

Title (en)  
USE OF A COMBINATION OF NON-IONIC SURFACE-ACTIVE AGENTS.

Title (de)  
VERWENDUNG EINER KOMBINATION NICHTIONISCHER TENSIDE.

Title (fr)  
UTILISATION D'UNE COMBINAISON DE TENSIO-ACTIFS NON IONIQUES.

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Application  
**EP 91901279 A 19901213**

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Abstract (en)  
[origin: CA2072009A1] D 8376 - 21 USE OF A COMBINATION OF NON-IONIC SURFACTANTS The present invention relates to the use of a combination of non-ionic surfactants, containing (a) at least one alk(en)yl-ethoxylate having the general formula (I)  $R_1-O(CH_2CH_2O)_n-H$  (I) wherein  $R_1$  represents a linear or branched alkyl group or alkenyl group having from 6 to 18 carbon atoms or a cyclic alkyl group having from 5 to 6 carbon atoms and  $n$  represents a number within the range of from 2 to 12, and (b) at least one alk(en)yl-ethoxylate-propoxylate having the general formula (II)  $R_2-O-(CH_2CH_2O)_p-A-H$  (II) wherein  $R_2$  represents a linear or branched alkyl group or alkenyl group having from 6 to 18 carbon atoms or a cyclic alkyl group having from 5 to 6 carbon atoms,  $p$  represents a number within the range of from 2 to 10, and  $A$  represents a group of the type  $-(CH_2-CH(CH_3)-O)_q-$  and  $-(CH(CH_3)-CH_2-O)_r-$ , with the sum  $(q + r)$  being a number within the range of from 2 to 8, while the ratio by weight of the components  $a : b$  is within the range of from 10 : 1 to 1 : 10, for cleaning hard surfaces.

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IPC 8 full level  
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