

Table S1 Properties of Pure Components: densities \mathbf{r} (g cm⁻³), viscosities \mathbf{h} (mPa s) and refractive indices n_D at 298.15 K

Compound	r		h		<i>n_D</i>	
	Expt.	Literature	Expt.	Literature	Expt.	Literature
NMP	1.02832	1.0286 ²⁰ 1.0259 ³³ 1.0283 ³⁴	1.66	1.667 ²⁰ 1.666 ³³	1.4689	1.4675 ¹
	0.78663	0.78637 ³³ 0.7864 ³⁵	0.553	0.5513 ³³ 0.547 ³⁹	1.3271	1.32652 ³³ 1.3267 ³⁵
	0.78525	0.78493 ³³ 0.7852 ³⁵	1.09	1.0826 ³³	1.3596	1.35941 ³³ 1.3593 ³⁵
1-Propanol	0.79954	0.79960 ³³ 0.7995 ³⁵	1.95	1.9430 ³³	1.3835	1.38370 ³³ 1.3832 ³⁵
	0.80575	0.80575 ³³ 0.8054 ³⁵	2.53	2.5710 ³³	1.3976	1.39741 ³³ 1.3967 ³⁵
1-Pentanol	0.81098	0.81080 ³³ 0.8109 ³⁵	3.47	3.5128 ³³	1.4082	1.4080 ³³ 1.4074 ³⁵
	0.81501	0.81501 ³⁶ 0.81505 ³⁷	4.59	4.590 ^{40,41} 4.5406 ⁴²	1.4164	1.4157 ^{33, 35}
1-Heptanol	0.81865	0.81878 ³⁷ 0.81871 ³⁸	5.97	5.758 ⁴³ 5.690 ⁴⁴	1.4224	1.4216 ³⁵
	0.82169	0.82161 ³⁷ 0.82167 ³⁸	7.59	7.6596 ⁴² 7.363 ⁴⁵	1.4277	1.4276 ³³ 1.4267 ³⁵
1-Nonanol	0.82415	0.82428 ³⁶ 0.82422 ³⁷	9.51	8.965 ⁴⁶	1.4320	1.4309 ³⁵
	0.82615	0.82615 ³⁶ 0.82642 ³⁸	11.50	11.798 ³⁵ 11.9154 ⁴²	1.4356	1.4345 ³⁵

