

Title (en)
OXIDATION DYEING COMPOSITION FOR KERATINOUS FIBRES WITH A PARTICULAR PARAPHENYLENEDIAMINE DERIVATIVE AND A PARTICULAR DIRECT DYEING AGENT

Title (de)
OXIDATIVES FÄRBEMITTEL FÜR KERATINISCHE FASERN DAS EIN PARAPHENYLENDIAMINDERIVAT UND EINEN DIREKTZIEHENDEN SPEZIFISCHEN FARBSTOFF ENTHÄLT

Title (fr)
COMPOSITION DE TEINTURE D'OXYDATION DES FIBRES KERATINIQUES AVEC UN DERIVE PARTICULIER DE LA PARAPHENYLENEDIAMINE ET UN COLORANT DIRECT PARTICULIER

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Application
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Abstract (en)
[origin: FR2805741A1] Composition for oxidation dyeing of keratinic fibers comprises at least one developer selected from p-phenylenediamine derivatives (I) and at least one synthetic direct dye selected from azo, quinone, triarylmethane, indoamine or azine dyes and/or a natural colorant. Composition for oxidation dyeing of keratinic fibers comprises: (a) at least one developer selected from p-phenylenediamine derivatives of formula (I); and (b) at least one synthetic direct dye selected from azo, quinone, triarylmethane, indoamine or azine dyes and/or a natural colorant: R1 = CH₂(CHOH)₄CH₂OH or (CH₂CH₂O)_pR₄: R₂, R₄ = H, alkyl, aryl or heterocyclyl; p = 2-8; R₃ = halogen, alkyl, aryl, heterocyclyl, heterocyclxyloxy, heterocyclthio, CN, NO₂, OF, COOH, SO₃H, alkoxy, aryloxy, cyanoamino, amino, anilino, ureido, sulfamoylamino, mono- or dialkylsulfamoylamino, alkylthio, arylthio, alkoxycarbonylamino, sulfonamido, carbamoyl, mono- or dialkylcarbamoyl, silyl, silyloxy, aryloxycarbonylamino, imido, sulfinyl, phosphonyl, aryloxycarbonyl, acyl or SH, or multiple R₃ groups can form a 3- to 6-membered ring; alkyl = optionally substituted 1-25C linear, branched or cyclic alkyl; alkoxy = 1-25C linear, branched or cyclic alkoxy; aryl = 6-26C aryl optionally substituted by alkyl, substituted alkyl or alkoxy; heterocyclyl = mono- or polycyclic heterocyclyl in which each ring has 3-6 members and can contain one or more heteroatoms; n = 0-4 alternatively: (a) R₁ and R₂ = (CH₂)₂CHOHCH₂OH; or (b) R₁ = alkyl, aryl or heterocyclyl and R₂ = a (CH₂)₂ or (CH₂)₃ group (Q) that is attached to a C atom ortho to the NR₁R₂ group, provided that R₁ or Q is substituted with a N-, O- or S-containing group when R₁ is alkyl or aryl; or (c) NR₁R₂ is a 5- to 7-membered ring substituted with at least one N-, O- or S-containing group; provided that: (1) the compound contains no more than 3 OH groups when NR₁R₂ is a ring; (2) when NR₁R₂ is 2-carbamoyl-1-pyrrolidinyl, then n is nonzero or the pyrrolidine ring has at least 2 substituents; (3) when NR₁R₂ is 2-hydroxymethyl-1-pyrrolidinyl and n = 0 or 1, then the pyrrolidine ring either has at least 2 additional substituents or has one additional substituent other than 4-OH, or when NR₁R₂ is 2-hydroxymethyl-1-pyrrolidinyl and n = 1, then R₃ is not alkyl, hydroxyalkyl or polyhydroxyalkyl; (4) when R₂ is Q, then either: (i) the ring formed by Q has a substituent in addition to R₁; (ii) n is more than 1; (iii) R₃ is aryl or heterocyclyl when n = 1; or (iv) R₁ is aryl, heterocyclyl or substituted alkyl other than monohydroxyalkyl when n = 0 or 1.

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