

A B S T R A C T

METHOD FOR THE CONTINUOUS PREPARATION OF A MIXTURE OF
A CYCLOALKANONE, CYCLOALKANOL AND
A CYCLOALKYLHYDROPEROXIDE

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Method for the continuous preparation of a mixture of a cycloalkanone, a cycloalkanol and a
10 cycloalkylhydroperoxide, according to which the corresponding cycloalkane is oxidized wherein the cyclic alkane has between 5 and 20 carbon atoms, in a continuous process, with the aid of an oxygen-containing gas, in the absence of a metal catalyst, at a temperature of between
15 130 and 200°C, the oxidation being at least partly carried out in the presence of between 0.002 and 2 mmol of a phenolic compound per kg of reaction mixture (mmol/kg).