

ABSTRACTTHIS SHEET HAS BEEN
REPLACEDCATALYST FOR THE HYDROGENATION OF NITRILES TO AMINES,
PREPARATION PROCESS THEREOF AND HYDROGENATION PROCESS
MAKING USE THEREOF

The present invention relates to the catalytic reduction of nitriles to amines..

More precisely, it relates to a catalyst for the hydrogenation of nitriles to amines which is of Raney Ni type and which is doped with at least one element chosen from groups IIB and IVB to VIIB of the periodic classification.

This catalyst has an optimized activity, selectivity and stability. It is, moreover, economic and convenient to use.

The catalyst according to the invention is characterized in that its precursor alloy is substantially free from doping agent before the alkaline attack and by an aluminium content, expressed by weight with respect to the weight of the nickel, which is less than or equal to 6%, preferably less than 5% and, more preferentially still, between 2.5% and 4.5%.

The invention relates to the hydrogenation of nitriles to amines using the said catalyst.