

The Viscous Properties of Diols.

III. 1,2- and 1,4-Butanediol in Water and 1-Pentanol

Grzegorz Czechowski, Arkadiusz Rabiega, 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

Z. Naturforsch. **58a**, 569 – 572 (2003); received July 23, 2003

Viscosity measurements were performed for solutions of $\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_2(\text{OH})$ and $\text{HO}(\text{CH}_2)_4\text{OH}$, in water and 1-pentanol, at 10–50 °C. The activation energy and viscosity excess were derived from the data. A peculiarity in the concentration dependence of the viscosity excess on was observed for both diols dissolved in water.

Key words: Shear Viscosity; Butanediol; Water; Pentanol; Solutions; Viscosity Excess;
Activation Energy.