

Abstract

The present invention discloses a catalyst for producing dibasic amine by hydrogenation of dibasic nitrile, which comprises the following components or reaction product thereof: a) an active component, wherein the active component comprises Ni and/or an oxide thereof; b) an auxiliary, wherein the auxiliary comprises one or more of Mg, Cu, Co, Zn, Zr, Mo and/or oxides thereof; C) support, wherein the relative content of α -NiO in the catalyst is less than 2.0 a.u.. The present invention also discloses a process for producing dibasic amine by hydrogenation of dibasic nitrile. The catalyst and the process of the present invention greatly reduce the generation of excessive hydrogenation by-products and improve the overall selectivity of target products.

Figure 1