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ABSTRACT

Process for preparing alkyl hydroperoxide compounds

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The present invention relates to a process for manufacturing alkyl hydroperoxide compounds, more particularly the preparation of cyclohexyl hydroperoxide.

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The invention more particularly relates to the preparation of cyclohexyl hydroperoxide by oxidation with oxygen of cyclohexane in a multistage reactor or reactors mounted in series. According to the invention, 15 the surfaces of the reactor in contact with the oxidation medium are protected by a temperature-resistant PFA polymer coat.