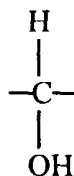


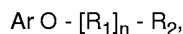
R₁ is

5



10

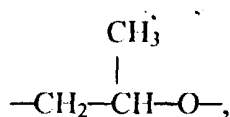
and n = 3 - 8, preferably 4 - 6,
a compound having the general formula



15

where Ar is an optionally substituted benzene radical or naphthalene radical, R₁ is an oxyethylene group, —CH₂CH₂O—, or an oxypropylene group,

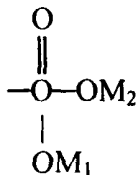
20



25

an oxyethylene chain or an oxypropylene chain containing not more than 15 oxyethylene groups or oxypropylene groups, or a combination of oxyethylene groups and oxypropylene groups in a chain, the sum of said groups being not more than 15; the mean value η for n is 1 - 15 and R₂ is hydrogen or a phosphate group having the formula

30



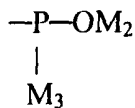
35

in which M₁ and M₂ are a hydrogen ion or alkali-metal ion, or in which R₂ is a group having the formula

40



45



50

in which M₂ has the abovementioned meaning and M₃ is —[R₁]_n—O Ar, R₁, n and Ar having the abovementioned meaning,

55

ketones, aliphatic and/or aromatic carboxamides such as formamide, acetamide, propionamide, butyramide, methacrylamide or benzamide, an acid containing at least one SH group or a salt of such an acid, for example a mercaptosulphonic acid or a mercaptocarboxylic acid, as additive for hydraulically setting mortars.

2. Use according to claim 1, wherein, in step b) additional compound I is added only after free sulphonating agent III