

Process for preparing an amine

Abstract

- 5 A process for preparing an amine by reacting a primary or secondary alcohol, aldehyde and/or ketone with hydrogen and a nitrogen compound selected from the group of ammonia, primary and secondary amines, in the presence of a zirconium dioxide- and nickel-containing catalyst, wherein the catalytically active composition of the catalyst, before its reduction with hydrogen, comprises oxygen compounds of zirconium, of
- 10 nickel and of iron, and in the range from 0.2 to 5.5% by weight of oxygen compounds of tin, of lead, of bismuth, of molybdenum, of antimony and/or of phosphorus, calculated in each case as SnO , PbO , Bi_2O_3 , MoO_3 , Sb_2O_3 and H_3PO_4 respectively, and also catalysts as defined above.