Synthesis and properties of oxide catalysts for the oxidation of sterically hindered phenols

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Abstract

A method for preparing heterogeneous alkaline oxidation catalyst to be used with sterically hindered phenols on the basis of metal oxides of the 4th period of the periodic table has been suggested. The composition of the proposed heterogeneous alkaline catalyst has been studied. Kinetic laws of the oxidation reaction of 2,6-di-tret-butylphenol were studied.