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(54) Title: RECYCLING OF IONIC LIQUID CATALYST

(57) Abstract: Provided is a process for safely transporting or recycling an ionic liquid catalyst based on chloroaluminates. The process comprises mixing a secondary alcohol with an ionic liquid based on a chloroaluminate and allowing a reaction to occur forming an aluminum chloride adduct precipitate. The precipitate is filtered and the secondary alcohol removed, leaving a solid salt. This solid salt is the ionic liquid catalyst absent aluminum chloride, for example, Nbutylpyridinium chloride. This salt is recycled to the reactor. AlCl₃ is added to the salt prior to introduction into the reactor to remake the ionic liquid catalyst, for example, Nbutylpyridinium heptachloroaluminate.



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