



Surface properties of diluted aqueous solutions of 1,2-pentanediol.

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Rok wydania

1999

Czasopismo

Journal of Chemical Physics

Numer woluminu

111

Strony

3233-3236

DOI

10.1063/1.479603

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The surface tensions σ of aqueous solutions of 1,2-pentanediol were measured in a temperature range between 288 and 308 K using the Wilhelmy plate method. The surface entropies, enthalpies, densities, and compositions were calculated. The results were interpreted in terms of specific interactions of the hydrophobic parts of the molecules adsorbed at the interface. Increasing surface concentration of diol molecules causes their rearrangement at the surface, similar to that observed earlier for -butanol system.

Adres publiczny

<https://doi.org/10.1063/1.479603>

Strona internetowa wydawcy

<https://www.aip.org/>