Solvent		MW	BP (°C)	MP (°C)	Density (g/mL)	Solubility in water	Dielectric Constant	Flash Point (°C)
acetic acid	$C_2H_4O_2$	60.05	118	16.6	1.049	M	6.15	39
acetone	C_3H_6O	58.08	56.2	-94.3	0.786	M	20.7(25)	-18
acetonitrile	C_2H_3N	41.05	81.6	-46	0.786	M	37.5	6
benzene	C_6H_6	78.11	80.1	5.5	0.879	0.18	2.28	-11
1-butanol	$C_4H_{10}O$	74.12	117.6	-89.5	0.81	6.3	17.8	35
2-butanol	$C_4H_{10}O$	74.12	98	-115	0.808	15	15.8(25)	26
2-butanone	C_4H_8O	72.11	79.6	-86.3	0.805	25.6	18.5	-7
t -butyl alcohol	$C_4H_{10}O$	74.12	82.2	25.5	0.786	M	12.5	11
carbon tetrachloride	CCl_4	153.82	76.7	-22.4	1.594	0.08	2.24	--
chlorobenzene	C_6H_5Cl	112.56	131.7	-45.6	1.1066	0.05	2.71	29
chloroform	$CHCl_3$	119.38	61.7	-63.7	1.498	0.795	4.81	--
cyclohexane	C_6H_{12}	84.16	80.7	6.6	0.779	<0.1	2.02	-20
1,2-dichloroethane	$C_2H_4Cl_2$	98.96	83.5	-35.3	1.245	0.861	10.42	13
diethyl ether	$C_4H_{10}O$	74.12	34.6	-116.3	0.713	7.5	4.34	-45
diethylene glycol	$C_4H_{10}O_3$	106.12	245	-10	1.118	10	31.7	143
diglyme (diethylene glycol dimethyl ether)	$C_6H_{14}O_3$	134.17	162	-68	0.943	M	7.23	67
1,2-dimethoxy-ethane (glyme, DME)	$C_4H_{10}O_2$	90.12	85	-58	0.868	M	7.2	-6
dimethylether	C_2H_6O	46.07	-22	-138.5	NA	NA	NA	-41
dimethyl-formamide (DMF)	C_3H_7NO	73.09	153	-61	0.944	M	36.7	58
dimethyl sulfoxide (DMSO)	C_2H_6OS	78.13	189	18.4	1.092	25.3	47	95
dioxane	$C_4H_8O_2$	88.11	101.1	11.8	1.033	M	2.21(25)	12
ethanol	C_2H_6O	46.07	78.5	-114.1	0.789	M	24.6	13
ethyl acetate	$C_4H_8O_2$	88.11	77	-83.6	0.895	8.7	6(25)	-4
ethylene glycol	$C_2H_6O_2$	62.07	195	-13	1.115	M	37.7	111
glycerin	$C_3H_8O_3$	92.09	290	17.8	1.261	M	42.5	160
heptane	C_7H_{16}	100.2	98	-90.6	0.684	0.01	1.92	-4
Hexamethylphosphoramide (HMPA)	$C_6H_{18}N_3OP$	179.2	232.5	7.2	1.03	M	31.3	105
Hexamethylphosphorous triamide (HMPT)	$C_6H_{18}N_3P$	163.2	150	-44	0.898	M	??	26
hexane	C_6H_{14}	86.18	69	-95	0.659	0.014	1.89	-22
methanol	CH_4O	32.04	64.6	-98	0.791	M	32.6(25)	12
methyl *t*- butyl ether (MTBE)	$C_5H_{12}O$	88.15	55.2	-109	0.741	5.1	??	-28
methylene chloride	CH_2Cl_2	84.93	39.8	-96.7	1.326	1.32	9.08	1.6
N -methyl-2-pyrrolidinone (NMP)	CH_5H_9NO	99.13	202	-24	1.033	10	32	91
nitromethane	CH_3NO_2	61.04	101.2	-29	1.382	9.5	35.9	35
pentane	C_5H_{12}	72.15	36.1	-129.7	0.626	0.04	1.84	-49
Petroleum ether (ligroine)	--	--	30-60	-40	0.656	--	--	-30
1-propanol	C_3H_8O	88.15	97	-126	0.803	M	20.1(25)	15
2-propanol	C_3H_8O	88.15	82.4	-88.5	0.785	M	18.3(25)	12
pyridine	C_5H_5N	79.1	115.2	-41.6	0.982	M	12.3(25)	17
tetrahydrofuran (THF)	C_4H_8O	72.11	66	-108.4	0.886	30	7.6	-21
toluene	C_7H_8	92.14	110.6	-93	0.867	0.05	2.38(25)	4
triethyl amine	$C_6H_{15}N$	101.19	88.9	-114.7	0.728	0.02	2.4	-11
water	H_2O	18.02	100	0	0.998	--	78.54	--
water, heavy	D_2O	20.03	101.3	4	1.107	M	??	--
o -xylene	C_8H_{10}	106.17	144	-25.2	0.897	Not	2.57	32
m -xylene	C_8H_{10}	106.17	139.1	-47.8	0.868	Not	2.37	27
p -xylene	C_8H_{10}	106.17	138.4	13.3	0.861	Not	2.27	27