

Regeneration of catalysts

Abstract

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A process is provided for the regeneration of a heterogeneous catalyst used for the preparation of compounds containing NH_2 groups by the hydrogenation, with hydrogen, of compounds containing at least one unsaturated carbon-nitrogen bond, wherein

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- a) the feed of the compound to be hydrogenated is stopped and
- b) the heterogeneous catalyst is treated with a compound of the formula

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in which

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R^1 is hydrogen or $\text{C}_1\text{-C}_4$ alkyl and

R^2, R^3 independently of one another are each hydrogen or $\text{C}_1\text{-C}_4$ alkyl or together are a $\text{C}_3\text{-C}_6$ alkylene group,

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or mixtures of such compounds, at a pressure ranging from 0.1 to 30 MPa and a temperature ranging from 100 to 300°C , with the proviso that the compound of formula (I) is in liquid form during the treatment.

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