

ABSTRACT

Process for Producing Catalyst for Use in Producing Unsaturated Aldehyde and Unsaturated Carboxylic Acid, and Process for 5 Producing Unsaturated Aldehyde and Unsaturated Carboxylic Acid

The present invention provides a process for producing a catalyst for use in producing an unsaturated aldehyde and an unsaturated carboxylic acid by catalytically oxidizing a
10 compound which is selected from propylene, isobutylene and t-butyl alcohol in gaseous phase with molecular oxygen, and comprising a mixed oxide which contains molybdenum, bismuth and iron, wherein a catalyst precursor is calcined under a gas atmosphere containing molecular oxygen; and then is heat-
15 treated in the presence of a reducing substance.

Further, the present invention provides a process for producing an unsaturated aldehyde and an unsaturated carboxylic acid, which process comprises steps of producing a catalyst by the above-mentioned process and then catalytically oxidizing a
20 compound selected from propylene, isobutylene and t-butyl alcohol in gaseous phase with molecular oxygen in the presence of the catalyst.