

Title (en)
TEXTILE FINISHING AGENT AND PROCESS FOR ITS PREPARATION AND USE

Publication
EP 0013388 A3 19810218 (DE)

Application
EP 79105252 A 19791218

Priority
US 81579 A 19790104

Abstract (en)
[origin: US4207073A] A process for the preparation of a textile finish, the textile finish thus obtained and its use for the easy-care finishing of textiles containing, or consisting of, cellulose. The textile finish comprises an aqueous solution, of from 30 to 70 percent strength by weight, of a mixture of the conventionally formaldehyde-methylolated carbamates I and II <IMAGE> I <IMAGE> II where R1 is hydrogen or alkyl of 1 to 4 carbon atoms and R2 and R3 are hydrogen, or one is hydrogen and the other is methyl, in the weight ratio I:II of from 12:1 to 1:20. The textile finish is prepared by reacting a glycol or an alkylglycol of the formulae III and IV R1(OCH2CH2)9-100 OH III <IMAGE> IV where R1, R2 and R3 have the above meanings, with urea at above 100 DEG C., so as to eliminate ammonia and give carbamates, and subsequent conventional methylation with formaldehyde, wherein, in a first stage, the glycol or alkylglycol of the formula III is reacted to the extent of at least 50% with urea, in the absence of a catalyst, at from 130 DEG to 160 DEG C., to give the carbamate I, and in a second stage, carried out either in the presence of an ion exchanger, containing nickel ions, as the catalyst, at from 130 DEG to 165 DEG C., or in the absence of a catalyst at from 150 DEG to 200 DEG C., the carbamate mixture in the weight ratio I:II of from 12:1 to 1:20, is prepared by addition of the glycol or alkylglycol of the formula IV and further urea.

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Cited by
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