

Title (en)  
Concentrated surface active compositions

Title (de)  
Konzentrierte grenzflächenaktive Zubereitungen

Title (fr)  
Compositions tensio-actives concentrées

Publication  
**EP 1413623 A1 20040428 (DE)**

Application  
**EP 02023572 A 20021023**

Priority  
EP 02023572 A 20021023

Abstract (en)  
A low-viscosity concentrated liquid agent modifies the boundary layer characteristics of a liquid in contact with a solid e.g. washing-up liquid or hair shampoo. The concentrate contains esp. 25-55 % by weight amphoteric or dual ion tensides and 0.01 to 5% by weight alkaline sulfates. The concentrate is formulated to 100 per cent with additional water and further electrolyte salts. The formulation incorporate amphoteric or dual ion tensides selected from alkylbetaines, alkyl-amido-betaines, amino-propionates, amino-glycinates, imidazolinium-betaines and sulfo-betaines. The formulation incorporates alkylbetaines having formula (I). R1 = 6-22 C alkyl or alkenyl; R2 = hydrogen or 1-4 C alkyl; R3 = 1-4 C alkyl; q1 = 1-6; and Z = alkali, alkaline earth or ammonium

Abstract (de)  
Vorgeschlagen werden konzentrierte grenzflächenaktive Zubereitungen mit geringer Viskosität, enthaltend (a) 25 bis 55 Gew.-% amphotere bzw. zwitterionische Tenside und (b) 0,01 bis 5 Gew.-% Alkalisulfate mit der Maßgabe, dass sich die Mengenangaben mit Wasser sowie gegebenenfalls weiteren Elektrolytsalzen zu 100 Gew.-% ergänzen.

IPC 1-7  
**C11D 1/88**; **C11D 1/90**; **C11D 1/92**; **C11D 3/02**; **C07C 231/12**

IPC 8 full level  
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CPC (source: EP US)  
**C11D 1/88** (2013.01 - EP US); **C11D 1/90** (2013.01 - EP US); **C11D 1/92** (2013.01 - EP US); **C11D 3/046** (2013.01 - EP US); **C11D 11/0094** (2013.01 - EP US)

Citation (search report)  

- [XA] WO 9514076 A1 19950526 - ALBRIGHT & WILSON [GB], et al
- [XA] WO 9325650 A1 19931223 - HENKEL CORP [US]
- [A] WO 9927048 A1 19990603 - COLGATE PALMOLIVE CO [US]
- [A] EP 0656346 A1 19950607 - WITCO SURFACTANTS GMBH [DE]

Citation (third parties)  
Third party :  

- EP 0302329 B1 19920129
- WO 0194524 A2 20011213 - HUNTSMAN INT LLC [US], et al

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