

ABSTRACT

A composition is described which comprises at least one chromium compound, at least one aryloxy compound of an element M selected from the group formed by magnesium, calcium, strontium and barium, with general formula $[M(RO)_{2-n}X_n]_y$, in which RO is an aryloxy radical of a derivative ROH containing 6 to 80 carbon atoms, X is a halogen or a hydrocarbyl radical containing 1 to 30 carbon atoms, n is a whole number which may take the values 0 or 1 and y is a whole number in the range 1 to 10, and at least one additive selected from ether type compounds, which may or may not be cyclic, introduced in a near-stoichiometric quantity with respect to the element M. Examples of such ether type compounds include diethyl ether, dibutyl ether, diisopropylether, 2-methoxy-2-methylpropane, 2-methoxy-2-methylbutane, 2,5-dihydrofuran, tetrahydrofuran, 2-methoxytetrahydrofuran, 2-methyltetrahydrofuran, 3-methyltetrahydrofuran, 2,3-dihydropyran, tetrahydropyran, 1,3-dioxolane, 1,3-dioxane, 1,4-dioxane, dimethoxyethane, di(2-methoxyethyl)ether and benzofuran