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CORRIGENDA

Corrigendum to Sorption of Organic Solvents into Dense Silicone Membranes. Parts 1 and 2

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Part 1: *J. Chem. Soc., Faraday Trans.*, 1993, **89**, 4339.
Part 2: *J. Chem. Soc., Faraday Trans.*, 1993, **89**, 4347.

In Part 1, eqn. (13) and (14) were incorrect. They should be:

$$\Phi_s G_{11} + 1 = \left(\frac{1}{1 - 2\chi\Phi_s}\right) \quad (13)$$

$$\Phi_s G_{11} + 1 = \left(\frac{1}{1 - 2\chi\Phi_s + (1 - \Phi_s)\left(\frac{\partial\chi}{\partial \ln \Phi_s}\right)_{T,P}}\right) \quad (14)$$

In Part 2, eqn. (9), (13), (14) and (17) were incorrect and should read as follows:

$$\Phi_s = \frac{\exp[(k_s - k_p)x_s] - 1}{(k_s - k_p)/k_p} = \frac{\exp(k_1 x_s) - 1}{k_2} \quad (9)$$

$$\Phi_{s\,max} = \frac{k_p[\exp(k_s - k_p) - 1]}{(k_s - k_p)} \quad (13)$$

$$G_{11} = -(1 - \Phi_s)\left(\frac{\partial(a_s/\Phi_s)}{\partial a_s}\right)_{T,P} - 1 \quad (14)$$

$$\mathrm{MCS} = \left(\frac{(1 - \Phi_s)(k_2\Phi_s + 1)\ln(k_2\Phi_s + 1)}{k_2\Phi_s}\right) + \Phi_s \quad (17)$$

Corrigendum to Fluorescence Anisotropy Decays and Viscous Behaviour of 2-Methyltetrahydrofuran

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The fluorescence transition in tetracene is polarised parallel to the short axis, not the long axis as shown in Fig. 1. The theoretical results given in Table 2 were calculated correctly, *i.e.* for the short axis.

Corrigendum to Small-angle Neutron Scattering Investigations of the Structure of Thixotropic Dispersions of Smectite Clay Colloids

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The experimental work described in this paper was performed at the Institut Laue-Langevin and AEA Technology. Unfortunately, owing to problems which were unnoticed during the preparation of the typescript, the names of two authors were inadvertently omitted.

The authors should be: J. D. F. Ramsay, P. Lindner, A. Matsumoto and S. W. Swanton.

The work was performed whilst J.D.F.R., A.M. and S.W.S. were at AEA Technology, Harwell, Didcot, UK OX11 0RA.

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Corrigendum to Primitive Model Electrolytes in the Modified Poisson–Boltzmann Theory

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Eqn. (2) for the symmetrical pair distribution function should read

$$g_{st}(r) = g_{st}^0 \exp(-(\beta/2)\{q_s[L_s(u_t) + L_s(u_t^0)] + q_t[L_t(u_s) + L_t(u_s^0)]\})$$

where

$$L_s(u_t) = [u_t(r + a_{is}) + u_t(r - a_{is}) + \kappa \int_{r-a_{is}}^{r+a_{is}} u_t(R)\, dR]/[2r(1 + \kappa a_{is})]$$

and

$$u_t^0 = u_t(q_t = 0)$$

This correction only affects unequal ion size results, not those for unequal valencies. Calculations with the above g_{st} indicate that deviations from the published structural and thermodynamic properties occur only at the higher concentrations and valencies. These deviations are not visible for the graphical scale used in the relevant figures. The corrected tables are given below.

Table 1 1 : 1 electrolytes

c	α	ln γ_-	ln γ_+
0.10378	2	−0.231	−0.216
	3	−0.230	−0.205
0.42506	2	−0.273	−0.187
	3	−0.271	−0.121
1.0	2	−0.177	0.096
	3	−0.180	0.306
1.9674	2	0.107	0.856
	3	0.087	1.470

Table 2 2 : 1 electrolytes

c	α	ln γ_-	ln γ_+
0.009441	0.5	−0.176	−0.608
	2	−0.178	−0.609
0.107528	0.5	−0.337	−1.39
	2	−0.376	−1.41
0.440424	0.5	−0.172	−1.89
	2	−0.401	−1.90
1.03640	0.5	0.535	−1.99
	2	−0.237	−1.91
2.03850	0.5	2.65	−1.63
	2	0.185	−1.26
2.77926	0.5	5.37	−1.03
	2	0.584	−0.372