

ABSTRACT

A method for producing propylene oxide, comprising:

supplying a peroxide-containing liquid and propylene to a fixed bed reactor filled with a catalyst to produce propylene oxide;

stopping the supplying of the peroxide-containing liquid;

5 contacting a liquefied gas with the catalyst in the fixed bed reactor after the stopping of the supplying of the peroxide-containing liquid; and
supplying an inert gas to the fixed bed reactor.