

## عنوان مقاله:

Thermodynamic Properties of Methyl tert-Butyl Ether (MTBE) and 1-Alkanols Binary Mixtures at 298.15 K and Atmospheric Pressure: Application of Peng Robinson Equation of State

## محل انتشار:

سومین کنفرانس بین المللی دستاوردهای نوین پژوهشی در شیمی و مهندسی شیمی (سال: 1395)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

Densities and viscosities for the methyl tert-butyl ether (MTBE) + 1-alkanols (1-butanol, 1-pentanol, 1-hexanol and 1-heptanol) binary mixtures was experimentally determined at 293.15 K and normal atmospheric pressure, over the entire mole fraction range. Excess molar volume and viscosity deviation were calculated. Viscosity deviation was negative in whole composition. In the following, prediction of Peng Robinson equation of state for volumetric data was studied. The Accuracy (%AAD) was between 5 to 8.6%

## کلمات کلیدی:

binary mixture, thermodynamic, Peng Robinson, excess property

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/530668>

