

Title (en)  
Aqueous, stable suspensions of water insoluble silicates which are able to bind calcium ions and their use in the production of washing and cleaning agents.

Title (de)  
Wässrige stabile Suspension wasserunlöslicher, zum Binden von Calciumionen befähigter Silikate und deren Verwendung zur Herstellung von Wasch- und Reinigungsmitteln.

Title (fr)  
Suspensions de silicates aqueuses stables, insolubles dans l'eau capables de fixer des ions de calcium et leur utilisation pour la production d'agents de lavage et de nettoyage.

Publication  
**EP 0504564 B1 19940803 (DE)**

Application  
**EP 92101761 A 19920204**

Priority  
DE 4109501 A 19910322

Abstract (en)  
[origin: US5298185A] Aqueous suspensions of a silicate capable of binding calcium ions, containing, based on the total weight of the suspension, a) as silicate, a compound corresponding to Formula I:  $(\text{Cat}_2/\text{nO})_x \cdot \text{Me}_2\text{O}_3 \cdot (\text{SiO}_2)_y(\text{I})$  and B) as dispersing component, a mixture of at least two oxoalcohol ethoxylates corresponding to Formula II  $\text{R}-(\text{OCH}_2\text{CH}_2)_n-\text{OH}(\text{II})$ , wherein  $\text{R}=\text{C}_{10}-\text{C}_{15}$  alkyl having a degree of branching of 0 to 90% linear and 100 to 10% single methyl branches  $n=3-5.25$  mol ethoxy groups in Component 1  $n=5.5-7.0$  mol ethoxy groups in Component 2 C) a polyethylene glycol having an average molecular weight of from 200 to 2000.

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IPC 8 full level  
**B01F 17/42** (2006.01); **C01B 33/26** (2006.01); **C09K 23/42** (2022.01); **C11D 1/72** (2006.01); **C11D 1/825** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 10/02** (2006.01); **C11D 11/00** (2006.01)

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