

ABSTRACT OF THE DISCLOSURE

To provide a uniform-type platinum-loaded alumina catalyst demonstrating excellent performance in terms of catalyst life, a uniform-type platinum-loaded alumina catalyst includes: an alumina carrier; sulfur or a sulfur compound dispersed over an entire cross section of the alumina carrier; platinum dispersed and loaded over the entire cross section of the alumina carrier; one or more alkali metals selected from the group consisting of sodium, potassium, and calcium. Preferably, the content of platinum is 0.05 to 5.0 wt% calculated as elemental platinum. The content of the sulfur or the sulfur compound preferably is 0.15 to 5.0 wt% calculated as elemental sulfur. The content of the alkali metal preferably is 0.1 to 5.0 wt% calculated as elemental alkali metal.