Abstract

A process for preparing propylene oxide comprises at least the following steps:

(a) propene is reacted with hydrogen peroxide in a solvent in the presence of a suitable catalyst to give a mixture (M0) comprising propylene oxide, solvent, unreacted propene, unreacted hydrogen peroxide and oxygen,

(b) the propylene oxide is separated off from the mixture (M0) so as to give a mixture (M1) comprising at least unreacted propene and oxygen, and

(c) the mixture (M1) is utilized.

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