.42				
C <sub>12</sub> H <sub>16</sub> O <sub>2</sub>	Pentyl benzoate	293.2	5.07				
C <sub>12</sub> H <sub>16</sub> O <sub>3</sub>	Pentyl salicylate	301.2	6.25				
C <sub>12</sub> H <sub>16</sub> O <sub>3</sub>	Isopentyl salicylate	293.12	7.26	0.13129E+02	-0.19190E-01	-0.36060E-05	225-397
C <sub>12</sub> H <sub>17</sub> NO	<i>N</i> -Butyl- <i>N</i> -phenylacetamide	298.2	11.66				
C <sub>12</sub> H <sub>18</sub>	Hexylbenzene	293.2	2.3				
C <sub>12</sub> H <sub>18</sub>	1,3,5-Triethylbenzene	293.2	2.256				
C <sub>12</sub> H <sub>18</sub>	Hexamethylbenzene	449.0	2.172	0.35710E+01	-0.46912E-02	0.35088E-05	449-489
C <sub>12</sub> H <sub>20</sub> O <sub>2</sub>	<i>l</i> -Bornyl acetate	303.2	4.46	0.60791E+01	0.98200E-02	-0.50000E-04	303-323
C <sub>12</sub> H <sub>22</sub> O	Dicyclohexyl ether	293.2	3.45	0.95324E+01	-0.31740E-01	0.37500E-04	293-333
C <sub>12</sub> H <sub>22</sub> O	Cyclododecanone	303.2	11.4	0.39327E+02	-0.13248E+00	0.13298E-03	303-423
C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>	Dibutyl tartrate	314.2	9.4				
C <sub>12</sub> H <sub>24</sub>	1-Dodecene	293.2	2.152	0.22581E+01	0.11106E-02	-0.50000E-05	273-323
C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	Decyl acetate	293.2	3.75				
C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	Ethyl decanoate	293.2	3.75	0.70969E+01	-0.15080E-01	0.12500E-04	293-353
C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	Methyl undecanoate	293.2	3.671				
C <sub>12</sub> H <sub>25</sub> Br	1-Bromododecane	298.2	4.07	0.86103E+01	-0.20891E-01	0.18994E-04	274-328
C <sub>12</sub> H <sub>25</sub> Cl	1-Chlorododecane	298.2	4.17	0.10002E+02	-0.27798E-01	0.27559E-04	274-328
C <sub>12</sub> H <sub>25</sub> I	1-Iodododecane	298.2	3.91	0.34641E+01	0.97404E-02	-0.27602E-04	293-323
C <sub>12</sub> H <sub>26</sub>	Dodecane	293.2	2.0120	0.23697E+01	-0.12200E-02	-0.36375E-16	283-363
C <sub>12</sub> H <sub>26</sub> O	1-Dodecanol	303.2	5.82	0.18518E+02	-0.44859E-01	0.99900E-05	303-358
C <sub>12</sub> H <sub>26</sub> O	2-Butyl-1-octanol	363.2	3.28				
C <sub>12</sub> H <sub>27</sub> BO <sub>3</sub>	Tributyl borate	293.2	2.23				
C <sub>12</sub> H <sub>27</sub> N	Dodecylamine	303.2	3.07	0.27999E+01	0.44810E-02	-0.11905E-04	303-373
C <sub>12</sub> H <sub>27</sub> N	Tributylamine	293.2	2.340	0.19846E+01	0.28108E-02	-0.54545E-05	233-293
C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl phosphate	293.2	8.34	0.26304E+02	-0.88480E-01	0.92857E-04	293-373
C <sub>12</sub> H <sub>28</sub> O <sub>4</sub> Si	Tetrapropoxysilane	298.2	3.21				
C <sub>12</sub> H <sub>28</sub> Sn	Tetrapropylstannane	293.2	2.267				
C <sub>12</sub> H <sub>30</sub> OSi <sub>2</sub>	Hexaethyldisiloxane	298.2	2.259	0.36559E+01	-0.72406E-02	0.85714E-05	298-333
C <sub>13</sub> H <sub>10</sub> O	Benzophenone	300.2	12.62	0.34130E+02	-0.10249E+00	0.10268E-03	300-420
C <sub>13</sub> H <sub>10</sub> O <sub>3</sub>	Phenyl salicylate	290.2	6.92	0.26545E+02	-0.11180E+00	0.15220E-03	290-358
C <sub>13</sub> H <sub>12</sub>	Diphenylmethane	303.2	2.540	0.30638E+01	-0.17286E-02		303-333
C <sub>13</sub> H <sub>12</sub> O	Benzyl phenyl ether	313.2	3.748				
C <sub>13</sub> H <sub>18</sub> O <sub>2</sub>	Hexyl benzoate	293.2	4.80				
C <sub>13</sub> H <sub>20</sub>	Heptylbenzene	293.2	2.26				
C <sub>13</sub> H <sub>20</sub> O	$\alpha$ -Ionone*	292.4	10.78				
C <sub>13</sub> H <sub>20</sub> O	$\beta$ -Ionone*	297.65	11.66				
C <sub>13</sub> H <sub>24</sub> O <sub>4</sub>	Diethyl nonanedioate	303.2	5.133				
C <sub>13</sub> H <sub>26</sub>	1-Tridecene	293.2	2.139	0.14154E+01	0.66514E-02	-0.14286E-04	273-323
C <sub>13</sub> H <sub>26</sub> O	7-Tridecanone	303.2	7.6				
C <sub>13</sub> H <sub>26</sub> O <sub>2</sub>	Ethyl undecanoate	293.2	3.55				
C <sub>13</sub> H <sub>26</sub> O <sub>2</sub>	Methyl dodecanoate	293.2	3.539				
C <sub>13</sub> H <sub>27</sub> Br	1-Bromotridecane	281.15	4.19				
C <sub>13</sub> H <sub>28</sub>	Tridecane	293.2	2.0213	0.23731E+01	-0.12000E-02	-0.21841E-15	283-363
C <sub>13</sub> H <sub>28</sub>	5-Butylnonane	293.2	2.0319				
C <sub>13</sub> H <sub>28</sub> O	1-Tridecanol	333.2	4.02				
C <sub>14</sub> H <sub>10</sub>	Anthracene	502.0	2.649	0.20571E+02	-0.69169E-01	0.66667E-04	502-516
C <sub>14</sub> H <sub>10</sub>	Phenanthrene	383.2	2.72				
C <sub>14</sub> H <sub>10</sub> O <sub>2</sub>	Benzil	368.2	13.04	-0.23599E+02	0.22715E+00	-0.34667E-03	368-393
C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	Benzyl benzoate	303.2	5.26	0.76856E+01	-0.80000E-02	-0.80361E-15	303-358
C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>	Benzyl salicylate	301.2	4.12				
C <sub>14</sub> H <sub>14</sub>	1,2-Diphenylethane	331.2	2.47	0.31178E+01	-0.21572E-02	0.59800E-06	331-451
C <sub>14</sub> H <sub>14</sub> O	Dibenzyl ether	293.2	3.821	0.80154E+01	-0.20536E-01	0.21250E-04	293-333
C <sub>14</sub> H <sub>15</sub> N	Dibenzylamine	293.2	3.446				
C <sub>14</sub> H <sub>16</sub> O <sub>2</sub> Si	Dimethyldiphenoxysilane	298.2	3.500	0.51669E+01	-0.77001E-02	0.70156E-05	283-353
C <sub>14</sub> H <sub>18</sub> O <sub>2</sub>	Pentyl cinnamate	293.2	4.89				

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>14</sub> H <sub>22</sub>	Octylbenzene	293.2	2.26				
C <sub>14</sub> H <sub>26</sub> O <sub>4</sub>	Diisobutyl adipate	293.2	5.19				
C <sub>14</sub> H <sub>26</sub> O <sub>4</sub>	Diethyl sebacate	303.2	4.995	0.39143E+02	-0.20965E+00	0.32000E-03	303-313
C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>	Dodecyl acetate	293.2	3.6				
C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>	Ethyl laurate	273.2	3.94				
C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>	Methyl tridecanoate	293.2	3.442				
C <sub>14</sub> H <sub>29</sub> Br	1-Bromotetradecane	293.2	3.84	0.10058E+02	-0.33905E-01	0.43528E-04	274-328
C <sub>14</sub> H <sub>30</sub>	Tetradecane	293.2	2.0343	0.23832E+01	-0.11900E-02	-0.51229E-16	283-363
C <sub>14</sub> H <sub>30</sub> O	1-Tetradecanol	318.2	4.42	0.12272E+02	-0.24667E-01	-0.13168E-13	318-358
C <sub>14</sub> H <sub>31</sub> N	Tetradecylamine	312.55	2.90				
C <sub>15</sub> H <sub>12</sub> O <sub>4</sub>	Phenyl 2-(acetyloxy)benzoate	384.2	4.33				
C <sub>15</sub> H <sub>26</sub> O <sub>6</sub>	Tributylin	282.8	5.72	0.13152E+02	-0.36684E-01	0.36795E-04	199-283
C <sub>15</sub> H <sub>30</sub> O <sub>2</sub>	Methyl tetradecanoate	293.2	3.352				
C <sub>15</sub> H <sub>31</sub> Br	1-Bromopentadecane	293.35	3.88				
C <sub>15</sub> H <sub>32</sub>	Pentadecane	293.2	2.0391	0.23792E+01	-0.11600E-02	-0.71069E-16	283-363
C <sub>15</sub> H <sub>32</sub> O	1-Pentadecanol	333.2	3.70				
C <sub>15</sub> H <sub>33</sub> N	Pentadecylamine	313.25	2.85				
C <sub>15</sub> H <sub>33</sub> N	Triisopentylamine	294.2	2.29				
C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl phthalate	293.2	6.58	0.12444E+02	-0.20000E-01		293-333
C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	Hexadecanoic acid	338.2	2.417				
C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	Ethyl myristate	293.2	3.50	0.52642E+01	-0.60000E-02	-0.47358E-15	293-353
C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	Methyl pentadecanoate	293.2	3.296				
C <sub>16</sub> H <sub>33</sub> Br	1-Bromohexadecane	298.2	3.68	0.58668E+01	-0.73333E-02	-0.52666E-14	298-328
C <sub>16</sub> H <sub>33</sub> I	1-Iodohexadecane	293.2	3.57	0.79531E+01	-0.22859E-01	0.26955E-04	293-323
C <sub>16</sub> H <sub>34</sub>	Hexadecane	293.2	2.0460	0.23861E+01	-0.11600E-02	0.25555E-15	293-363
C <sub>16</sub> H <sub>34</sub> O	1-Hexadecanol	333.2	3.69	0.85935E+01	-0.14714E-01	-0.45533E-13	333-363
C <sub>16</sub> H <sub>35</sub> N	Hexadecylamine	328.35	2.71				
C <sub>16</sub> H <sub>36</sub> Sn	Tetrabutylstannane	293.2	9.74	0.56115E+02	-0.24812E+00	0.30682E-03	293-313
C <sub>17</sub> H <sub>12</sub> O <sub>3</sub>	2-Naphthyl salicylate	293.0	6.30	0.11229E+02	-0.18857E-01	0.70332E-05	293-353
C <sub>17</sub> H <sub>34</sub> O	9-Heptadecanone	328.2	5.43	0.44176E+02	-0.21183E+00	0.28571E-03	328-363
C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>	Methyl palmitate	313.2	3.124				
C <sub>17</sub> H <sub>36</sub>	Heptadecane	293.2	2.0578	0.23627E+01	-0.10400E-02	-0.10397E-12	293-308
C <sub>17</sub> H <sub>36</sub> O	1-Heptadecanol	333.2	3.41				
C <sub>18</sub> H <sub>26</sub> O <sub>4</sub>	Dipentyl phthalate	293.2	6.00				
C <sub>18</sub> H <sub>28</sub> O <sub>2</sub>	Phenyl laurate	293.2	3.28				
C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>	Linolenic acid	293.2	2.825	0.33867E+01	-0.19181E-02		274-368
C <sub>18</sub> H <sub>30</sub> O <sub>4</sub>	Dicyclohexyl adipate	308.2	4.84				
C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	Linoleic acid	293.2	2.754	0.32073E+01	-0.15477E-02		275-368
C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	Oleic acid	293.2	2.336	0.25385E+01	-0.69448E-03		275-368
C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	Dibutyl sebacate	293.2	4.54				
C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	Stearic acid	293.2	2.314	0.27159E+01	-0.13300E-02		293-373
C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	Hexadecyl acetate	308.2	3.19	0.47310E+01	-0.50000E-02	0.41338E-14	308-348
C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	Ethyl palmitate	303.2	3.07	0.57938E+01	-0.12294E-01	0.10919E-04	303-455
C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	Methyl heptadecanoate	313.2	3.07				
C <sub>18</sub> H <sub>37</sub> Br	1-Bromooctadecane	303.35	3.53	0.46790E+01	-0.30355E-02	-0.24798E-05	303-332
C <sub>18</sub> H <sub>38</sub> O	1-Octadecanol	333.2	3.38	0.73784E+01	-0.12000E-01	-0.22871E-13	333-363
C <sub>18</sub> H <sub>39</sub> BO <sub>3</sub>	Trihexyl borate	293.2	2.22				
C <sub>18</sub> H <sub>39</sub> N	Octadecylamine	326.35	2.67				
C <sub>19</sub> H <sub>16</sub>	Triphenylmethane	367.2	2.46	0.40201E+01	-0.66507E-02	0.65329E-05	367-448
C <sub>19</sub> H <sub>18</sub> O <sub>3</sub> Si	Methyltriphenoxysilane	298.2	3.628				
C <sub>19</sub> H <sub>32</sub> O <sub>2</sub>	Methyl linolenate	293.2	3.355				
C <sub>19</sub> H <sub>34</sub> O <sub>2</sub>	Methyl linoleate	293.2	3.466				
C <sub>19</sub> H <sub>36</sub> O <sub>2</sub>	Methyl oleate	293.2	3.211				
C <sub>19</sub> H <sub>38</sub> O	10-Nonadecanone	353.2	5.37				
C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	Methyl stearate	313.2	3.021				
C <sub>19</sub> H <sub>40</sub>	Nonadecane	293.2	2.0706				
C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>	Dihexyl phthalate	293.2	5.62				
C <sub>20</sub> H <sub>38</sub> O <sub>2</sub>	Ethyl oleate	301.2	3.17	0.57033E+01	-0.11223E-01	0.93447E-05	301-423
C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	Octadecyl acetate	308.2	3.07	0.44569E+01	-0.45000E-02	0.33923E-14	308-348
C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	Ethyl stearate	313.2	2.958	0.70930E+01	-0.19081E-01	0.19555E-04	331-440
C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	Methyl nonadecanoate	313.2	2.982				
C <sub>20</sub> H <sub>42</sub> O	1-Eicosanol	338.2	3.13	0.21700E+01	0.12497E-01	-0.28571E-04	338-363
C <sub>20</sub> H <sub>42</sub> O	Didecyl ether	293.2	2.644	0.41465E+01	-0.62240E-02	0.37500E-05	293-333

Mol. form.	Name	T/K	$\epsilon_r$	<i>a</i>	<i>b</i>	<i>c</i>	Range/K
C <sub>20</sub> H <sub>60</sub> O <sub>8</sub> Si <sub>9</sub>	Eicosamethylnonasiloxane	293.2	2.645	0.57840E+01	-0.16568E-01	0.20000E-04	293-323
C <sub>21</sub> H <sub>21</sub> O <sub>4</sub> P	Tricresyl phosphate*	298.2	6.7				
C <sub>21</sub> H <sub>38</sub> O <sub>6</sub>	1,2,3-Propanetriyl hexanoate	293.2	4.476				
C <sub>22</sub> H <sub>42</sub> O <sub>2</sub>	Butyl oleate	298.2	4.00				
C <sub>22</sub> H <sub>44</sub> O <sub>2</sub>	Butyl stearate	298.2	3.120	0.73894E+02	-0.46261E+00	0.75500E-03	298-343
C <sub>22</sub> H <sub>46</sub>	Docosane	293.2	2.0840				
C <sub>22</sub> H <sub>46</sub> O	1-Docosanol	348.2	2.94	0.82062E+01	-0.25069E-01	0.28571E-04	348-373
C <sub>24</sub> H <sub>20</sub> O <sub>4</sub> Si	Tetraphenoxysilane	333.2	3.4915				
C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	Diocetyl phthalate	293.2	5.22				
C <sub>26</sub> H <sub>50</sub> O <sub>4</sub>	Diocetyl sebacate	299.2	4.01				
C <sub>27</sub> H <sub>50</sub> O <sub>6</sub>	1,2,3-Propanetriyl octanoate	293.2	3.931				
C <sub>30</sub> H <sub>58</sub> O <sub>4</sub>	Ethylene glycol ditetradecanoate	343.2	2.98				
C <sub>30</sub> H <sub>62</sub>	triacontane	373.2	1.9112				
C <sub>30</sub> H <sub>62</sub>	2,6,10,15,19,23-Hexamethyltetracosane	373.2	1.9106				
C <sub>34</sub> H <sub>66</sub> O <sub>4</sub>	Ethylene glycol dipalmitate	348.2	2.89				
C <sub>34</sub> H <sub>68</sub> O <sub>2</sub>	Hexadecyl stearate	333.2	2.61				
C <sub>38</sub> H <sub>74</sub> O <sub>4</sub>	Ethylene glycol distearate	353.2	2.79				
C <sub>39</sub> H <sub>74</sub> O <sub>6</sub>	Glycerol trilaurate	313.2	3.287				
C <sub>51</sub> H <sub>98</sub> O <sub>6</sub>	Glycerol tripalmitate	328.2	2.901	-0.29131E+01	0.32206E-01	-0.44154E-04	328-393
C <sub>57</sub> H <sub>104</sub> O <sub>6</sub>	Glycerol trioleate	293.2	3.109				
C <sub>57</sub> H <sub>104</sub> O <sub>6</sub>	Glycerol trielaidate	313.2	2.980				
C <sub>57</sub> H <sub>110</sub> O <sub>6</sub>	Glycerol tristearate	353.2	2.740				