

Solvent	Density (g/ml)	mp (°C)	bp (°C)	MW (g/mol)	Polarity index	Water solub. (g/100g)	Flash pt. (°C)	hazards	1H resonances (in CDCl3)	mult.	13C resonances (in CDCl3)	Polar ?	Protic / aprotic
Acetic acid	1.049	16.6	118.0	60.05	6.2	Miscible	39	Corrosive	2.1	s	175.99, 20.81	Y	Protic
Acetone	0.786	-94.3	56.3	58.08	5.1	Miscible	-18	Flammable	2.17	s	207.07, 30.92	Y	Aprotic
Acetonitrile	0.786	-46.0	81.6	41.05	5.8	Miscible	6	Toxic	2.1	s	116.43, 1.89	Y	Aprotic
Benzene	0.879	5.5	80.1	78.11	2.7	0.18	-11	Toxic	7.36	s	128.37	N	-
Carbon tet.	1.594	-22.4	76.7	153.82	1.6	0.08	-	Toxic	-	-	-	N	-
Chloroform	1.498	-63.7	61.7	112.56	4.1	0.795	-	Toxic	7.26	s	77.36	N	-
Cyclohexane	0.779	6.6	80.7	84.16	0.2	<0.1	-20	Flammable	1.43	s	26.94	N	-
DCM	1.326	-96.7	39.8	84.93	3.1	1.32	1.6	Toxic	5.3	s	53.52	N	-
Diethyl ether	0.713	-116.3	34.6	74.12	2.8	7.5	-45	H. Flamm	1.21, 3.48	t, q	15.20, 65.91	N	-
DMF	0.944	-61.0	153.0	73.09	6.4	Miscible	58	Flammable	8.02, 2.96, 2.88	s,s,s	162.62, 36.50, 31.45	Y	Aprotic
DMSO	1.092	18.4	189.0	78.13		25.3	95	Flammable	2.62	s	40.76	Y	Aprotic
Ethanol	0.789	-114.1	78.5	46.07	5.2	Miscible	13	H. Flamm	1.25, 3.72, 1.32	t,q, brs	18.41, 58.28	Y	Protic
Ethyl acetate	0.895	-83.6	77.0	88.11	4.4	8.7	-4	Flammable	2.05, 4.12, 1.26	s,q,t	21.04, 171.36, 60.49, 14.19	N	-
Grease	-	-	-	-	-	-	-	-	0.86, 1.26	m, brs	29.76	-	-
Heptane	0.684	-90.6	98.0	100.20	0	0.01	-4	Flammable	-	-	-	N	-
Hexane	0.659	-95.0	69.0	86.18	0	0.014	-22	Flammable	0.88, 1.26	t, m	14.14, 22.70, 31.64	N	-
HMPA	1.03	7.2	232.5	179.20		Miscible	105	Toxic	2.65	d	36.87	Y	Aprotic
Methanol	0.791	-98.0	64.6	32.04	5.1	Miscible	12	Toxic	3.49, 1.09	s,s	50.41	Y	Protic
Pentane	0.626	-129.7	36.1	72.15	0	0.04	-49	Flammable	0.88, 1.27	t, m	14.08, 22.38, 34.16	N	-
Petroleum ether	0.656	-40.0	30-60	-	0	-	-30	Flammable	-	-	-	N	-
2-Propanol	0.785	-88.5	82.4	88.15	3.9	Miscible	12	Flammable	1.22, 4.04	d, sep	25.14, 64.50	Y	Protic
Pyridine	0.982	-41.6	115.2	79.10		Miscible	17	Toxic	8.62, 7.29, 7.68	m,m,m	149.90, 123.75, 135.96	Y	Aprotic
Silicone grease	-	-	-	-	-	-	-	-	0.07	s	1.04	-	-
THF	0.886	-108.4	66.0	72.11	4	30	-21	Flammable	1.85, 3.76	m,m	25.62, 67.97	Y	Aprotic
Toluene	0.867	-93.0	110.6	92.14	2.4	0.05	4	Toxic	2.36, 7.17, 7.25	s,m,m	21.46, 137.89, 129.07, 128.26, 125.33	N	-
Triethylamine	0.728	-114.7	88.9	101.19	-	0.02	11	Toxic	1.03, 2.53	t, q	11.61, 46.25	Y	Aprotic
Water	0.998	0.0	100.0	18.02	-	Miscible	-	Wet	1.56	s	-	Y	Protic