

Title (en)  
LIQUID DETERGENT FOR HARD SURFACES

Publication  
**EP 0373349 A3 19900711 (DE)**

Application  
**EP 89120518 A 19891106**

Priority  
DE 3838533 A 19881114

Abstract (en)  
[origin: EP0373349A2] A liquid cleansing agent with improved detergency for hard surfaces contains 0.02 to 40 wt.% of a mixture of anionic tensides consisting of (a) sulphated hydroxyalkylpolyethylene glycol ethers or hydroxyalkylpolypropylene glycol ethers of general formula  $R_{<1>-}CH(SO_3M)-CH(R_{<3>-})(OCHR_{<4>-}CH_2)_n-OR_{<2>-}$  where  $R_{<1>-} = H$  or C1-16 alkyl;  $R_{<2>-} = C1-22$  alkyl;  $R_{<3>-} = C1-16$  alkyl or preferably H;  $R_{<4>-} = -CH_3$  or preferably H; M = H, ammonium, alkylammonium, alkanolammonium (C1-4) or a univalent metal atom; n = 0-20, and (b) dioctylsulphosuccinates in a mixing ratio of 1:10 to 10:1, as well as organic or inorganic skeleton substances. Preferably, the aqueous solutions of the detergent contain solubilizers such as toluol, xylol or cumol sulphonate, low molecular alcohols or short-chain fatty alcohols and in particular ethers of identical or different polyhydric alcohols (C1-6), in a weight ratio of tenside to solubilizer of 1:0 to 1:2, as well as other usual constituents such as colorants and aromas, preservatives and non-ionic tensides.

IPC 1-7  
**C11D 1/37**

IPC 8 full level  
**C11D 1/12** (2006.01); **C11D 1/29** (2006.01); **C11D 1/37** (2006.01); **C11D 3/43** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP KR)  
**C11D 1/00** (2013.01 - KR); **C11D 1/123** (2013.01 - EP); **C11D 1/29** (2013.01 - EP); **C11D 1/37** (2013.01 - EP)

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• [A] EP 0112044 A1 19840627 - UNILEVER NV [NL]  
• [A] EP 0164894 A2 19851218 - UNILEVER NV [NL]

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ES

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