

Title (en)

Liquid washing agent with a content of discolouration inhibiting additives.

Title (de)

Flüssiges Waschmittel mit einem Gehalt an verfärbungsinhibierenden Zusätzen.

Title (fr)

Agent de lavage liquide avec une teneur en additifs inhibant le changement de couleur.

Publication

EP 0044003 A1 19820120 (DE)

Application

EP 81105166 A 19810703

Priority

DE 3026090 A 19800710

Abstract (en)

1. A liquid detergent containing a) from 5 to 18 % by weight of an alkyl polyglycol ether corresponding to the following formula see diagramm : EP0044003,P5,F1 in which R**1 is a straight-chain alkyl group and from 20 to 75 % by weight of R**2, based on the alcohol on which the alkyl polyglycol ether is based, is a C1 -C4 alkyl group and the remainder is hydrogen, the total number of carbon atoms in R**1 and R**2 amounting to between 11 and 15, and n has a value of from 5 to 9, n being selected in such a way that the ethylene oxide content of the alkyl polyglycol ether amounts to between 50 and 65 % by weight, b) from 5 to 18 % by weight of an alkyl polyglycol ether corresponding to formula I, in which R**1 is a straight-chain alkyl group and R**2 is either hydrogen of from 20 to 75 % by weight of R**2, based on the alcohol on which the alkyl polyglycol ether is based, is a C1 -C4 alkyl group and the remainder is hydrogen, the total number of carbon atoms in R**1 and R**2 amounting to between 6 and 10, and n has a value of from 3 to 8, n being selected in such a way that the ethylene oxide content of the alkyl polyglycol ether amounts to between 55 and 70 % by weight, c) from 1 to 10 % by weight and preferably from 2 to 6 % by weight of a fabric-softening quaternary ammonium salt selected from the derivatives of ammonia and/or imidazoline preferably containing 2 long-chain aliphatic radicals in the molecule, the weight ratio of a) to b) preferably amounting to between 2:1 and 1:2, characterized in that it additionally contains d) up to 50 % by weight, based on the quantity of components a) and b), of a cationic starch ether containing ammonium groups, the quantitative ratio of c) to d) preferably amounting to between 3:1 and 1:3.

Abstract (de)

Das auf zwei verschiedenen nichtionischen Tensiden, von denen eines ein ethoxylierter Oxoalkohol (C13-C15) mit 55 - 65 Gew.-% Ethylenoxid und das andere ein ethoxylierter Oxo- oder Fettalkohol (C9-C12) mit 60 - 70 Gew.-% Ethyloxid ist, und wäscheweichmachenden quartären Ammoniumverbindungen basierende flüssige Waschmittel enthält kationische Stärkeether als Verfärbungsinhibitoren. Die eingesetzten kationischen Stärkeether werden durch Umsetzung von Stärke mit 2,3-Epoxypropyltrimethylammoniumsalzen erhalten. Verwendbar ist z.B. das Kartoffelstärkederivat Empresol N (Fa. Emsland-Stärke GmbH) mit tertiären und quartären N-Atomen und gleichmäßig über die ganze Stärkekette verteilter kationischer Ladung.

IPC 1-7

C11D 1/835; C11D 3/382; C11D 17/00

IPC 8 full level

C11D 1/835 (2006.01); **C11D 3/00** (2006.01); **C11D 3/22** (2006.01); **C11D 3/382** (2006.01); **C11D 17/00** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

C11D 1/8355 (2013.01); **C11D 3/0021** (2013.01); **C11D 3/227** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)

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