

RESEARCH NOTES

丁酮-DMF体系与甲苯-DMF体系的常减压气液平衡数据的测定

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摘要 The isobaric vapor-liquid equilibrium data of butanone(1)-N, N-dimethylformamide (DMF)(2) at 100.92kPa, 93.32kPa, and 79.99kPa and of toluene(1)-DMF(2) at 100.92kPa were measured using a modified Rose-Williams still. The above data met the thermodynamic consistency test and were correlated with the Wilson, NRTL, and UNIQUAC equations. These data can be used in the analysis and design of the process that involves separating DMF from butanone and toluene in the leather synthesis industry.

关键词 [isobaric vapor-liquid equilibrium](#), [N, N-dimethylformamide](#), [DMF](#), [butanone](#), [toluene](#), [Wilson equation](#), [NRTL equation](#), [UNIQUAC equation](#).

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The isobaric vapor-liquid equilibrium of butanone-DMF and toluene-DMF at reduced pressures

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Abstract The isobaric vapor-liquid equilibrium data of butanone(1)-N, N-dimethylformamide (DMF)(2) at 100.92kPa, 93.32kPa, and 79.99kPa and of toluene(1)-DMF(2) at 100.92kPa were measured using a modified Rose-Williams still. The above data met the thermodynamic consistency test and were correlated with the Wilson, NRTL, and UNIQUAC equations. These data can be used in the analysis and design of the process that involves separating DMF from butanone and toluene in the leather synthesis industry.

Key words [isobaric vapor-liquid equilibrium](#), [N, N-dimethylformamide](#), [DMF](#), [butanone](#), [toluene](#), [Wilson equation](#), [NRTL equation](#), [UNIQUAC equation](#).

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