

Diffusion coefficient of butanoic acid in butan-1-ol

3 Diffusion in Liquid Mixtures

3.1. Data

3.1.1. Diffusion in Binary Mixtures

$C_4H_8O_2$	(1)	butanoic acid	107-92-6
$C_4H_{10}O$	(2)	butan-1-ol	71-36-3
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]	
0.02322	101.32	0.5120	

Symbols and Abbreviations

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

References

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