

Abstract

METHOD FOR PRODUCING CATALYST FOR PRODUCING METHACRYLIC ACID

A method for producing a catalyst for producing methacrylic acid used in producing methacrylic acid through a catalytic gas-phase oxidation reaction of methacrolein with molecular oxygen, the catalyst containing at least molybdenum and phosphorus as catalyst components, the method including: producing a dried material having an apparent density (X) of 1.00 to 1.80 kg/L by drying an aqueous liquid mixture containing raw material compounds for catalyst components; and producing a catalyst molded body having a molded article density (Y) of 1.60 to 2.40 kg/L and a ratio of the apparent density (X) to the molded article density (Y), (X/Y), of 0.50 to 0.80 by molding the dried material or a mixture containing the dried material.