

ABSTRACT

CATALYST COMPOSITION AND PROCESS FOR SELECTING HYDROGENATION OF DIOLEFINS

A supported hydrogenation catalyst composition consists essentially of a palladium component, at least one alkali metal iodide (preferably KI) and an inorganic support material (preferably Al_2O_3). This catalyst composition is employed in the selective hydrogenation of C_3 - C_{12} diolefins with hydrogen gas to the corresponding monoolefins.