

## عنوان مقاله:

Survey of densities for binary mixtures containing Diisopropyl ether and 2-Alkanols

## محل انتشار:

اولین همایش ملی توسعه دانش بنیان صنایع نفت، گاز و پتروشیمی (سال: 1392)

تعداد صفحات اصل مقاله: 3

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## خلاصه مقاله:

In this research, Densities of binary mixtures containing diisopropyl ether, 2-Propanol, 2-Butanol and 2-Pentanol has been measured at various temperatures and different mole fraction. From the experimental data, excess molar volumes ( $E_m V$ ), partial molar volumes ( $m_i V$ ), thermal expansion coefficients ( $\alpha$ ), excess thermal expansion coefficients ( $E$ ), and dynamic deviations were calculated. Excess molar volumes were correlated by Redlich-Kister type equation as a function of temperature. Excess molar volumes are positive for all studied mixtures and decrease with increase of temperature. Also value of excess molar volumes were explained by type and nature of interactions. Occure is solutions.

## کلمات کلیدی:

Diisopropyl ether, 2-Alkanols, Excess molar volume, Redlich-Kister equation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/280152>

