A1 using a homogenizer, the particles in the slurry A1 were broken, and as a result, it was not possible to prepare the slurry A2 satisfying the predetermined median diameter, and the methacrylic acid selectivity of the obtained catalyst became low.

Industrial Applicability

[0094]

The present invention is industrially useful in that it is possible to provide a catalyst that enables a production of methacrylic acid with a high methacrylic acid selectivity.

Reference Signs List

[0095]

1 tank
11 agitator
12 outlet
13 liquid return port
2 tank
21 agitator
22 feed port
23 outlet
24 liquid feed port
31 pump
32 pipe
32a, 32b pipe portion
33 two-way valve
34 pressure gauge