

Preparation of aliphatic alpha, omega-diamines

Abstract

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A process for preparing aliphatic alpha, omega-diamines by hydrogenation of aliphatic alpha, omega-dinitriles in the presence of a catalyst comprises using a hydrogenation catalyst comprising

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(a) iron or a compound based on iron or mixtures thereof,

(b) from 0.001 to 0.3% by weight based on (a) of a promoter based on 2, 3, 4 or 5 elements selected from the group consisting of aluminum, silicon, zirconium, titanium and vanadium, and also

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(c) from 0 to 0.3% by weight based on (a) of a compound based on an alkali and/or alkaline earth metal.

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