

ABSTRACT

Disclosed is a process for producing an epoxidized product of olefins, which comprises oxidizing olefins in the presence of an oxidizing catalyst, ^{by} using an alcohol medium solution of hydrogen peroxide produced by catalytically reacting hydrogen with oxygen in an alcohol medium.

According to the present invention, an epoxidized product of olefins can be produced by using an alcohol medium solution of hydrogen peroxide in high selectivity without requiring an aqueous hydrogen peroxide solution of high concentration and producing a large amount of by-products.

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