

ABSTRACT

TITLE OF THE INVENTION: CATALYST AND PROCESS FOR PRODUCING THE SAME

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[Abstract]

[Task] To provide a catalyst in which granules of the catalyst are improved in crash strength with no use of the caking agent, while increasing the effective area of the crystal surface part of the catalyst.

- 10 [Solving Means] A catalyst powder-containing slurry obtained by milling a metallosilicate-containing raw material by a bead mill is dried by a spray drying method to obtain granules of a catalyst. The raw material may be one containing a metallosilicate having micropores of a size that is substantially 4.5 to 6.5 angstroms. It is better to mill the raw material by a
- 15 bead mill such that the particle size of the metallosilicate becomes 1.0 μ m or less at a cumulative frequency of 50%. It is better that as a metal component at least one metal component selected from rhenium, vanadium, molybdenum, tungsten, chromium, and their compounds is supported on the metallosilicate. It is better to subject the slurry to the drying process after
- 20 aging. It is better to add polyvinyl alcohol to the slurry.

[Selected Drawing] None