

## ERRATA

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*Page 391:* Equation 8 should read as follows:

$$V_A C_A + V_B C_B = 1 \quad (8)$$

The assumptions leading to the derivation of equations 7 and 9 require that  $D_A = D_B = D_{AB}$ , and this result is not generally true for the usual organic systems as stated.

*Page 415:* The subscript 1 should be eliminated from  $D_1$  in equations 53, 54, 55, and 56.

*Page 422:* Equation 98 should be designated as "Hydrodynamic" instead of "Thermodynamic."

*Page 423:* Equation 104 should not have been ascribed to Prager. The equations from which this equation was derived were given by Prager but came originally from papers by Darken and by Hartley and Crank. The derivation of equation 104 requires the assumptions used for equation 7 on page 391.

*Page 424:* Equation 114, where  $D_A$  is the intrinsic diffusivity of Hartley and Crank, is only equal to equation 104 under the assumptions mentioned above. In general the equations of Darken and of Hartley and Crank give

$$D_{AB} = (1 + \partial \ln \gamma_A / \partial \ln N_A)(D_A^* N_B + D_B^* N_A)$$

when there is negligible volume change on mixing.