

Electronic Supplementary Information for:

ROOM TEMPERATURE DEEP EUTECTIC SOLVENTS OF (1S)-(+)-10-CAMPHORSULFONIC ACID AND
SULFOBETAINES: HYDROGEN BOND-BASED MIXTURES WITH LOW IONICITY AND STRUCTURE-
DEPENDENT TOXICITY

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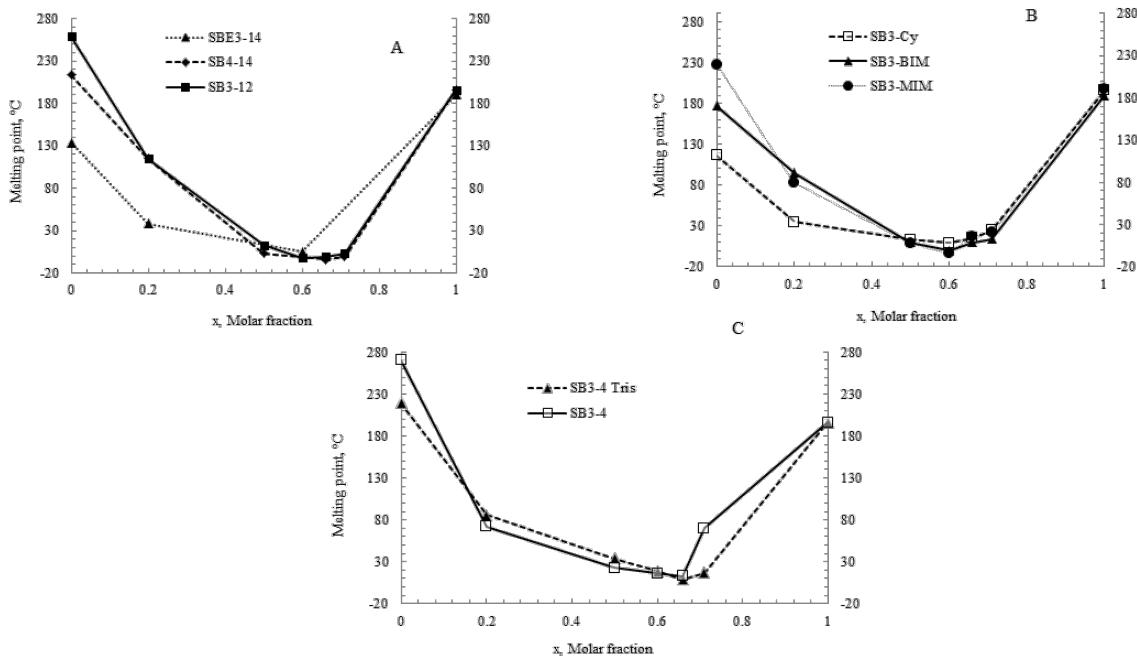


Fig. S1: Melting points of SB / CSA mixtures as a function of acid molar fraction x

Panel A: (solid triangles) SBE3-14 / CSA mixture, (solid diamonds) SB4-14 / CSA mixture, (hollow squares) SB3-12 / CSA mixture

Panel B: (hollow squares) SB3-Cy / CSA mixture, (solid triangles) SB3-BIM / CSA mixture, (hollow circles) SB3-MIM / CSA mixture

Panel C: (hollow triangles) SB3-8 bis / CSA mixture, (hollow squares) SB3-4 tris / CSA mixture, (solid squares) SB3-4 / CSA mixture, (hollow diamonds) SBP3-14 / CSA mixture

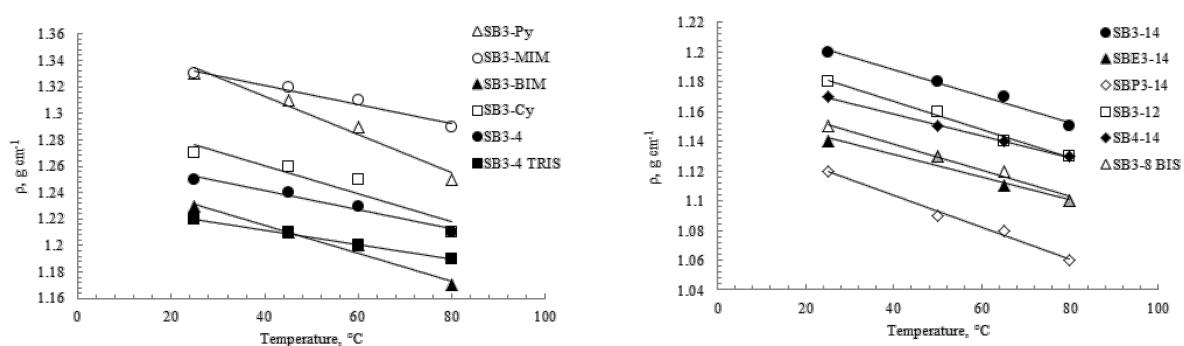


Figure S2: Density of SB / CSA mixtures as a function of temperature

Panel A (Aromatic-Aliphatic SB): (hollow triangles) SB3-Py / CSA mixture, (hollow circles) SB3-MIM / CSA mixture, (solid triangles) SB3-BIM / CSA mixture, (hollow squares) SB3-Cy / CSA mixture, (solid circles) SB3-4 / CSA mixture, (solid squares) SB3-4 Tris / CSA mixture.

Panel B (Amphiphilic SB): (solid circles) SB3-14 / CSA mixture, (solid triangles) SBE3-14 / CSA mixture, (hollow diamonds) SBP3-14 / CSA mixture, (hollow squares) SB3-12 / CSA mixture, (solid diamonds) SB4-14 / CSA mixture, (hollow triangles) SB3-8 Bis / CSA mixture.

Table S1: Surface Tension of SB/CSA mixture at 25 °C.

Entry	SB	ST (mN m⁻¹)
1	SB3-12	25.1
2	SB3-14	36.5
3	SBE3-14	33.6
4	SBP3-14	34.8
5	SB3-8 bis	37.5
6	SB3-MIM	36.5
7	SB3-BIM	32.9
8	SB4-14	33.8
9	SB3-Cy	40.5
10	SB3-Py	33.4
11	SB3-4	43.3
12	SB3-4 Tris	42.1