

## The Use of Ionic Liquids for the Deep Desulfurization of Fuel

고난희, 허은수, 이제승, 정민석, 김훈식\*  
경희대학교 이과대학 화학과  
(khs2004@khu.ac.kr\*)

Various types of imidazolium-based ionic liquids (ILs) were synthesized and used as extractants for the desulfurization of a model oil containing dibenzothiophene (DBT). The amount of DBT extracted was significantly affected by the Lewis acidity and also by the fluidity of ionic liquids.