

# VISCOSITY OF LIQUIDS

The absolute viscosity of some common liquids at temperatures between  $-25$  and  $100^{\circ}\text{C}$  is given in this table. Values were derived by fitting experimental data to suitable expressions for the temperature dependence. The substances are arranged by molecular formula in the modified Hill order (see Preface). All values are given in units of millipascal seconds (mPa s); this unit is identical to centipoise (cp).

Viscosity values correspond to a nominal pressure of 1 atmosphere. If a value is given at a temperature above the normal boiling point, the applicable pressure is understood to be the vapor pressure of the liquid at that temperature. A few values are given at a temperature slightly below the normal freezing point; these refer to the supercooled liquid.

The accuracy ranges from 1% in the best cases to 5 to 10% in the worst cases. Additional significant figures are included in the table to facilitate interpolation.

## References

- Viswanath, D. S. and Natarajan, G., *Data Book on the Viscosity of Liquids*, Hemisphere Publishing Corp., New York, 1989.
- Daubert, T. E., Danner, R. P., Sibul, H. M., and Stebbins, C. C., *Physical and Thermodynamic Properties of Pure Compounds: Data Compilation*, extant 1994 (core with 4 supplements), Taylor & Francis, Bristol, PA (also available as database).
- Ho, C. Y., Ed., *CINDAS Data Series on Material Properties*, Vol. V-1, *Properties of Inorganic and Organic Fluids*, Hemisphere Publishing Corp., New York, 1988.
- Stephan, K. and Lucas, K., *Viscosity of Dense Fluids*, Plenum Press, New York, 1979.
- Vargaftik, N. B., *Tables of Thermophysical Properties of Liquids and Gases*, 2nd ed., John Wiley, New York, 1975.

Molecular formula	Name	Viscosity in mPa s					
		$-25^{\circ}\text{C}$	$0^{\circ}\text{C}$	$25^{\circ}\text{C}$	$50^{\circ}\text{C}$	$75^{\circ}\text{C}$	$100^{\circ}\text{C}$
<i>Compounds not containing carbon</i>							
$\text{Br}_2$	Bromine		1.252	0.944	0.746		
$\text{Cl}_3\text{HSi}$	Trichlorosilane		0.415	0.326			
$\text{Cl}_3\text{P}$	Phosphorous trichloride	0.870	0.662	0.529	0.439		
$\text{Cl}_3\text{Si}$	Tetrachlorosilane			99.4	96.2		
$\text{H}_2\text{O}$	Water		1.793	0.890	0.547	0.378	0.282
$\text{H}_4\text{N}_2$	Hydrazine			0.876	0.628	0.480	0.384
$\text{Hg}$	Mercury			1.526	1.402	1.312	1.245
$\text{NO}_2$	Nitrogen dioxide		0.532	0.402			
<i>Compounds containing carbon</i>							
$\text{CCl}_3\text{F}$	Trichlorofluoromethane	0.740	0.539	0.421			
$\text{CCl}_4$	Tetrachloromethane		1.321	0.908	0.656	0.494	
$\text{CS}_2$	Carbon disulfide		0.429	0.352			
$\text{CHBr}_3$	Tribromomethane			1.857	1.367	1.029	
$\text{CHCl}_3$	Trichloromethane	0.988	0.706	0.537	0.427		
$\text{CHN}$	Hydrogen cyanide		0.235	0.183			
$\text{CH}_2\text{Br}_2$	Dibromomethane	1.948	1.320	0.980	0.779	0.652	
$\text{CH}_2\text{Cl}_2$	Dichloromethane	0.727	0.533	0.413			
$\text{CH}_2\text{O}_2$	Formic acid			1.607	1.030	0.724	0.545
$\text{CH}_3\text{I}$	Iodomethane		0.594	0.469			
$\text{CH}_3\text{NO}$	Formamide			7.114	3.343	1.833	
$\text{CH}_3\text{NO}_2$	Nitromethane	1.311	0.875	0.630	0.481	0.383	0.317
$\text{CH}_4\text{O}$	Methanol	1.258	0.793	0.544			
$\text{CH}_5\text{N}$	Methylamine	0.319	0.231				
$\text{C}_2\text{Cl}_3\text{F}_3$	1,1,2-Trichlorotrifluoro-ethane	1.465	0.945	0.656	0.481		
$\text{C}_2\text{Cl}_4$	Tetrachloroethylene		1.114	0.844	0.663	0.535	0.442
$\text{C}_2\text{HCl}_3$	Trichloroethylene		0.703	0.545	0.444	0.376	
$\text{C}_2\text{HCl}_5$	Pentachloroethane		3.761	2.254	1.491	1.061	
$\text{C}_2\text{HF}_3\text{O}_2$	Trifluoroacetic acid			0.808	0.571		
$\text{C}_2\text{H}_2\text{Cl}_2$	cis-1,2-Dichloroethylene	0.786	0.575	0.445			
$\text{C}_2\text{H}_2\text{Cl}_2$	trans-1,2-Dichloroethylene	0.522	0.398	0.317	0.261		
$\text{C}_2\text{H}_2\text{Cl}_4$	1,1,1,2-Tetrachloroethane	3.660	2.200	1.437	1.006	0.741	0.570
$\text{C}_2\text{H}_3\text{ClF}_2$	1-Chloro-1,1-difluoro-ethane	0.477	0.376				
$\text{C}_2\text{H}_3\text{ClO}$	Acetyl chloride			0.368	0.294		
$\text{C}_2\text{H}_3\text{Cl}_3$	1,1,1-Trichloroethane	1.847	1.161	0.793	0.578	0.428	
$\text{C}_2\text{H}_3\text{N}$	Acetonitrile		0.400	0.369	0.284	0.234	
$\text{C}_2\text{H}_4\text{Br}_2$	1,2-Dibromoethane			1.595	1.116	0.837	0.661

Molecular formula	Name	Viscosity in mPa s					
		-25°C	0°C	25°C	50°C	75°C	100°C
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1,1-Dichloroethane			0.464	0.362		
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1,2-Dichloroethane		1.125	0.779	0.576	0.447	
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Acetic acid			1.056	0.786	0.599	0.464
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl formate		0.424	0.325			
C <sub>2</sub> H <sub>5</sub> Br	Bromoethane	0.635	0.477	0.374			
C <sub>2</sub> H <sub>5</sub> Cl	Chloroethane	0.416	0.319				
C <sub>2</sub> H <sub>5</sub> I	Iodoethane		0.723	0.556	0.444	0.365	
C <sub>2</sub> H <sub>5</sub> NO	N-Methylformamide			2.549	1.678	1.155	0.824
C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	1.354	0.940	0.688	0.526	0.415	0.337
C <sub>2</sub> H <sub>6</sub> O	Ethanol	3.262	1.786	1.074	0.694	0.476	
C <sub>2</sub> H <sub>6</sub> OS	Dimethyl sulfoxide			1.987	1.290		
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Ethylene glycol			16.1	6.554	3.340	1.975
C <sub>2</sub> H <sub>6</sub> S	Dimethyl sulfide		0.356	0.284			
C <sub>2</sub> H <sub>6</sub> S	Ethanethiol		0.364	0.287			
C <sub>2</sub> H <sub>7</sub> N	Dimethylamine	0.300	0.232				
C <sub>2</sub> H <sub>7</sub> NO	Ethanolamine			21.1	8.560	3.935	1.998
C <sub>3</sub> H <sub>5</sub> Br	3-Bromopropene		0.620	0.471	0.373		
C <sub>3</sub> H <sub>5</sub> Cl	3-Chloropropene		0.408	0.314			
C <sub>3</sub> H <sub>5</sub> ClO	Epichlorohydrin	2.492	1.570	1.073	0.781	0.597	0.474
C <sub>3</sub> H <sub>5</sub> N	Propanenitrile			0.294	0.240	0.202	
C <sub>3</sub> H <sub>6</sub> O	Acetone	0.540	0.395	0.306	0.247		
C <sub>3</sub> H <sub>6</sub> O	Allyl alcohol			1.218	0.759	0.505	
C <sub>3</sub> H <sub>6</sub> O	Propanal			0.321	0.249		
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl formate		0.506	0.380	0.300		
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acetate		0.477	0.364	0.284		
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propanoic acid		1.499	1.030	0.749	0.569	0.449
C <sub>3</sub> H <sub>7</sub> Br	1-Bromopropane		0.645	0.489	0.387		
C <sub>3</sub> H <sub>7</sub> Br	2-Bromopropane		0.612	0.458	0.359		
C <sub>3</sub> H <sub>7</sub> Cl	1-Chloropropane		0.436	0.334			
C <sub>3</sub> H <sub>7</sub> Cl	2-Chloropropane		0.401	0.303			
C <sub>3</sub> H <sub>7</sub> I	1-Iodopropane		0.970	0.703	0.541	0.436	0.363
C <sub>3</sub> H <sub>7</sub> I	2-Iodopropane		0.883	0.653	0.506	0.407	
C <sub>3</sub> H <sub>7</sub> NO	N,N-Dimethylformamide		1.176	0.794	0.624		
C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	1-Nitropropane	1.851	1.160	0.798	0.589	0.460	0.374
C <sub>3</sub> H <sub>8</sub> O	1-Propanol	8.645	3.815	1.945	1.107	0.685	
C <sub>3</sub> H <sub>8</sub> O	2-Propanol		4.619	2.038	1.028	0.576	
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	1,2-Propylene glycol		248	40.4	11.3	4.770	2.750
C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Glycerol		934	152	39.8	14.8	
C <sub>3</sub> H <sub>8</sub> S	1-Propanethiol		0.503	0.385			
C <sub>3</sub> H <sub>8</sub> S	2-Propanethiol		0.477	0.357	0.280		
C <sub>3</sub> H <sub>9</sub> N	Propylamine			0.376			
C <sub>3</sub> H <sub>9</sub> N	Isopropylamine		0.454	0.325			
C <sub>4</sub> H <sub>4</sub> O	Furan	0.661	0.475	0.361			
C <sub>4</sub> H <sub>5</sub> N	Pyrrole		2.085	1.225	0.828	0.612	
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Acetic anhydride		1.241	0.843	0.614	0.472	0.377
C <sub>4</sub> H <sub>7</sub> N	Butanenitrile			0.553	0.418	0.330	0.268
C <sub>4</sub> H <sub>8</sub> O	2-Butanone	0.720	0.533	0.405	0.315	0.249	
C <sub>4</sub> H <sub>8</sub> O	Tetrahydrofuran	0.849	0.605	0.456	0.359		
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	1,4-Dioxane			1.177	0.787	0.569	
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acetate		0.578	0.423	0.325	0.259	
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Methyl propionate		0.581	0.431	0.333	0.266	
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl formate		0.669	0.485	0.370	0.293	
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Butanoic acid		2.215	1.426	0.982	0.714	0.542
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	2-Methylpropanoic acid		1.857	1.226	0.863	0.639	0.492
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> S	Sulfolane				6.280	3.818	2.559
C <sub>4</sub> H <sub>8</sub> S	Tetrahydrothiophene			0.973	0.912		
C <sub>4</sub> H <sub>9</sub> Br	1-Bromobutane		0.815	0.606	0.471	0.379	
C <sub>4</sub> H <sub>9</sub> Cl	1-Chlorobutane		0.556	0.422	0.329	0.261	
C <sub>4</sub> H <sub>9</sub> N	Pyrrolidine	1.914	1.071	0.704	0.512		
C <sub>4</sub> H <sub>9</sub> NO	N,N-Dimethylacetamide			1.927			

Molecular formula	Name	Viscosity in mPa s					
		-25°C	0°C	25°C	50°C	75°C	100°C
C <sub>4</sub> H <sub>9</sub> NO	Morpholine			2.021	1.247	0.850	0.627
C <sub>4</sub> H <sub>10</sub> O	1-Butanol	12.19	5.185	2.544	1.394	0.833	0.533
C <sub>4</sub> H <sub>10</sub> O	2-Butanol			3.096	1.332	0.698	0.419
C <sub>4</sub> H <sub>10</sub> O	2-Methyl-2-propanol			4.312	1.421	0.678	
C <sub>4</sub> H <sub>10</sub> O	Diethyl ether		0.283	0.224			
C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	Diethylene glycol			30.200	11.130	4.917	2.505
C <sub>4</sub> H <sub>10</sub> S	Diethyl sulfide		0.558	0.422	0.331	0.267	
C <sub>4</sub> H <sub>11</sub> N	Butylamine		0.830	0.574	0.409	0.298	
C <sub>4</sub> H <sub>11</sub> N	Isobutylamine		0.770	0.571	0.367		
C <sub>4</sub> H <sub>11</sub> N	Diethylamine			0.319	0.239		
C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>	Diethanolamine				109.5	28.7	9.100
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	Furfural		2.501	1.587	1.143	0.906	0.772
C <sub>5</sub> H <sub>5</sub> N	Pyridine			1.361	0.879	0.637	0.497
C <sub>5</sub> H <sub>10</sub>	1-Pentene	0.313	0.241	0.195			
C <sub>5</sub> H <sub>10</sub>	2-Methyl-2-butene		0.255	0.203			
C <sub>5</sub> H <sub>10</sub>	Cyclopentane			0.555	0.413	0.321	
C <sub>5</sub> H <sub>10</sub> O	Mesityl oxide	1.291	0.838	0.602	0.465	0.381	0.326
C <sub>5</sub> H <sub>10</sub> O	2-Pentanone		0.641	0.470	0.362	0.289	0.238
C <sub>5</sub> H <sub>10</sub> O	3-Pentanone		0.592	0.444	0.345	0.276	0.227
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Butyl formate		0.937	0.644	0.472	0.362	0.289
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl acetate		0.768	0.544	0.406	0.316	0.255
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl propanoate		0.691	0.501	0.380	0.299	0.242
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl butanoate		0.759	0.541	0.406	0.318	0.257
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl isobutanoate		0.672	0.488	0.373	0.296	
C <sub>5</sub> H <sub>11</sub> N	Piperidine			1.573	0.958	0.649	0.474
C <sub>5</sub> H <sub>12</sub>	Pentane	0.351	0.274	0.224			
C <sub>5</sub> H <sub>12</sub>	Isopentane	0.376	0.277	0.214			
C <sub>5</sub> H <sub>12</sub> O	1-Pentanol	25.4	8.512	3.619	1.820	1.035	0.646
C <sub>5</sub> H <sub>12</sub> O	2-Pentanol			3.470	1.447	0.761	0.465
C <sub>5</sub> H <sub>12</sub> O	3-Pentanol			4.149	1.473	0.727	0.436
C <sub>5</sub> H <sub>12</sub> O	2-Methyl-1-butanol			4.453	1.963	1.031	0.612
C <sub>5</sub> H <sub>12</sub> O	3-Methyl-1-butanol	8.627	3.692	1.842	1.031	0.631	
C <sub>5</sub> H <sub>13</sub> N	Pentylamine	1.030	0.702	0.493	0.356		
C <sub>6</sub> F <sub>6</sub>	Hexafluorobenzene			2.789	1.730	1.151	
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>o</i> -Dichlorobenzene		1.958	1.324	0.962	0.739	0.593
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	<i>m</i> -Dichlorobenzene		1.492	1.044	0.787	0.628	0.525
C <sub>6</sub> H <sub>5</sub> Br	Bromobenzene		1.560	1.074	0.798	0.627	0.512
C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	1.703	1.058	0.753	0.575	0.456	0.369
C <sub>6</sub> H <sub>5</sub> ClO	<i>o</i> -Chlorophenol			3.589	1.835	1.131	0.786
C <sub>6</sub> H <sub>5</sub> ClO	<i>m</i> -Chlorophenol				4.041		
C <sub>6</sub> H <sub>5</sub> F	Fluorobenzene		0.749	0.550	0.423	0.338	
C <sub>6</sub> H <sub>5</sub> I	Iodobenzene		2.354	1.554	1.117	0.854	0.683
C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	Nitrobenzene		3.036	1.863	1.262	0.918	0.704
C <sub>6</sub> H <sub>6</sub>	Benzene			0.604	0.436	0.335	
C <sub>6</sub> H <sub>6</sub> ClN	<i>o</i> -Chloroaniline			3.316	1.913	1.248	0.887
C <sub>6</sub> H <sub>6</sub> O	Phenol				3.437	1.784	1.099
C <sub>6</sub> H <sub>7</sub> N	Aniline			3.847	2.029	1.247	0.850
C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	Phenylhydrazine			13.0	4.553	1.850	0.848
C <sub>6</sub> H <sub>10</sub>	Cyclohexene	0.882	0.625	0.467	0.364		
C <sub>6</sub> H <sub>10</sub> O	Cyclohexanone			2.017	1.321	0.919	0.671
C <sub>6</sub> H <sub>11</sub> N	Hexanenitrile			0.912	0.650	0.488	0.382
C <sub>6</sub> H <sub>12</sub>	Cyclohexane			0.894	0.615	0.447	
C <sub>6</sub> H <sub>12</sub>	Methylcyclopentane	0.927	0.653	0.479	0.364		
C <sub>6</sub> H <sub>12</sub>	1-Hexene	0.441	0.326	0.252	0.202		
C <sub>6</sub> H <sub>12</sub> O	Cyclohexanol			57.5	12.3	4.274	1.982
C <sub>6</sub> H <sub>12</sub> O	2-Hexanone	1.300	0.840	0.583	0.429	0.329	0.262
C <sub>6</sub> H <sub>12</sub> O	4-Methyl-2-pentanone			0.545	0.406		
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl acetate		1.002	0.685	0.500	0.383	0.305
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Isobutyl acetate			0.676	0.493	0.370	0.286
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl butanoate			0.639	0.453		

Molecular formula	Name	Viscosity in mPa s					
		-25°C	0°C	25°C	50°C	75°C	100°C
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Diacetone alcohol	28.7	6.621	2.798	1.829	1.648	
C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	Paraldehyde			1.079	0.692	0.485	0.362
C <sub>6</sub> H <sub>13</sub> N	Cyclohexylamine			1.944	1.169	0.782	0.565
C <sub>6</sub> H <sub>14</sub>	Hexane		0.405	0.300	0.240		
C <sub>6</sub> H <sub>14</sub>	2-Methylpentane		0.372	0.286	0.226		
C <sub>6</sub> H <sub>14</sub>	3-Methylpentane		0.395	0.306			
C <sub>6</sub> H <sub>14</sub> O	Dipropyl ether		0.542	0.396	0.304	0.242	
C <sub>6</sub> H <sub>14</sub> O	1-Hexanol			4.578	2.271	1.270	0.781
C <sub>6</sub> H <sub>15</sub> N	Triethylamine		0.455	0.347	0.273	0.221	
C <sub>6</sub> H <sub>15</sub> N	Dipropylamine		0.751	0.517	0.377	0.288	0.228
C <sub>6</sub> H <sub>15</sub> N	Diisopropylamine			0.393	0.300	0.237	
C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	Triethanolamine			609	114	31.5	11.7
C <sub>7</sub> H <sub>5</sub> N	Benzonitrile				1.267	0.883	0.662
C <sub>7</sub> H <sub>7</sub> Cl	<i>o</i> -Chlorotoluene		1.390	0.964	0.710	0.547	0.437
C <sub>7</sub> H <sub>7</sub> Cl	<i>m</i> -Chlorotoluene		1.165	0.823	0.616	0.482	0.391
C <sub>7</sub> H <sub>7</sub> Cl	<i>p</i> -Chlorotoluene			0.837	0.621	0.483	0.390
C <sub>7</sub> H <sub>8</sub>	Toluene	1.165	0.778	0.560	0.424	0.333	0.270
C <sub>7</sub> H <sub>8</sub> O	<i>o</i> -Cresol				3.035	1.562	0.961
C <sub>7</sub> H <sub>8</sub> O	<i>m</i> -Cresol			12.9	4.417	2.093	1.207
C <sub>7</sub> H <sub>8</sub> O	Benzyl alcohol			5.474	2.760	1.618	1.055
C <sub>7</sub> H <sub>8</sub> O	Anisole			1.056	0.747	0.554	0.427
C <sub>7</sub> H <sub>9</sub> N	<i>N</i> -Methylaniline		4.120	2.042	1.222	0.825	0.606
C <sub>7</sub> H <sub>9</sub> N	<i>o</i> -Methyl aniline		10.3	3.823	1.936	1.198	0.839
C <sub>7</sub> H <sub>9</sub> N	<i>m</i> -Methyl aniline		8.180	3.306	1.679	1.014	0.699
C <sub>7</sub> H <sub>9</sub> N	Benzylamine			1.624	1.080	0.769	0.577
C <sub>7</sub> H <sub>14</sub>	Methylcyclohexane		0.991	0.679	0.501	0.390	0.316
C <sub>7</sub> H <sub>14</sub>	1-Heptene		0.441	0.340	0.273	0.226	
C <sub>7</sub> H <sub>14</sub> O	2-Heptanone			0.714	0.407	0.297	
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Heptanoic acid			3.840	2.282	1.488	1.041
C <sub>7</sub> H <sub>16</sub>	Heptane	0.757	0.523	0.387	0.301	0.243	
C <sub>7</sub> H <sub>16</sub>	3-Methylhexane			0.350			
C <sub>7</sub> H <sub>16</sub> O	1-Heptanol			5.810	2.603	1.389	0.849
C <sub>7</sub> H <sub>16</sub> O	2-Heptanol			3.955	1.799	0.987	0.615
C <sub>7</sub> H <sub>16</sub> O	3-Heptanol				1.957	0.976	0.584
C <sub>7</sub> H <sub>16</sub> O	4-Heptanol			4.207	1.695	0.882	0.539
C <sub>7</sub> H <sub>17</sub> N	Heptylamine			1.314	0.865	0.600	0.434
C <sub>8</sub> H <sub>8</sub>	Styrene	1.050	0.695	0.507	0.390	0.310	
C <sub>8</sub> H <sub>8</sub> O	Acetophenone			1.681			0.634
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Methyl benzoate			1.857			
C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl salicylate					1.102	0.815
C <sub>8</sub> H <sub>10</sub>	Ethylbenzene		0.872	0.631	0.482	0.380	0.304
C <sub>8</sub> H <sub>10</sub>	<i>o</i> -Xylene		1.084	0.760	0.561	0.432	0.345
C <sub>8</sub> H <sub>10</sub>	<i>m</i> -Xylene		0.795	0.581	0.445	0.353	0.289
C <sub>8</sub> H <sub>10</sub>	<i>p</i> -Xylene			0.603	0.457	0.359	0.290
C <sub>8</sub> H <sub>10</sub> O	Phenetole			1.197	0.817	0.594	0.453
C <sub>8</sub> H <sub>11</sub> N	<i>N,N</i> -Dimethylaniline		1.996	1.300	0.911	0.675	0.523
C <sub>8</sub> H <sub>11</sub> N	<i>N</i> -Ethylaniline		3.981	2.047	1.231	0.825	0.596
C <sub>8</sub> H <sub>16</sub>	Ethylcyclohexane		1.139	0.784	0.579		
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Octanoic acid			5.020	2.656	1.654	1.147
C <sub>8</sub> H <sub>18</sub>	Octane		0.700	0.508	0.385	0.302	0.243
C <sub>8</sub> H <sub>18</sub> O	1-Octanol			7.288	3.232	1.681	0.991
C <sub>8</sub> H <sub>18</sub> O	4-Methyl-3-heptanol		1.904	1.085	0.702	0.497	0.375
C <sub>8</sub> H <sub>18</sub> O	5-Methyl-3-heptanol		2.052	1.178	0.762	0.536	0.401
C <sub>8</sub> H <sub>18</sub> O	2-Ethyl-1-hexanol		20.7	6.271	2.631	1.360	0.810
C <sub>8</sub> H <sub>18</sub> O	Dibutyl ether	1.417	0.918	0.637	0.466	0.356	0.281
C <sub>8</sub> H <sub>19</sub> N	Dibutylamine		1.509	0.918	0.619	0.449	0.345
C <sub>8</sub> H <sub>19</sub> N	Diisobutylamine		1.115	0.723	0.511	0.384	0.303
C <sub>9</sub> H <sub>7</sub> N	Quinoline			3.337	1.892	1.201	0.833
C <sub>9</sub> H <sub>10</sub>	Indane		2.230	1.357	0.931	0.692	0.545
C <sub>9</sub> H <sub>12</sub>	Cumene		1.075	0.737	0.547		

Molecular formula	Name	Viscosity in mPa s					
		-25°C	0°C	25°C	50°C	75°C	100°C
C <sub>9</sub> H <sub>14</sub> O	Isophorone		4.201	2.329	1.415	0.923	0.638
C <sub>9</sub> H <sub>18</sub> O	5-Nonanone			1.199	0.834	0.619	0.484
C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	Nonanoic acid			7.011	3.712	2.234	1.475
C <sub>9</sub> H <sub>20</sub>	Nonane		0.964	0.665	0.488	0.375	0.300
C <sub>9</sub> H <sub>20</sub> O	1-Nonanol			9.123	4.032		
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethyl phthalate		63.2	14.4	5.309	2.824	1.980
C <sub>10</sub> H <sub>14</sub>	Butylbenzene			0.950	0.683	0.515	
C <sub>10</sub> H <sub>18</sub>	<i>cis</i> -Decahydronaphthalene	12.8	5.645	3.042	1.875	1.271	0.924
C <sub>10</sub> H <sub>18</sub>	<i>trans</i> -Decahydronaphthalene	6.192	3.243	1.948	1.289	0.917	0.689
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Decanoic acid				4.327	2.651	
C <sub>10</sub> H <sub>22</sub>	Decane	2.188	1.277	0.838	0.598	0.453	0.359
C <sub>10</sub> H <sub>22</sub> O	1-Decanol			10.9	4.590		
C <sub>11</sub> H <sub>24</sub>	Undecane		1.707	1.098	0.763	0.562	0.433
C <sub>12</sub> H <sub>10</sub> O	Diphenyl ether				2.130	1.407	1.023
C <sub>12</sub> H <sub>26</sub>	Dodecane		2.277	1.383	0.930	0.673	0.514
C <sub>13</sub> H <sub>12</sub>	Diphenylmethane					1.265	0.929
C <sub>13</sub> H <sub>28</sub>	Tridecane		2.909	1.724	1.129	0.796	0.594
C <sub>14</sub> H <sub>30</sub>	Tetradecane			2.128	1.376	0.953	0.697
C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl phthalate	483	66.4	16.6	6.470	3.495	2.425
C <sub>16</sub> H <sub>34</sub>	Hexadecane			3.032	1.879	1.260	0.899
C <sub>18</sub> H <sub>38</sub>	Octadecane				2.487	1.609	1.132