

Abstract

The present invention relates to a hydrogenation catalyst composition, process for preparing the same and use thereof. The composition
5 comprises a hydrogenation catalyst, an organonitrogen compound in an amount of 0.01%-20% by weight of the catalyst, a sulfiding agent in an amount of 30%-150% by weight of the sulfur-requiring amount calculated theoretically of the hydrogenation catalyst, and an organic solvent in an amount of 0.1%-50% by weight of the catalyst. The preparation process
10 comprises introducing the required substances onto the hydrogenation catalyst in oxidation state. By introduction of the organonitrogen compound, sulfur and organic solvent, the hydrogenation catalyst composition of the present invention may further increase the sulfur-maintaining ratio of the catalyst during the activation, slow down
15 the concentrative exothermic phenomenon, decrease the rate of temperature rise of the catalyst bed layer, and improve the activity of the catalyst. The process of the present invention may be used for the treatment before the application of various hydrogenation catalysts.