

Title (en)
DISHWASHER RINSE AID

Title (de)
MASCHINELLES GESCHIRRSPÜLMITTEL

Title (fr)
PRODUITS DE LAVAGE POUR LAVE-VAISSELLE

Publication
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Application
EP 05700894 A 20050112

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Abstract (en)
[origin: WO2005097957A1] The invention relates to dishwasher rinse aid containing between 0.5 and 12 wt. % of a surfactant system comprising c) at least one non-ionic surfactant F of general formula: $R_{<1>-CH(OH)CH_2O-(AO)_w(A'O)_X(A''O)_y-(A'''O)_z,-R_{<2>,< >}$ wherein $R_{<1>}$ represents a linear or branched, saturated or monounsaturated or polyunsaturated C6-24 alkyl or alkenyl radical, $R_{<2>}$ represents a linear or branched hydrocarbon radical containing between 2 and 26 carbon atoms, A, A', A'' and A''' independently represent a radical from the group -CH₂CH₂, -CH₂CH₂-CH₂, -CH₂-CH(CH₃), -CH₂-CH₂-CH₂-CH₂, -CH₂-CH(CH₃)-CH₂-, -CH₂-CH(CH₂-CH₃), w, x, y and z represent values between 0.5 and 25, and x, y and/or z can also be 0; and d) at least one non-ionic surfactant G of general formula: $R_{<1>-O-(AO)_w(A'O)_x(A''O)_Y(A'''O)_z,-R_{<2>,< >}$ wherein $R_{<1>}$ represents a linear or branched, saturated or monounsaturated or polyunsaturated C6-24 alkyl or alkenyl radical, $R_{<2>}$ represents H or a linear or branch hydrocarbon radical containing between 2 and 26 carbon atoms, A, A', A'' and A''' independently represent a radical from the group -CH₂CH₂, -CH₂CH₂-CH₂, -CH₂-CH(CH₃), -CH₂-CH₂-CH₂-CH₂, -CH₂-CH(CH₃)-CH₂-, -CH₂-CH(CH₂-CH₃), w, x, y and z represent values between 0.5 and 25, and y and/or z can also represent 0; said surfactant system containing the non-ionic surfactants F and G in a weight ratio of F:G of between 1:4 and 100:1. The inventive rinse aid is characterised by an improved rinsing performance compared to conventional rinse aid.

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Cited by
US8450261B2; US8389458B2; EP2963100A1; WO2011032868A1

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