

Title (en)

Process for preparing zeolite based spray-dried detergent compositions

Title (de)

Verfahren zur Herstellung von sprühgetrockneten Waschmittelzusammensetzungen auf Zeolithbasis

Title (fr)

Procédé de préparation de compositions détergentes séchées par pulvérisation à base de zéolithe

Publication

EP 0520582 B1 19980204 (EN)

Application

EP 92201881 A 19920624

Priority

US 72314691 A 19910628

Abstract (en)

[origin: EP0520582A1] A process for producing a free-flowing, zeolite-containing spray-dried particulate detergent composition is described, said detergent composition having improved particle mechanical strength and integrity concomitant with high solubility characteristics such that the amount of visible residue deposited on fabrics laundered with such detergent composition is significantly minimized comprising the steps of: (a) forming an aqueous crutcher slurry containing (i) at least about 5%, by weight, of a zeolite; (ii) an effective amount of a defined bead strengthening agent; and (iii) from about 0 to 50%, by weight, of a supplementary detergent builder; said crutcher slurry being essentially free of sodium silicate and bentonite and containing less than about 3%, by weight, of anionic and/or nonionic surface active detergent compounds, all percentages being based on the solids content of the slurry, in the absence of water; (b) spray-drying the crutcher slurry of step (a) to produce spray-dried particles; and (c) applying one or more anionic, nonionic and/or cationic surface active detergent compounds to the spray-dried particles. d

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IPC 8 full level

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