

ABSTRACT OF THE DISCLOSURE

A catalyst for the production of ethylene oxide is formed by causing a carrier having α -alumina as a main component thereof to incorporate therein silica and a metal or a compound of at least one element selected from the elements of the groups Ib and IIb in the periodic table of the elements such as, for example, silver oxide and depositing silver on the carrier. The carrier is obtained by mixing at least α -alumina, a silicon compound, an organic binder, and a compound of at least one element selected from the elements of the groups Ib and IIb in the periodical table of the elements and then calcining the resultant mixture at a temperature in the range of 1,000° - 1,800°C.



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