

Title (en)

Process for preparing a linear viscoelastic aqueous liquid automatic dishwasher detergent composition.

Title (de)

Verfahren zur Herstellung von einer linearen viskoelastischen wässrig-flüssigen Detergenzusammensetzung für Geschirrspülautomat.

Title (fr)

Procédé de préparation d'une composition détergente liquide aqueuse à visco-élasticité linéaire pour lave-vaisselle automatique.

Publication

EP 0522604 A2 19930113 (EN)

Application

EP 92201086 A 19920416

Priority

US 68689291 A 19910419

Abstract (en)

Automatic dishwasher detergent composition is formulated as a linear viscoelastic, pseudoplastic, gel-like aqueous product of exceptionally good physical stability, low bottle residue, low cup leakage, and improved cleaning performance. Linear viscoelasticity and pseudoplastic behavior is attributed by incorporation of cross-linked high molecular weight polyacrylic acid type thickener. Potassium to sodium weight ratios of at least 1/1 minimize amount of undissolved solid particles to further contribute to stability and pourability. Control of incorporated air bubbles functions to provide the product with a bulk density of 1.35 to 1.40 g/cc which roughly corresponds to the density of the liquid phase. Stearic acid or other fatty acid or salt further improved physical stability.

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EP 0522604 A2 19930113; **EP 0522604 A3 19930714**; AU 1493892 A 19930114; AU 650121 B2 19940609; CA 2066289 A1 19930111; FI 921744 A0 19920416; FI 921744 A 19930111; GR 920100157 A 19930524; IE 921275 A1 19930113; NO 921479 D0 19920414; NO 921479 L 19930111; NZ 242381 A 19950224; PT 100396 A 19930831

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