

Title (en)

High alkalinity liquid automatic dishwasher detergent compositions.

Title (de)

Stark alkalische flüssige Spülmittelzusammensetzungen für Geschirrspülmaschinen.

Title (fr)

Compositions detergentes liquides très alcalines pour le lavage automatique de vaisselle.

Publication

EP 0345611 A2 19891213 (EN)

Application

EP 89109765 A 19890530

Priority

US 20447688 A 19880609

Abstract (en)

The physical stability of liquid gel-like compositions based on montmorillonite, attapulgite, hectorite or other inorganic colloid-forming clay or other thixotropic thickener, and small amounts, such as 0.1 to 0.2 weight percent, of calcium, magnesium, aluminium or zinc stearate or other polyvalent metal salt of long chain fatty acid is greatly improved by increasing the alkalinity level to such an extent that when the composition is added to an aqueous wash bath at a concentration of about 10 grams per liter the pH of the wash bath becomes at least 11.2. The aqueous compositions preferably also includes chlorine bleach, and the chlorine-bleach loss with time is also reduced in the high alkalinity formulations. Use as liquid gel-like automatic dishwasher compositions are described.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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