## The Viscous Properties of Diols. II. 1,2- and 1,5-Pentanediol in Water and 1-Pentanol Solutions

Grzegorz Czechowski and Jan Jadżyn

Institute of Molecular Physics, Polish Academy of Sciences, M. Smoluchowskiego 17, 60-179 Poznań, Poland

Reprint requests to Prof. J. J.; Fax: +4861 8684-524; E-mail: jadzyn@ifmpan.poznan.pl

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Viscosity measurements were performed for 1,2-pentanediol,  $CH_3(CH_2)_2CH(OH)CH_2(OH)$ , and 1,5-pentanediol,  $HO(CH_2)_5OH$ , dissolved in water and 1-pentanol, in the whole range of concentration (x). The viscosity excess ( $\eta^E$ ) of the solutions studied is negative with the exception of concentrated mixtures of the diols with water, where strong anomalies in the  $\eta^E(x)$  dependence are observed.

Key words: Pentanediol; Water; Pentanol; Solutions; Viscosity Excess; Activation Energy; Supramolecular Ordering.