

This Sheet Has Been Replaced



TS 0019 SIN

A B S T R A C T

HYDROFORMYLATION PROCESS

Process for the hydroformylation of ethylenically unsaturated compounds, by reaction with carbon monoxide and hydrogen in the presence of a catalyst based on a metal of the platinum group, a source of anions other than halide anions and a bidentate ligand of the formula $R^1R^2M^1RM^2R^3R^4$ wherein M^1 and M^2 are phosphorus, arsenic or antimony, R is a bivalent organic bridging group with 1 to 4 atoms in the bridge, R^1 and R^2 together represent a bivalent cyclic group and R^3 and R^4 independently represent an optionally substituted hydrocarbyl group or together represent a bivalent substituted or non-substituted cyclic group whereby the two free valencies are linked to M^2 .

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