

Preparation of aliphatic α,ω -aminonitriles

Abstract

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Aliphatic α,ω -aminonitriles are prepared by partial hydrogenation of aliphatic α,ω -dinitriles at elevated temperatures and super-atmospheric pressure in the presence of a solvent and of a catalyst, by a process in which the catalyst used is obtainable by thermal decomposition of a metal compound selected from the group consisting of metal carbonyl compounds, metal salts of C_1 - C_6 -carboxylic acids and C_2 - C_6 -dicarboxylic acids and metal complexes with diketones to give the corresponding metal and/or a metal oxide thereof, with the proviso that the metal used is nickel or cobalt.

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