

Title (en)

DISHWASHING DETERGENT COMPOSITIONS CONTAINING MIXTURES OF CRYSTALLINITY-DISRUPTED SURFACTANTS

Title (de)

GESCHIRREINIGUNGSMITTELZUSAMMENSETZUNGEN MIT GEMISCHEN VON KRISTALLINITÄTSZERSTÖRTEN TENSIDEN

Title (fr)

COMPOSITIONS DE DETERGENTS VAISSELLE CONTENANT DES MELANGES DE TENSIOACTIFS A RUPTURE DE CRISTALLINITE

Publication

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Application

**EP 99968483 A 19991215**

Priority

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Abstract (en)

[origin: WO0043476A2] A hand dishwashing compositions comprising: a) about 0.1 % to about 99.9 % by weight of said composition of an alkylarylsulfonate surfactant system comprising from about 10 % to about 100 % by weight of said surfactant system of two or more crystallinity-disrupted alkylarylsulfonate surfactants of formula (B-Ar-D)<sub>a</sub>(M<q+>)<sub>b</sub> wherein D is SO<sub>3</sub><->, M is a cation or cation mixture, q is the valence of said cation, a and b are numbers selected such that said composition is electroneutral; Ar is selected from benzene, toluene, and combinations thereof; and B comprises the sum of at least one primary hydrocarbyl moiety containing from 5 to 20 carbon atoms and one or more crystallinity-disrupting moieties, wherein said crystallinity-disrupting moieties interrupt or branch from said hydrocarbyl moiety; and wherein said alkylarylsulfonate surfactant system has crystallinity disruption to the extent that its Sodium Critical Solubility Temperature, as measured by the CST Test, is no more than about 40 DEG C; and wherein further said alkylarylsulfonate surfactant system has at least one of the following properties: percentage biodegradation, as measured by the modified SCAS test, that exceeds tetrapropylene benzene sulfonate; and weight ratio of nonquaternary to quaternary carbon atoms in B of at least about 5:1; and b) from about 0.00001 % to about 99.9 % by weight of said composition of a conventional hand dishwashing adjunct; c) from about 0.01 % to about 7 % by weight of composition of a divalent ion selected from the group consisting of magnesium, calcium and mixtures thereof.

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IPC 8 full level

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