

Excess Molar Enthalpies for 2-Alcohol + n-Alkane Systems

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Excess molar enthalpies, H^E , of binary mixtures of 2-Alkanol with n-Alkane have been measured at 313.15 K under atmospheric pressure using an isothermal microcalorimeter. The experimental H^E values are positive for all the binary mixtures over the entire range of compositions. The experimental data have been correlated with the modified Redlich-Kister equation with 5 coefficients. And data also have been correlated with NLF-HB EoS (nonrandom lattice fluid equation of state with hydrogen bonding).