

Title (en)
ALKALINE LIQUID DETERGENT COMPOSITIONS

Title (de)
ALKALISCHE FLÜSSIGREINIGUNGSZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DÉTERGENTES LIQUIDES ALCALINES

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Application
EP 12700850 A 20120123

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Abstract (en)
[origin: WO2012104159A1] An aqueous alkaline isotropic concentrated detergent liquid composition with an undiluted pH of at least 7.8 and at most 9 comprising: a) 10 to 60 wt% non-soap surfactant, b) 0 to 20 wt% hydrotrope, c) 0 to 4 wt% soap, d) 0 to 10 wt% nonionic EPEI, e) at least 1 wt% triethanolamine, characterised in that dissolved in the alkaline isotropic liquid there is: f) at least 1 wt%, preferably at least 1.5 wt% of a polyester substantive nonionic soil release polymer of the type E-M-L-E, where the midblock M is connected to a generally hydrophilic end block E and blocks E each comprise capped oligomers of polyethylene glycol remote from the midblock, with at least 10 EO repeat units, the end blocks being free from ester bonds, either directly or via linking moiety L which comprises the motif: B-Ar-B where B is selected from urethane, amide and ester moieties and Ar is, 4 phenylene, and midblock M comprises the motif: wherein R1 and R2 may be the same or different selected from C1-C4 alkyl, C1-C4 alkoxy and Hydrogen, provided that R1 and R2 may not both be hydrogen, n is at least 2, preferably more than 5, the ester bonds may be 2 formed the other way around (not shown), if they are so reversed then all of them will be so reversed, G3107 (C) CPL -78- wherein the composition comprising the polymer provides soil release less than a ?E of 5 with DMO on woven polyester after storage of the polymer in the detergent composition at 60 °C for 8 days at a pH >7.5.

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