Title (en)

GRANULAR DETERGENTS WITH A LOW PHOSPHATE CONTENT, AND METHOD FOR THEIR PREPARATION

Publication

EP 0139547 B1 19870401 (FR)

Application

EP 84401588 A 19840727

Priority

FR 8315306 A 19830927

Abstract (en)

[origin: EP0139547A1] 1. A method of preparing granular detergents with a low phosphate content, that is with a content of between 10% and 25% of sodium tripolyphosphate and a combined content of sodium orthophosphate and of sodium pyrophosphate of less than about 2% by weight and preferably less than about 1% by weight, and containing non-ionic surface active agents amounting to about 10% by weight of the whole composition, the method comprising forming an essentially hot aqueous suspension with thermostable constituents, drying the suspension in an atomising tower, mixing the atomised base with sodium tripolyphosphate and the other thermosensitive constituents, and then agglomerating the solid components by pulverisation with the assistance of a non-ionic surface active agent until there are obtained essentially homogeneous granules with little tendency to glutination, and the method being characterised in that the whole of the sodium tripolyphosphate is not subjected to the phases of hot aqueous suspension or atomisation, and in that, during the agglomeration phase, the temperature of the non-ionic surface active agent is between 25 degrees C and 80 degrees C, and preferably between 50 degrees C and 70 degrees C.

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CPC (source: EP)

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Cited by

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