

ABSTRACT

The object of the present invention is to provide a method for preparing a catalyst for producing methacrylic acid by subjecting methacrolein, isobutyl aldehyde or isobutyric acid to gas phase catalytic oxidation with high yield and high selectivity.

A method for preparing a catalyst for producing methacrylic acid by subjecting methacrolein, isobutyl aldehyde or isobutyric acid to gas phase catalytic oxidation, the method comprising: (a) a step of blending compounds each containing any one of Mo, V, P, Cu, Cs or NH_4 with water to prepare an aqueous solution or dispersion of the compounds (hereinafter referred to, both included, as a slurry); (b) a step of drying the slurry obtained in the step (a) to obtain a dried slurry; (c) a step of calcining the dried slurry obtained in the step (b) to obtain a calcined body; (d) a step of filtering a mixture obtained by blending the calcined body obtained in the step (c) with water to separate an aqueous solution and water-insoluble matter; and (e) a step of drying the water-insoluble matter obtained in the step (d) to obtain a dried water-insoluble body.