

ABSTRACT

IMPROVED ALUMINA CARRIERS AND SILVER-BASED CATALYSTS FOR THE PRODUCTION OF ALKYLENE OXIDES

An improved carrier useful for preparing a catalyst having excellent catalytic performance when used in the production of alkylene oxide, such as ethylene oxide. The carrier is obtained by a) impregnating a preformed alpha-alumina carrier with at least one modifier selected from among alkali metal silicates and alkaline earth metal silicates, b) drying said impregnated carrier; and c) calcining said dried carrier. The carrier may optionally be washed, prior to being impregnated by conventional catalytic material and/or promoter material.

No Figure



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