

Title (en)  
LOW-FOAM, COLD-STABLE AQUEOUS DETERGENTS CONTAINING NONIONIC, ANIONIC AND CATIONIC SURFACE ACTIVE AGENTS AND THEIR UTILIZATION

Publication  
**EP 0391392 A3 19910116 (DE)**

Application  
**EP 90106442 A 19900404**

Priority  
DE 3911098 A 19890406

Abstract (en)  
[origin: EP0391392A2] The surfactant compositions are obtained by mixing 1 part by weight of at least one non-ionic surfactant and 0.3 to 9 parts by weight of a specific mixture of water and at least one anionic surfactant and at least one cationic surfactant. They are concentrated, and generally clear, liquids which are distinguished, in particular by favourable foaming and wetting characteristics, low surface tension and low pour point and, by reason of these special properties, can be used for many purposes.

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**C11D 1/00**

IPC 8 full level  
**C09K 23/00** (2022.01); **C09K 23/18** (2022.01); **C11D 1/86** (2006.01); **C11D 1/12** (2006.01); **C11D 1/14** (2006.01); **C11D 1/20** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/44** (2006.01); **C11D 1/52** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01); **C11D 1/74** (2006.01)

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**C11D 1/86** (2013.01 - EP US); **C11D 3/0026** (2013.01 - EP US); **C11D 1/123** (2013.01 - EP US); **C11D 1/14** (2013.01 - EP US); **C11D 1/20** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/29** (2013.01 - EP US); **C11D 1/44** (2013.01 - EP US); **C11D 1/523** (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US); **C11D 1/74** (2013.01 - EP US)

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