

Phase Equilibria of Binary Carbon Dioxide + Formic Acid Mixture System

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Binary phase equilibrium data were obtained for the carbon dioxide + formic acid system at temperature from 318 K to 358 K. Multiphase behavior (vapor-liquid-liquid) was found and the split points were checked by using a variable volume view cell apparatus. In order to obtain more accurate equilibrium data, a circulating type apparatus with on-line gas chromatography was used in this study.