

Title (en)  
LAUNDRY DETERGENT COMPOSITION

Title (de)  
WÄSCHEWASCHMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE DÉTERGENT POUR LESSIVE

Publication  
**EP 3301158 A1 20180404 (EN)**

Application  
**EP 17194533 A 20171003**

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Abstract (en)

The present invention relates to a solid free flowing particulate laundry detergent composition comprising: (a) anionic deterative surfactant; (b) from 0wt% to 8wt% zeolite builder; (c) from 0wt% to 4wt% phosphate builder; (d) from 0wt% to 8wt% sodium carbonate; (e) from 0wt% to 8wt% sodium silicate; (f) from 4wt% to 20wt% organic acid; and (g) alkoxylated polyalkyleneimine, wherein said alkoxylated polyalkyleneimine has a polyalkyleneimine core with one or more side chains bonded to at least one nitrogen atom in the polyalkyleneimine core, wherein said alkoxylated polyalkyleneimine has an empirical formula (I) of (PEI) a -(EO) b -R 1, wherein a is the average number-average molecular weight (MW PEI) of the polyalkyleneimine core of the alkoxylated polyalkyleneimine and is in the range of from 100 to 100,000 Daltons, wherein b is the average degree of ethoxylation in said one or more side chains of the alkoxylated polyalkyleneimine and is in the range of from 5 to 40, and wherein R 1 is independently selected from the group consisting of hydrogen, C 1 -C 4 alkyls, and combinations thereof, wherein the composition at 1wt% dilution in deionized water at 20 °C, has an equilibrium pH in the range of from 6.5 to 9.0, wherein the composition comprises from 30wt% to 90wt % base detergent particle, wherein the base detergent particle comprising (by weight of the base detergent particle): (a) from 4wt% to 35wt% anionic deterative surfactant; (b) optionally, from 1wt% to 8wt% zeolite builder; (c) from 0wt% to 4wt% phosphate builder; (d) from 0wt% to 8wt% sodium carbonate; (e) from 0wt% to 8wt% sodium silicate; (f) from 1wt% to 10wt% organic acid; and (g) optionally, from 1wt% to 10wt% magnesium sulphate.

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Citation (search report)

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