

ABSTRACTNOVEL CARBAMATES, THEIR PRODUCTION AND THEIR USE AS FUELS ADDITIVES

A process for the production of a carbamate having the formula:-



wherein X and Y are independently either hydrogen, a hydrocarbyl group or a hetero-substituted hydrocarbyl group or the group of formula:-



wherein Z is either a divalent hydrocarbyl, a substituted hydrocarbyl group or the group of formula:-



in which $n = 0$ to 4 and $m = 1$ to 4, and

R is a hydrocarbyl or substituted hydrocarbyl group, provided that if either one of X or Y is the group of formula (II), the other of X or Y is hydrogen,

which process comprises reacting a compound of the formula:-



wherein X and Y are independently either hydrogen, a hydrocarbyl group or a hetero-substituted hydrocarbyl group with a dihydrocarbyl carbonate having the formula:-



wherein independently R is as defined above

in the presence as catalyst of a strong organic base and in the proportions necessary to produce either a mono-carbamate or a bis-carbamate.