

Title (en)

Structuring liquid nonionic surfactants prior to granulation process.

Title (de)

Strukturierung von flüssigen nichtionischen Tensiden vor der Granulierung.

Title (fr)

Structuration des tensioactifs liquides non-ioniques avant la granulation.

Publication

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Application

EP 93870075 A 19930430

Priority

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Abstract (en)

A process for making a granular laundry detergent component or composition having a bulk density of at least 650 g/l, by dissolving a structuring agent in a nonionic surfactant, said structuring agent comprising a polymer, to form a pumpable premix and finely dispersing said premix with an effective amount of powder at a given operating temperature wherein the premix has a viscosity of at least 350 mPas when measured at said operating temperature and at a shear rate of 25s⁻¹. Preferred structurants comprise polymers having more than one functional hydroxyl group, especially polyvinyl alcohols, polyhydroxyacrylic acid polymers, and polymers such as polyvinyl pyrrolidone and PVNO, as well as sugars, artificial sweeteners and their derivatives. The premix is then processed into a granular detergent by any suitable process. Fine dispersion mixing, agglomeration, or spraying the premix onto a granular base product are preferred. Another aspect of the present invention is components or compositions comprising nonionic surfactant and structuring agents.

IPC 1-7

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IPC 8 full level

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Citation (search report)

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