

Diffusion coefficient of iodine in methyl-cyclohexane at infinite dilution

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.2. Diffusion in Binary Mixtures at Infinite Dilution

| | | | |
|---|--------------|------------------------------------|----------------|
| I ₂ | (1) | iodine | 7553-56-2 |
| C ₇ H ₁₄ | (2) | methyl-cyclohexane | 108-87-2 |
| Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: CORR | | | Ref.: [1955W1] |
| T [K] | Type | $D \cdot 10^9$ [m ² /s] | |
| 303.15 | $D^0_{1(2)}$ | 2.30 | |
| 313.15 | $D^0_{1(2)}$ | 2.71 | |

Symbols and Abbreviations

| Short Form | Full Form |
|------------|----------------------------------|
| D | diffusion coefficient |
| p | pressure |
| T | temperature |
| CORR | correlation of experimental data |

References

[1955W1] Wilke, C. R., Chang, P.: AIChE J. **1** (1955) 264–270.