

Title (en)

Hydroxy mixed ethers and polymers in form of a solid precompound for washing, rinsing and cleansing agents

Title (de)

Hydroxymischether und Polymere in Form von festen Mitteln als Vorcompound für Wasch-, Spül- und Reinigungsmittel

Title (fr)

Hydroxy-ethers mixtes et polymers en forme de pro-produits solides pour produits de lavage, de rinçage et de nettoyage

Publication

EP 1321509 B1 20070718 (DE)

Application

EP 02027904 A 20021213

Priority

DE 10163856 A 20011222

Abstract (en)

[origin: EP1321509A1] A solid agent comprising a mixed hydroxyether (a), optionally surfactant and polymer (b), and optionally typical additives and adjuvants for washing, rinsing, and cleaning (c) and a carrier (d), where the ratio (a+b+c):d = 1:40 is new. <??>A solid agent comprising a mixed hydroxyether (a), optionally surfactant and polymer (b), and optionally typical additives and adjuvants for washing, rinsing, and cleaning (c) and a carrier (d), where the ratio (a+b+c):d = 1:40 is new. <??>The mixed hydroxyether has the formula (I): <??>where <??>R<1> = linear or branched 2-8C alkyl, <??>R<2> = H, linear or branched 2018C alkyl, <??>R<3> = linear or branched alkyl and/or 1-22C alkenyl, n and n21 = 0 or 1-60 and m = 0 or 0.5-5, with the proviso that the sum of the C atoms in R<1> and R<2> is at least 6 and the sum (n+m+n2) = zero. <??>An Independent claim is included for the preparation of the solid agent as a pre-compound in washing, rinsing, and cleaning agents, where the mixed hydroxyether of formula (I), the polymer, and the surfactant and additives and adjuvants are coated onto an inorganic or organic carrier.

IPC 8 full level

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Cited by

EP2208605A1; WO2012123719A1; WO2009033830A1; WO2006018107A1; US9157050B2; US9617500B2; EP2686411A1

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