

Diffusion coefficient of cis-octadec-9-enoic acid in methanol

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.1. Diffusion in Binary Mixtures

| | | | |
|---|-----------|------------------------------------|----------------|
| C ₁₈ H ₃₄ O ₂ | (1) | cis-octadec-9-enoic acid | 112-80-1 |
| C H ₄ O | (2) | methanol | 67-56-1 |
| Mutual Diffusion Coefficient: $D_{12}(c_i)$; $T = 303.15$ K; Method: DIA | | | Ref.: [1967A5] |
| c_1 [mol/L] | p [kPa] | $D \cdot 10^9$ [m ² /s] | |
| 0.0220 | 101.32 | 0.902 | |

Symbols and Abbreviations

| Short Form | Full Form |
|------------|-----------------------|
| D | diffusion coefficient |
| p | pressure |
| T | temperature |
| DIA | diaphragm cell |

References

[1967A5] Armourdam M. J., Laddha, G. S.: J. Chem. Eng. Data **12** (1967) 389–391.