

WERK RUHRCHEMIE FFR

6230 Frankfurt 80, 02.03.1992

PAT-bin-hrr

Hoe 92/Y001

Hoechst Aktiengesellschaft, Frankfurt am Main 80Abstract

The present invention relates to a process for the preparation of alcohols or amines by reaction of esters, fatty acids or nitriles with hydrogen at elevated temperature and pressure by means of a catalyst which, per 100 parts by weight of CuO, comprises 40 to 130 parts by weight of ZnO, 2 to 50 parts by weight of Al₂O₃ and optionally 0.5 to 8 parts by weight of oxide of Mn, Mo, V, Zr and/or alkaline earth metal, has a BET total area of 80 to 175 m² per gram of catalyst in the non-reduced state, 75 to 95% of the BET total area being formed by pores having a radius $r_p \leq 15$ nm.

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