

**Phase Equilibria(SLE, LLE) of tri-butylphosphate
or tri-octylaniline; extractive solvents of Molybdenum**

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Molybdenum (Mo) adds strength and hardness and helps cast iron tolerate high pressures and temperatures. Organic solvents usually carried out extraction of Mo from acid leach solution of roasted Mo ore. Tri-butylphosphate (TBP), amines and long chain alcohols are usually used in the extraction process of Mo, separately or together as a solvent or modifier. For reusing of solvents and to develop energy saving separation technology, a suitable phase equilibrium are needed and much more attention should be paid. As a result in this work, solid-liquid equilibrium (SLE) and liquid-liquid equilibrium (LLE) were determined with the relative solvents and modifiers.