ABSTRACT

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Process for manufacturing an oxirane

Continuous process for manufacturing an oxirane, according to which an olefin is reacted at a temperature above 35°C and for a period of more than 48 hours, with a peroxide compound in the presence of a zeolite-based catalyst and in the presence of a metal salt, in which the catalyst undergoes no regeneration treatment and in which the rate of deactivation of the catalyst, expressed as being a percentage of the conversion of the peroxide compound lost per gram of oxirane produced per gram of zeolite determined after establishing the reaction conditions, i.e. after the consumption of 2.5 mol of peroxide function per gram of zeolite, is less than or equal to 0.15%.

Single figure.

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