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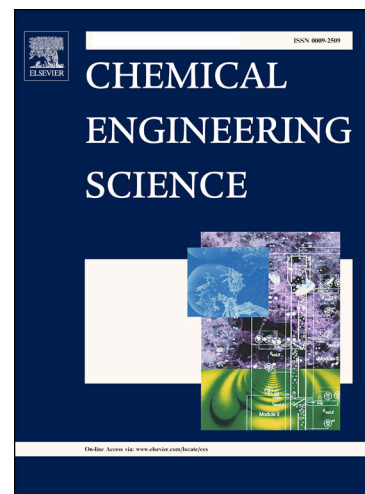
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# INFLUENCE OF MOLECULAR STRUCTURE OF ALCOHOL-WATER MIXTURES ON BUBBLE BEHAVIOUR AND BUBBLE SURFACE MOBILITY

P. Basařová<sup>1</sup>, J. Pišlová<sup>1</sup>, J. Mills<sup>1</sup> and S.Orvalho<sup>2</sup>

<sup>1</sup>University of Chemistry and Technology Prague, Department of Chemical Engineering, Technická 5, 166 28, Praha 6, Czech Rep. E-mail: pavlina.basarova@vscht.cz

<sup>2</sup>Institute of Chemical Process Fundamentals of the ASCR, v.v.i., Rozvojová 2, 165 02 Praha 6, Czech Rep.

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## Abstract:

The behaviour of spherical bubbles rising in water-ethanol and water-propanol mixtures was investigated experimentally for the whole range of concentrations, from pure water to pure alcohol. These two alcohols were chosen for their importance in industrial applications and for their peculiar properties resulting from the formation of organised microstructures in the non-ideal mixture at a molecular level. The effect of the composition of the alcohol-water mixtures on the physicochemical properties of the liquid was evaluated for all the solutions investigated, compared with literature values to critically assess the effect of the

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