

## SOLVENT MISCIBILITY TABLE

	Solvent	Polarity Index	Refractive Index @20°C	UV(nm) Cutoff @1AU	Boiling Point(°C)	Viscosity (cPoise)	Solubility in water (%w/w)
	Acetic Acid	6.2	1.372	230	118	1.26	100
	Acetone	5.1	1.359	330	56	0.32	100
	Acetonitrile	5.8	1.344	190	82	0.37	100
	Benzene	2.7	1.501	280	80	0.65	0.18
	n-Butanol	4.0	1.394	254	125	0.73	0.43
	Butyl Acetate	3.9	1.399	215	118	2.98	7.81
	Carbon Tetrachloride	1.6	1.466	263	77	0.97	0.08
	Chloroform	4.1	1.446	245	61	0.57	0.815
	Cyclohexane	0.2	1.426	200	81	1.00	0.01
	1,2-Dichloroethane <sup>1</sup>	3.5	1.444	225	84	0.79	0.81
	Dichloromethane <sup>2</sup>	3.1	1.424	235	41	0.44	1.6
	Dimethylformamide	6.4	1.431	268	155	0.92	100
	Dimethyl Sulfoxide <sup>3</sup>	7.2	1.478	268	189	2.00	100
	Dioxane	4.8	1.422	215	101	1.54	100
	Ethanol	5.2	1.360	210	78	1.20	100
	Ethyl Acetate	4.4	1.372	260	77	0.45	8.7
	Di-Ethyl Ether	2.8	1.353	220	35	0.32	6.89
	Heptane	0.0	1.387	200	98	0.39	0.0003
	Hexane	0.0	1.375	200	69	0.33	0.001
	Methanol	5.1	1.329	205	65	0.60	100
	Methyl-t-Butyl Ether <sup>4</sup>	2.5	1.369	210	55	0.27	4.8
	Methyl Ethyl Ketone <sup>5</sup>	4.7	1.379	329	80	0.45	24
	Pentane	0.0	1.358	200	36	0.23	0.004
	n-Propanol	4.0	1.384	210	97	2.27	100
	Iso-Propanol <sup>6</sup>	3.9	1.377	210	82	2.30	100
	Di-Iso-Propyl Ether	2.2	1.368	220	68	0.37	
	Tetrahydrofuran	4.0	1.407	215	65	0.55	100
	Toluene	2.4	1.496	285	111	0.59	0.051
	Tichloroethylene	1.0	1.477	273	87	0.57	0.11
	Water	9.0	1.333	200	100	1.00	100
	Xylene	2.5	1.500	290	139	0.61	0.018

  

<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td>Xylene</td></tr> <tr><td>Water</td></tr> <tr><td>Tichloroethylene</td></tr> <tr><td>Toluene</td></tr> <tr><td>Tetrahydrofuran</td></tr> <tr><td>Dj-Iso-Propyl Ether</td></tr> <tr><td>Iso-Propanol</td></tr> <tr><td>n-Propanol</td></tr> <tr><td>Pentane</td></tr> <tr><td>Methyl Ethyl Ketone</td></tr> <tr><td>Methyl-t-Butyl Ether</td></tr> <tr><td>Methanol</td></tr> <tr><td>Hexane</td></tr> <tr><td>Heptane</td></tr> <tr><td>Dj-Ethyl Ether</td></tr> <tr><td>Ethyl Acetate</td></tr> <tr><td>Ethanol</td></tr> <tr><td>Dioxane</td></tr> <tr><td>Dimethyl Sulfoxide</td></tr> <tr><td>Dimethylformamide</td></tr> <tr><td>Dichloromethane</td></tr> <tr><td>1,2-Dichloroethane</td></tr> <tr><td>Cyclohexane</td></tr> <tr><td>Chloroform</td></tr> <tr><td>Carbon Tetrachloride</td></tr> <tr><td>Butyl Acetate</td></tr> <tr><td>n-Butanol</td></tr> <tr><td>Benzene</td></tr> <tr><td>Acetonitrile</td></tr> <tr><td>Acetone</td></tr> <tr><td>Acetic Acid</td></tr> </table>	Xylene	Water	Tichloroethylene	Toluene	Tetrahydrofuran	Dj-Iso-Propyl Ether	Iso-Propanol	n-Propanol	Pentane	Methyl Ethyl Ketone	Methyl-t-Butyl Ether	Methanol	Hexane	Heptane	Dj-Ethyl Ether	Ethyl Acetate	Ethanol	Dioxane	Dimethyl Sulfoxide	Dimethylformamide	Dichloromethane	1,2-Dichloroethane	Cyclohexane	Chloroform	Carbon Tetrachloride	Butyl Acetate	n-Butanol	Benzene	Acetonitrile	Acetone	Acetic Acid	<p><span style="display: inline-block; width: 15px; height: 15px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> <b>Immiscible</b></p> <p><span style="display: inline-block; width: 15px; height: 15px; background-color: #ffffff; border: 1px solid black; margin-right: 5px;"></span> <b>Miscible</b></p> <p><b>Immiscible means that in some proportions two phases will be produced</b></p> <p><b>Synonym Table</b>  <sup>1</sup> Ethylene Chloride  <sup>2</sup> Methylene Chloride  <sup>3</sup> Methyl Sulfoxide  <sup>4</sup> tert-Butyl Methyl Ether  <sup>5</sup> 2-Butanone  <sup>6</sup> 2-Propanol</p>
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