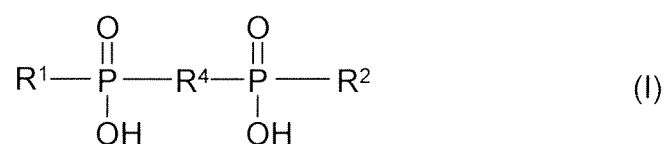


Abstract

Mixtures of diphosphinic acids and alkylphosphinic acids, a process for preparation thereof and use thereof

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The invention relates to mixtures of at least one diphosphinic acid of the formula (I)



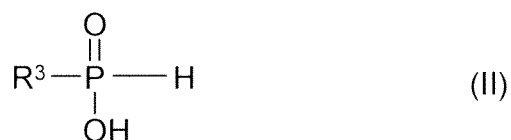
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in which

R^1, R^2 are each H, $\text{C}_1\text{-C}_{18}\text{-alkyl}$, $\text{C}_2\text{-C}_{18}\text{-alkenyl}$, $\text{C}_6\text{-C}_{18}\text{-aryl}$, $\text{C}_7\text{-C}_{18}\text{-alkylaryl}$

R^4 is $\text{C}_1\text{-C}_{18}\text{-alkylene}$, $\text{C}_2\text{-C}_{18}\text{-alkenylene}$, $\text{C}_6\text{-C}_{18}\text{-arylene}$, $\text{C}_7\text{-C}_{18}\text{-alkylarylene}$

15 with at least one alkylphosphinic acid of the formula (II)



in which

20 R^3 is $\text{C}_1\text{-C}_{18}\text{-alkyl}$, $\text{C}_2\text{-C}_{18}\text{-alkenyl}$, $\text{C}_6\text{-C}_{18}\text{-aryl}$, $\text{C}_7\text{-C}_{18}\text{-alkylaryl}$.

The invention also relates to a process for preparing these mixtures and to the use thereof.