Title (en)

GRANULAR, PHOSPHATE-FREE ADDITIVE CONTAINING NON-IONIC SURFACE-ACTIVE AGENTS FOR WASHING AND CLEANING AGENTS

Title (de)

GRANULARES, NICHTIONISCHE TENSIDE ENTHALTENDES, PHOSPHATFREIES ADDITIV FÜR WASCH- UND REINIGUNGSMITTEL

Title (fr)

ADDITIF GRANULAIRE SANS PHOSPHATE CONTENANT DES TENSIOACTIFS NON IONIQUES POUR PRODUITS DE LAVAGE ET DETERGENTS

Publication

EP 0633923 B1 19960124 (DE)

Application

EP 93906534 A 19930315

Priority

- DE 4209435 A 19920324
- EP 9300596 W 19930315

Abstract (en)

[origin: WO9319151A1] The aim is to produce an additive for granular and phosphate-free washing and cleaning agents, which contains non-ionic surface-active agents and which has both a better rinsing behaviour and a higher self-ignition temperature, i.e. lower combustibility. This is achieved with a granular, phosphate-free additive which contains: (A) 10-70 % by weight sodium perborate monohydrate with a mean granular size of between 0.2 and 1.2 mm; (B) 25-80 % by weight of a granular mixture with a mean grain size of between 0.2 and 1.2 mm, of which at least 75 % by weight is anorganic and free from peroxygen and contains 45-75 % by weight of synthetic, compact-grained zeolite (in relation to anhydrous substance in component B), 0-30 % by weight sodium sulphate and 1-12 % by weight homopolymer or copolymer carboxylic acid salts; (C) 5-30 % by weight non-ionic surface active agents bonded to the granular components (A) and (B), (B) containing 2-10 % by weight (in relation to the anhydrous substance in component B) of a layered silicate.

IPC 1-7

C11D 3/39; C11D 3/08; C11D 3/12

IPC 8 full level

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