

ABSTRACT

PROCESS FOR THE AMMOXIDATION OF SATURATED HYDROCARBONS

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

More particularly, the subject of the present invention is a process for the ammoxidation of alkanes in the vapour phase in the presence of a solid catalyst whose active phase contains vanadium, antimony, iron and/or gallium and/or indium and oxygen.

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