

Title (en)
Cleaning compositions and their use

Title (de)
Reinigungsmittel und deren Verwendung

Title (fr)
Compositions nettoyantes et leur utilisation

Publication
EP 0994178 B1 20030205 (DE)

Application
EP 99120336 A 19991012

Priority
DE 19847498 A 19981015

Abstract (en)
[origin: EP0994178A1] Detergent comprises (a) 0.1-30 wt.% ether-carboxylate(s) (I), (b) 0.1-40 wt.% alk(en)yl- or phenyl-ethoxylate terminated with alk(en)yl or phenyl glycercyl ether (II) and (c) 0.01-20 wt.% N-alkylpyrrolidone(s) (III), with an (un)saturated, linear or branched 6-18 C alkyl group, in aqueous solution. Detergent comprises (a) 0.1-30 wt.% ether-carboxylate(s) of formula (I), (b) 0.1-40 wt.% alk(en)yl- or phenyl-ethoxylate terminated with alk(en)yl or phenyl glycercyl ether of formula (II) and (c) 0.01-20 wt.% N-alkylpyrrolidone(s) (III), with an (un)saturated, linear or branched 6-18 carbon (C) alkyl group, in aqueous solution; R<1><O-CH₂-CH₂-k-OCH₂COOM (I) R<2><O-CH₂-CH₂-m-CH₂-CH(OH)-CH₂-RO<3> (II) k = 0-12; m = 1-40; R<1> = (un)saturated, linear or branched 4-18 C alkyl or 10-18 C phenylalkyl; M = a mono-, di- or trivalent metal cation and/or a proton (H<+>); R<2>, R<3> = (un)saturated, linear or branched 3-18 C alkyl or 10-18 C phenylalkyl. An Independent claim is also included for application solutions of the detergent in aqueous or aqueous-alcoholic solution.

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IPC 8 full level
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Cited by
WO2004018599A1; CN105154253A; CN108410594A; AU2003259326B2; EP2438904A1; US2009123449A1; WO2004074417A1; US7696143B2; US8343905B2; US9271909B2; EP1139761B1; WO2007141067A1; WO2012045768A1

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