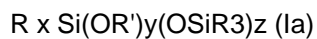


Polymerisation of cycloalkenes

The invention relates to a homogeneous two-component catalyst system consisting of (a) a salt of a transition metal selected from the Group VIb of the Periodic Table; and (b) an organosilicon compound having the formula:



$(R_2SiO)_3$ (Ib) or $(R_3Si)_2NH$ (Ic) wherein R is identical or different and represents a hydrogen atom, a C1-C4 alkyl or phenyl group; R' represents a C1-C4 alkyl or phenyl group; $0 < x \leq 3$; $0 \leq y < 4$; $z=0$ or 1 ; $y+z \leq 1$; $x+y+z=4$; and wherein the molar ratio of component (b) to component (a) is at least about 0.5:1. Such a catalyst system is useful for the catalysis of cycloalkenes to saturated polycyclic oligomers.
