

Diffusion coefficient of octamethyl-cyclotetrasiloxane in ethanol

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.1. Diffusion in Binary Mixtures

$C_8 H_{24} O_4 Si_4$	(1)	octamethyl-cyclotetrasiloxane	556-67-2
$C_2 H_6 O$	(2)	ethanol	64-17-5
Intradiffusion Coefficient: $D_{2T}(T)$; Method: DIA			Ref.: [1984E7]
T [K]	p [kPa]	$D \cdot 10^9$ [m ² /s]	
323.15	101.32	$2.50 \pm 1\%$	
Comment: values at trace concentration of ¹⁴ C labelled component (2)			

Symbols and Abbreviations

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

References

[1984E7] Eastal, A. J., Woolf, L. A.: J. Chem. Soc., Faraday Trans. I **80** (1984) 1287–1295.