

Title (en)

PASTELIKE DETERGENT AND CLEANING AGENT

Title (de)

PASTENFÖRMIGES WASCH- UND REINIGUNGSMITTEL

Title (fr)

PRODUIT DETERGENT ET NETTOYANT A L'ETAT PATEUX

Publication

EP 0954559 B1 20021023 (DE)

Application

EP 98907965 A 19980121

Priority

- DE 19703364 A 19970130
- EP 9800299 W 19980121

Abstract (en)

[origin: US6329333B1] A paste-form detergent and process of making the detergent is presented. The detergent is composed of: 5 to 30 percent by weight of an ethoxylated alcohol of the formula $R_1-(OC_2H_4)_m-OH$ where R_1 is an alkyl or alkenyl group containing 9 to 15 carbon atoms and the average degree of ethoxylation m is 1 to 8; 1 to 20 percent by weight of an ethoxylated alcohol of the formula $R_2-(OC_2H_4)_n-OH$ where R_2 is an alkyl or alkenyl group containing 12 to 22 carbon atoms and the average degree of ethoxylation n is 3 to 14, and n is greater than m by at least 1.0; 1 to 20 percent by weight of an alcohol or alkyl ether corresponding to the formula R_3-O-R_4 where R_3 is an alkyl or alkenyl group containing 6 to 22 carbon atoms and R_4 is hydrogen or an alkyl group containing 1 to 6 carbon atoms; 20 to 80 percent by weight of an alkalizing agent, and 0 to 15 percent by weight of an organic builder. The paste-form detergent is useful in institutional laundries and results in a reduced tendency to foam at the rinsing and pressing stage.

IPC 1-7

C11D 17/04; **C11D 1/722**

IPC 8 full level

C11D 1/722 (2006.01); **C11D 1/825** (2006.01); **C11D 1/83** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)

C11D 1/8255 (2013.01 - EP US); **C11D 1/8305** (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US); **C11D 10/04** (2013.01 - EP US); **C11D 17/003** (2013.01 - EP US); **C11D 1/04** (2013.01 - EP US); **C11D 1/146** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/29** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US)

Citation (examination)

WO 9810049 A1 19980312 - HENKEL ECOLAB GMBH & CO OHG [DE], et al

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