

Title (en)

Use of a liquid composition for cleaning hard surfaces.

Title (de)

Verwendung eines flüssigen Mittels zur Reinigung harter Oberflächen.

Title (fr)

Utilisation d'une composition liquide pour le nettoyage de surfaces dures.

Publication

EP 0017149 A1 19801015 (DE)

Application

EP 80101581 A 19800326

Priority

DE 2913049 A 19790331

Abstract (en)

1. The use of a liquid composition for cleaning hard surfaces, the composition containing in aqueous or solventcontaining aqueous solution non-ionic surfactants, builders showing an alkaline reaction and water-soluble polymers and essentially consisting of : a) from 0.1 to 10% by weight of the non-ionic surfactants, b) from 0.01 to 2% by weight of the water-soluble polymers which comprise non-ionic, weakly anionic or cationic polymers from the group including polyvinyl alcohols, polyvinyl pyrrolidones, cellulose ethers, polysaccharides, proteins and polyacrylamides with average molecular weights of from 5000 to 10,000,000 and preferably from 20,000 to 2,000,000, or mixtures of these polymers, the quantity in which the polymer b) is present always being below that in which the non-ionic surfactant a) is present, and c) from 0.1 to 10% by weight of the alkaline-reacting inorganic or organic builders, and, in addition, being in the form of a solution in demineralized water or in mixtures of demineralized water and water-miscible organic solvents, with the proviso that no protection is claimed for the use of compositions containing (a) from about 0.05 to about 15% by weight of an anionic, non-ionic, ampholytic or zwitterionic surfactant or mixtures thereof ; (b) from about 0.5 to about 99% by weight of an organic or inorganic builder or mixtures thereof and (c) from about 0.03 to about 5% by weight of a mixture for the improved removal of dirt containing (1) a watersoluble or dispersible non-ionizing primary polymer material, namely (i) polyvinyl alcohols having a degree of hydrolysis of from about 60 to about 100% and a degree of polymerization of from about 100 to about 7000 or (ii) polyvinyl pyrrolidones having a degree of polymerization of from about 50 to about 6000 or (iii) mixtures thereof and (2) an ionizing polysaccharide salt, namely seaweed extracts, plant exudates, seed gums, plant extracts, animal extracts or biosynthetic gums, the ratio by weight of primary polymer material to polysaccharide salt amounting to between about 4:1 and 1:4.

Abstract (de)

Das Reinigungsmittel enthält: a) 0,001 - 35, vorzugsweise 0,01 - 2 Gewichtsprozent eines nichtionischen Tensids, zum Beispiel Oxoalkohol und 7 Mol EO; b) 0,005 - 15, vorzugsweise 0,01 - 2 Gewichtsprozent eines wasserlöslichen nichtionischen, schwach anionischen oder kationischen Polymers aus der Gruppe der Polyethylenglycole, Polyvinylalkohole, Polyvinylpyrrolidone, Celluloseether, Polysaccharide, Proteine und Polyacrylamide mit mittleren Molgewichten von 5000 bis 10 000 000, vorzugsweise 20 000 bis 2 000 000 oder Gemische davon; c) 0,01 - 20, vorzugsweise 0,1 - 10 Gewichtsprozent alkalisch reagierende anorganische oder organische Gerüstsubstanzen; d) 0 - 40, vorzugsweise 0,5 - 15 Gewichtsprozent eines wasserlöslichen oder in Wasser emulgierbaren organischen Lösungsmittels, bevorzugt Isopropylalkohol, Butylglycol, Aceton oder Gemische davon; e) 0 - 20, vorzugsweise 0,5 - 2 Gewichtsprozent anorganische Neutralsalze, Harnstoff, Farbstoffe, Duftstoffe, Konservierungsmittel sowie antimikrobiell wirksame Mittel, bevorzugt quartäre Ammoniumverbindungen, zum Beispiel Benzylalkyldimethylammoniumchlorid und/oder Aldehyd-Kondensationsprodukte. Anwendung als Allzweckreinigungsmittel für Haushalt und Gewerbebetriebe. Die Reinigungswirkung der nichtionischen Tenside wird durch den Zusatz der organischen Polymeren synergistisch gesteigert, so daß sich die sonst übliche Mitverwendung anionischer Tenside, die mit quartären Ammoniumverbindungen unverträglich sind, erübrigt.

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IPC 8 full level

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Citation (search report)

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