

## Liquid-Liquid Equilibrium for 2,3-butanediol + Water + Organic Solvents

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Liquid-liquid equilibria were measured for water + 2,3-butanediol + solvents(cyclopentyl methyl ether and methy isobutyl ketone). Complete phase diagrams were obtained by evaluating the solubility and tie-line results for each ternary mixture. The consistency of the tie-line results was ascertained using an Othmer-Tobias plot. The distribution coefficient and separation factors were evaluated from the liquid-liquid equilibria (LLE) data. Moreover, NRTL and UNIQUAC models were used to correlate the liquid-liquid equilibria experimental data.