

Diffusion coefficient of tetrachloro-methane in carbon disulfide at infinite dilution

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.2. Diffusion in Binary Mixtures at Infinite Dilution

C Cl ₄	(1)	tetrachloro-methane	56-23-5
C S ₂	(2)	carbon disulfide	75-15-0
Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: DLS			Ref.: [1987S8]
T [K]	Type	$D \cdot 10^9$ [m ² /s]	
293.15 ± 0.02	$D^0_{1(2)}$	3.00	
293.15 ± 0.02	$D^0_{2(1)}$	2.36	
Diffusion Coefficient at infinite dilution: $p = 101.325$ kPa; Method: CORR			Ref.: [2012B2]
T [K]	Type	$D \cdot 10^9$ [m ² /s]	
293.15	$D^0_{1(2)}$	3.00	
293.15	$D^0_{2(1)}$	2.36	

Symbols and Abbreviations

Short Form	Full Form
D	diffusion coefficient
p	pressure
T	temperature
DLS	dynamic light scattering
CORR	correlation of experimental data

References

- [1987S8] Siddiqi, M. A., Krahn, W., Lucas, K.: J. Chem. Eng. Data **32** (1987) 48–50.
 [2012B2] Beigzadeh R., Rahimi, M., Shabaniyan, S. R.: Fluid Phase Equilib. **331** (2012) 48–57.