

Catalysts suitable for the preparation of aliphatic alpha, omega-aminonitriles by partial hydrogenation of aliphatic dinitriles

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Abstract

A catalyst suitable for preparing aliphatic alpha, omega-aminonitriles by partial hydrogenation of aliphatic dinitriles comprises

- 15 (a) metallic cobalt, a cobalt compound or a mixture thereof, the proportion of metallic cobalt based on (a) being from 20 to 100 % by weight,
- 20 (b) from 10 to 70 % by weight, based on (a), of metallic iron, iron oxide, a further iron compound or a mixture thereof, the proportion of iron oxide based on (b) being from 20 to 100 % by weight,
- (c) from 0 to 1 % by weight, based on (a), of a compound based on an alkali metal, an alkaline earth metal or zinc.

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