



Corrigendum

Corrigendum to ‘Surface tensions of binary mixtures of ionic liquids with bis(trifluoromethylsulfonyl)imide as the common anion’

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In our paper published in J. Chem. Thermodyn 64 (2013) 22–27, there is an error in the density values at $T = 298.15$ K of the system $\{[C_3mpip][NTf_2] (2) + [C_4mim][NTf_2] (1)\}$. Table 2 and figure 2 with the correct values are shown below.

The authors would like to apologise for any inconvenience caused.

TABLE 2
Density (at $T = 298.15$ K) and surface tension (at $T = 298.2$ K) of binary ionic liquid mixtures (compositions in mole fraction, x_2).

x_2	$\rho / (\text{g} \cdot \text{cm}^{-3})$	$\gamma / (\text{mN} \cdot \text{m}^{-1})$	x_2	$\rho / (\text{g} \cdot \text{cm}^{-3})$	$\gamma / (\text{mN} \cdot \text{m}^{-1})$
[C ₄ C ₁ mim][NTf ₂] (2) + [C ₄ mim][NTf ₂] (1)			[C ₃ mpyr][NTf ₂] (2) + [C ₄ mim][NTf ₂] (1)		
0.0000	1.4369	33.15	0.0000	1.4369	33.15
0.2193	1.4338	33.38	0.2094	1.4369	33.63
0.3981	1.4312	33.59	0.3935	1.4364	34.04
0.4962	1.4296	33.72	0.5004	1.4359	34.275
0.5995	1.4280	33.87	0.5943	1.4354	34.48
0.7896	1.4249	34.16	0.7854	1.4339	34.89
1.0000	1.4212	34.50	1.0000	1.4317	35.35
[C ₃ mpy][NTf ₂] (2) + [C ₄ mim][NTf ₂] (1)			[C ₃ mpip][NTf ₂] (2) + [C ₄ mim][NTf ₂] (1)		
0.0000	1.4369	33.15	0.0000	1.4369	33.15
0.2093	1.4402	33.42	0.2156	1.4329	33.53
0.3996	1.4429	33.73	0.4069	1.4285	33.90
0.4995	1.4442	33.91	0.4988	1.4262	34.08
0.6047	1.4455	34.12	0.5955	1.4237	34.28
0.8024	1.4477	34.55	0.7958	1.4179	34.71
1.0000	1.4497	35.02	1.0000	1.4114	35.17

Notes: (i) The uncertainty of the measured surface tension is within $5 \times 10^{-2} \text{ mN} \cdot \text{m}^{-1}$. The uncertainty of the density measured is within $5 \times 10^{-4} \text{ g} \cdot \text{cm}^{-3}$.

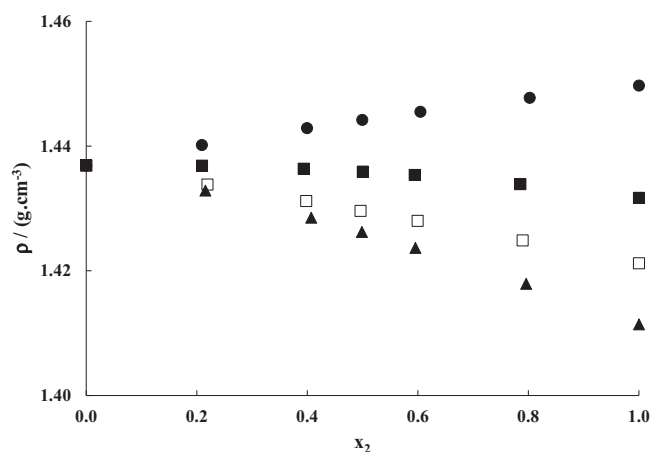


FIGURE 2. Experimental density data at $T = 298.15$ K of the binary systems composed of [C₄mim][NTf₂] (1) and: □, [C₄C₁mim][NTf₂] (2); ■, [C₃mpyr][NTf₂] (2); ●, [C₃mpy][NTf₂] (2); ▲, [C₃mpip][NTf₂] (2).

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