

Direct synthesis of di-n-butyl carbonate from the carboxylation of n-Butanol by CO₂

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Direct synthesis of di-n-butyl carbonate was investigated from the reaction of n-butanol with carbon dioxide in presence of various catalysts and iodoalkanes as promoters. Effect of catalysts, reaction conditions and promoters were also investigated. Products and catalysts were characterized by GC, GC-MS, FTIR and XRD.