**عنوان مقاله:**

Densities, Viscosities and Refractive Indices for Binary and Ternary Mixtures of Dimethylacetamide + Dimethylbenzylamine + Dichloromethane

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**خلاصه مقاله:**

Density ($\rho$), viscosity ($\eta$), and refractive index (nD) for ternary systems include dimethylacetamide, dimethylbenzylamine, and dichloromethane, as well as the related binaries such as dimethylacetamide + dimethylbenzylamine, dimethylacetamide + dichloromethane, and dimethylbenzylamine + dichloromethane, were obtained at ambient pressure. Excess volumes, VmE, viscosity deviations $\Delta\eta$, and refractive index deviations DnD of the mixtures were obtained using the Redlich-Kister and the Cibulka relations for binary and ternary systems, respectively. Adopted values for coefficient and standard deviations were reported. The experimental data for ternary system were also fitted to Tsao-Smith, Radjkovic, and Kohler models. The intermolecular interactions were analyzed based on the experimental findings.

**کلمات کلیدی:**

Excess molar volumes, Tsao-Smith, Radjkovic, Kohler, Redlich–Kister, Cibulka

**لینک ثابت مقاله در پایگاه سیویلیکا:**

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