

Excess Molar Enthalpies and Volumes of Binary Mixtures of 1,2-dichloropropane with
2-(2-methoxyethoxy)ethanol and
2-(2-ethoxyethoxy)ethanol at T=298.15K

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Excess molar enthalpies using an isothermal microcalorimeter with a flow mixing cell and excess molar volumes using a digital vibrating-tube densimeter over the whole range of compositions have been measured for the binary mixtures {1,2-dichloropropane + 2-(2-methoxyethoxy) ethanol} and {1,2-dichloropropane + 2-(2-ethoxyethoxy)ethanol} at 298.15K under atmospheric pressure. All the and of the two binary mixtures have an S-shape form and the dependence of and on compositions is negative for poor and positive for rich 1,2-dichloropropane mole fractions at this temperature. The experimental results of and values were fitted to the Redlich-Kister equation to correlate the composition dependence of both excess properties. The NRTL model was used to fit the values.