
Abstract

The transport pores in a catalyst which comprises a catalytically active amount of at least one oxygen-containing molybdenum and/or tungsten compound on an oxidic support material and has been calcined at from 400°C to 900°C after application of precursor compounds of the catalytically active compounds to the support material or a support material precursor have a diameter of >25 nm and a volume of at least 50 mm³/g.

The molybdenum and/or tungsten content of the catalyst is x μmol of (tungsten and/or molybdenum)/m² where 10.1 < x < 20.9, based on the finished catalyst, and the oxidic support material has a BET surface area of from 135 to 220 m²/g. Such catalysts have an acidity at pK_a < -3 of at least 70 μmol/g in the dry state and are therefore very active.

A process for preparing such a catalyst and its preferred use are also provided by the invention.



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