Thermal Stability of 1,3-Disubstituted Imidazolium Tetrachloroferrates, Magnetic Ionic Liquids

O. E. Zhuravlev, N. V. Verolainen, and L. I. Voronchikhina

Tver State University, Tver, Russia

Received August 20, 2010

Abstract—Thermal stability of synthesized magnetic liquids, tetrachloroferrates of 1,3-disubstitued derivatives of imidazolium, was examined. An effect of the cation structure on thermal stability of ionic liquids was considered and a mechanism of thermal destruction was suggested.

DOI: 10.1134/S1070427211070068