

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-, copper- and nickel-containing catalyst, wherein the catalytically active composition of the catalyst, before its reduction with hydrogen, comprises oxygen compounds of
- 10 zirconium, of copper, of nickel, in the range from 0.2 to 40% by weight of oxygen compounds of cobalt, calculated as CoO , in the range from 0.1 to 5% by weight of oxygen compounds of iron, calculated as Fe_2O_3 , and in the range from 0.1 to 5% by weight of oxygen compounds of lead, of tin, of bismuth and/or of antimony, calculated in each case as PbO , SnO , Bi_2O_3 and Sb_2O_3 respectively, and also catalysts as defined
- 15 above.