

ABSTRACT

A process for producing a supported catalyst for the synthesis of methacrolein and methacrylic acid in which a catalytic active substance comprising a
5 composite oxide containing molybdenum and bismuth as essential components is supported on the inside surface and/or the outside surface of an inert carrier, which comprises the steps of drying a mixed solution or an aqueous slurry containing the compounds of the elements
10 constituting the catalytic active substance, subjecting the dried product to a primary calcination at a temperature in a range of 200-400°C to form a catalytic active substance precursor, comminuting the obtained catalytic active substance precursor to such an extent that the
15 medium particle size in the volume-based particle size distribution becomes 10 μm or less, supporting the comminution product on an inert carrier, and subjecting it to a secondary calcination at a temperature which is 100°C or more higher than the primary calcination
20 temperature.

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