

Title (en)
PROCESS FOR THE PREPARATION OF DIALKOXYPHOSPHONO ALKYL CARBAMATES

Publication
EP 0000531 B1 19800723 (DE)

Application
EP 78100416 A 19780718

Priority
DE 2734454 A 19770730

Abstract (en)
[origin: EP0000531A1] 1. Process for the preparation of dialkoxyphosphonoalkylcarbamates of the formula see diagramm : EP0000531,P5,F5 in which R1 and R2 are identical or different alkyl radicals having from 1 to 4 carbon atoms, R3 is hydrogen or the CH3 group, R4 is hydrogen, (C1-4) alkyl or the group see diagramm : EP0000531,P5,F7 in which A is (C2-4) alkylene, n is 1 or 2, by reacting dialkylphosphites of the formula see diagramm : EP0000531,P6,F1 in which R1 and R2 are defined as in the formula I, with alkenylcarbamates of the formula see diagramm : EP0000531,P6,F2 in which R3 and n are defined as in the formula I and R'4 is hydrogen, (C1-4)alkyl or the group see diagramm : EP0000531,P6,F3 in which A, n and R3 are defined as in the formulae I and II, at elevated temperature and in the presence of peroxides as catalysts, which comprises using the dialkylphosphites III and the alkenylcarbamates IV, if R'4 is hydrogen or a (C1-4)alkyl group, in a molar ratio of 1 : 1 or, if R'4 in the alkenylcarbamates IV is the group V, in a molar ratio of 2:1.

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C07F 9/40

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