

ABSTRACT OF THE DISCLOSURE

A process for the carbonylation of butadiene or a butadiene derivative in the presence of carbon monoxide and an alcohol or water and a catalyst system comprising palladium, a carboxylic acid and a monodentate phosphine ligand is described in which the amounts of reactants during the carbonylation process are such that the molar ratio of butadiene or butadiene derivative to palladium in the reaction mixture is less than 70:1, the molar ratio of carboxylic acid to palladium is greater than 10:1 and the molar ratio of alcohol or water to butadiene or butadiene derivative is less than 2:1.

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