THERMODYNAMICS AND CHEMICAL .....

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大装号 solid-liquid equilibrium\_solubility\_dimethyl-2.6-naphthaliene dicarboxylate\_UNIFAC group contribution method\_activity coefficient 分类号 DOI:

Measurement and correlation for solubility of dimerbyl-2,6-naghthalene dicarbarytate in organic solvents

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Abstrat Solubility of dimerbyl-2-suphthalene darbarytate in accis acid, NV-dimerbyl soluboxide, and N-metbyl-2
Abstrat Solubility of dimerbyl-2-suphthalene darbarytate in accis acid, NV-dimerbyl solution, dimerbyl soluboxide, and N-metbyl-2
ketopyrolidine were determined using a dynamic method. The measured systems were correlated by UNFAC group contribution method. A new main group (anomatic ester, ACCOO) was defined to express the activity coefficients of the anomatic ester. New interaction parameters of the ACCOO group were expressed as the finsorder function of temperature and were determined using a dynamic method. The measured systems were also correlated with the Wilson and 3-h models, and the results were compared with those of the UNFAC model.

Key words solid-liquid equilibrium; solubility; dimethyl-2 6-naphthalene dicarboxylate; UNIFAC group contribution method; activity coefficient

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