

PROCESS FOR THE PREPARATION OF ANTIMONATE CATALYSTS FOR (AMM) OXIDATION
OF ALKANES AND ALKENES

Abstract of the Disclosure

A method of preparing a $V_aSb_bM_mN_nO_x$ catalyst useful in the ammoxidation of a C_2-C_5 hydrocarbon to its corresponding α, β unsaturated nitrile comprising heating an aqueous mixture comprising V_2O_5 and Sb_2O_3 at a temperature above about 100° to $250^\circ C$, preferably 110° to $175^\circ C$, most preferably 120° to $160^\circ C$, under autogenous pressure with agitation to form a catalyst precursor, drying the catalyst precursor and calcining the catalyst precursor to form the finished catalyst.