

Title (en)

PROCESS FOR MANUFACTURING A POWDER WASHING OR CLEANING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PULVERFÖRMIGEN WASCH- ODER REINIGUNGSMITTELS

Title (fr)

PROCEDE DE FABRICATION D'UN DETERGENT OU NETTOYANT EN POUDRE

Publication

EP 0815196 A1 19980107 (DE)

Application

EP 96906756 A 19960308

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Abstract (en)

[origin: WO9629389A1] The invention concerns the production of compressed washing or cleaning agents of high apparent density: a pre-mixture of washing agent components containing anionic surfactants, non-ionic surfactants, builders, and (optionally) alkalisation agents is produced and compressed; more than 50 wt.% of the non-ionic surfactants are fatty acid alkylester alkoxylates of formula (I): $R_{<1>-CO_2-(AO)_m-R_{<2>}$, (II): $R_{<2>-CO_2-(AO)_m-R_{<1>}$ or (III), in which: $R_{<1>}$ stands for a branched or straight-chain, saturated or unsaturated alkyl group with 5-21 carbon atoms; $R_{<2>}$ stands for hydrogen or a straight-chain or branched alkyl group with 1-6 carbon atoms; $R_{<3>}$, $R_{<4>}$ and $R_{<5>}$ can be identical or different and can stand for hydrogen or the group (a) shown, in which $R_{<6>}$ can be a branched or straight-chain, saturated or unsaturated alkyl group with 5-21 carbon atoms; (a condition is that $R_{<3>}$, $R_{<4>}$ and $R_{<5>}$ may not all be hydrogen); AO stands for a C2-C4 alkylene oxide unit; m, n, o and p can be identical or different and stand for a number between 1 and 60, preferably 1 and 30, in particular 3 and 12. The process yields washing and cleaning agents of high pouring density and good solubility, without any deterioration in washing power.

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IPC 8 full level

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Citation (search report)

See references of WO 9629389A1

Cited by

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