

عنوان مقاله:

Study of density of binary mixture of containing butyl acetate and benzaldehyde

محل انتشار:

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

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

acetate, benzaldehyde, aniline were measured at 293.15 to 323.15K and whole mol fraction range. Excess molar volumes (V^E), viscosity deviations, partial molar volumes at infinite dilution ($V_{0m,i}$), thermal expansion coefficients (α) excess thermal expansion coefficients (E) and change of molar Enthalpy with pressure at constant temperature and molar fraction $T \times E (H_m / P)$, have been calculated. Excess molar volume and viscosity deviation were fitted by Redlich - Kister equation. All mixtures show negative values of excess molar volume and viscosity deviation; Excess molar volume decrease with increase temperatures. Also the values of V^E and $\Delta\eta$ were explained by type and nature of interactions of in solution

کلمات کلیدی:

Benzaldehyde , butyl acetate, excess molar volume , Redlich-kister equation , viscosity deviations

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