

PROCESS FOR AMMOXIDATION OF SATURATED HYDROCARBONSABSTRACT

The present invention relates to a process for ammoxidation of saturated hydrocarbons, that is to say the conversion of alkanes into a mixture containing α,β -unsaturated nitriles.

The subject of the present invention is more particularly a process for ammoxidation of alkanes in vapour phase in the presence of a solid catalyst whose active phase contains molybdenum and oxygen, characterized in that the said active phase also contains at least one element chosen from the group consisting of the alkaline-earth metals, Mn, Fe, U, La, Co, Ni, Zn, Ag, Cd, W, Zr, Pb, Te, Ga, Al, B, Nb and Ta.

The present invention is suitable more particularly for the ammoxidation of propane to a mixture containing acrylonitrile and propylene.