

AbstractPROCESS FOR THE PREPARATION OF VINYL ACETATE CATALYST

A process of producing a fluid bed oxacylation catalyst for olefins and diolefins having the following formula Pd-M-A where

M = Ba, Au, Cd, Bi, Cu, Mn, Fe, Co,
Ce, U or mixtures thereof,

A = an alkali metal or mixture
thereof, and

M is present in the range of from 0 to 5 wt%,

A is present in the range of greater than 0 to
10 wt%,

comprising milling a fixed bed oxacylation catalyst precursor comprising Pd-M on a fixed support with a fluid bed catalyst binder material to form a uniform slurry, drying the slurry to form microspheroidal particles of solid fluid bed catalyst precursor and optionally impregnating the microspheroidal particles with a solution of alkali metal salt to form the fluid bed catalyst. The catalyst is particularly useful in the manufacture of vinyl acetate from ethylene, acetic acid and oxygen.

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