## ABSTRACT

### PROCESS FOR PRODUCING PROPYLENE OXIDE

A process for producing propylene oxide which comprises reacting a raw material solution which is a solution of ethylbenzene hydroperoxide in ethylbenzene obtained by liquid phase autoxidation of ethylbenzene with propylene in the presence of a Ti-containing solid catalyst to give propylene oxide, said raw material solution being a solution prepared by washing a solution of ethylbenzene hydroperoxide in ethylbenzene obtained by liquid phase autoxidation of ethylbenzene with an aqueous alkali solution to bring a lactic acid concentration to 5 ppm by weight or less.