Summary

Dealuminated catalyst carrier, process for producing the catalyst carrier and process for hydrating C_2 or C_3 olefins with water in the presence of a catalyst which comprises this catalyst carrier impregnated with acid.

What is claimed is a dealuminated catalyst carrier, a process for producing a catalyst carrier with reduced aluminium content based on naturally occurring lattice-layer silicates, such as for example montmorillonite, as well as a process for the hydration reaction of C_2 or C_3 olefins in which said catalyst carrier with reduced aluminium content is used. For acid-catalysed hydration reaction the catalyst carrier is impregnated with phosphoric acid.

The improvements according to the invention of the hydration reaction compared to conventional processes include the fact that no aluminium is leached out of the carrier in the presence of the phosphoric acid. As a result no more blockage of the succeeding apparatusdue to aluminium phosphate are expected.

162162

G00001