

Title (en)
HIGH-DENSITY DETERGENT COMPOSITION

Title (de)
WASCHMITTELZUSAMMENSETZUNG MIT HOHEM SCHÜTTGEWICHT

Title (fr)
COMPOSITION DE DETERGENT HAUTE DENSITE

Publication
EP 1146114 A9 20011212 (EN)

Application
EP 00900385 A 20000114

Priority
• JP 0000145 W 20000114
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Abstract (en)
[origin: EP1146114A1] A high-density detergent composition which has excellent detergency even when used in a washing machine operated at a low power, and which is excellent not only in particle solubility and dispersibility but in solubility in laundering by hand. The composition contains 10 to 60 wt.% surfactant composition comprising an anionic surfactant and a nonionic surfactant in a ratio of 4/10 to 10/0 by weight and has a bulk density of 600 to 1,200 g/L. It satisfies the relationship $S(W_i.V_i)=95$ (%), wherein W_i is the weight frequency of each of the groups of particles obtained by classifying the detergent particles with a classifier comprising sieves respectively having opening sizes of 2,000, 1,410, 1,000, 710, 500, 355, 250, 180, and 125 μm and receiver pans and V_i is the solubility of each group of particles as determined under the following measurement conditions. The weight frequency of the group of particles smaller than 125 μm is 0.1 or lower. ÅMeasurement conditions: 1.000 \pm 0.010 g of a sample is added to 1.00 \pm 0.03 L of water having a temperature of 5 \pm 0.5 DEG C and a hardness of 4 DEG DH. The mixture is stirred in a 1-L beaker for 120 seconds at a rotational speed of 800 rpm. The residual particles are taken out by filtration with a standard sieve provided for in JIS Z 8801.Ü

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C11D 17/06; **C11D 11/00**

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