

Title (en)
GRANULAR LAUNDRY DETERGENT AND DETERGENT BUILDER

Title (de)
KÖRNIGES WASCHMITTEL UND WASCHMITTELBUILDER

Title (fr)
DETERGENT DE BLANCHISSAGE EN POUDRE ET ADJUVANT DE DETERGENT

Publication
EP 0617733 B1 19970423 (EN)

Application
EP 92925246 A 19921117

Priority

- US 9209854 W 19921117
- US 81019791 A 19911219
- US 85160092 A 19920316
- US 87828192 A 19920504

Abstract (en)
[origin: WO9312217A1] A phosphate-free granular laundry detergent having a cleaning performance comparable to that of a premium phosphate-containing laundry detergent comprises: (A) 1-30 % by weight of a surfactant, (B) 1-50 % by weight of a sodium aluminum silicate detergent builder, (C) 1-20 % by weight of sodium silicate, (D) 0.1-5 % by weight of an anti-redeposition agent, and (E) 10-80 % by weight of inorganic filler, the surfactant consisting of: (1) a mixture of 20-98 % by weight of an ethoxylated fatty alcohol, 1-75 % by weight of an alkali metal or ammonium salt of an alkylbenzene sulfonate in which the alkyl group contains 10-18 carbons, and 1-20 % by weight of an amine oxide corresponding to the formula RR'R"NO in which R is a primary alkyl group containing 8-24 carbons; R' is methyl, ethyl, or 2-hydroxyethyl; and R" is independently selected from methyl, ethyl, 2-hydroxyethyl, and primary alkyl groups containing 8-24 carbons, or (2) a mixture of 85-98 % by weight of the ethoxylate, 1-12 % by weight of a fatty acid soap, and 1-6 % by weight of the amine oxide.

IPC 1-7
C11D 3/12; **C11D 1/75**

IPC 8 full level
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CPC (source: EP)
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