

ABSTRACT

A solid catalyst component for olefin polymerization makes it possible to polymerize an olefin with high polymerization activity when used for an olefin
5 polymerization catalyst, and produce an olefin polymer having a low fine powder content, a low coarse powder content, and a low volatile organic compound (VOC) content in high yield. The solid catalyst component for olefin polymerization is produced by suspending (a) a dialkoxymagnesium, and (b) at least one alcohol selected from ethanol, n-propanol, n-butanol, isopropanol, isobutanol, and t-butanol, in an inert
10 organic solvent so that the total amount of the alcohol is 0.5 to 1.5 parts by mass based on 100 parts by mass of the dialkoxymagnesium, to prepare a suspension, and bringing (c) an internal electron donor and (d) a titanium halide compound into contact with the suspension.