

Abstract

Disclosed is a catalyst useful for producing organic amines by catalytic amination, its preparation and application thereof, wherein the catalyst comprises an inorganic porous carrier containing aluminum and/or silicon and an active metal component supported on the carrier, the active metal component comprises at least one metal selected from the group consisting of Group VIII and Group IB metals, and the carrier has an ammonia adsorption capacity of 0.25 to 0.65 mmol/g, as measured by NH₃-TPD test. The catalyst has an improved performance, when used for producing organic amines by catalytic amination.

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No Figure