

Title (en)  
OLIGOMER AZO COLORANTS

Title (de)  
OLIGOMERE AZOFARBSTOFFE

Title (fr)  
COLORANTS AZO OLIGOMERES

Publication  
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Application  
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Abstract (en)  
[origin: DE19718659A1] The invention relates to oligomer azo colorants with an alternating composition based on tetrazo constituents and coupling constituents, containing at least two units of structure (I) in the molecule, wherein D stands for one tetrazo constituent of formula (II) whereby n = 1 or 2; m=1 or 2, x = a direct bond; oxygen, sulphur or a binding link, R<1> and R<2> mean independently hydrogen, C1-C4 alkyl, C1-C4 alkoxy, C1-C4 alkanoyl, cyano, carboxyl, hydroxy sulfonyl, C1-C4-alkoxy carbonyl, hydroxy, carbamoyl, mono or di- (C1-C4)-alkyl carbamoyl, sulfamoyl, mono or di-(C1-C4)-alkyl sulfamoyl, fluorine, chlorine, bromine, nitro or trifluoromethyl; R<3> and R<4> mean independently hydrogen, hydroxy sulfonyl or carboxyl; R<5> and R<6> mean independently hydrogen or hydroxy and wherein K represents a bivalent radical of a coupling constituent of formula (III), wherein the variables have the following meaning: R<7> and R<8> independently mean hydroxy, amino, morpholino or an NHAik radical or N(Alk)2 and R<9> means hydrogen, carboxyl, hydroxy sulfonyl, C1-C4-alkoxy-carbonyl, carbamoyl, mono or di-(C1-C4), alkyl carbamoyl, sulfamoyl, mono or di(C1-C4)-alkyl sulfamoyl or a radical, Alk, OAlk, NHAik or N(Alk)2. The invention also relates to a method for the production of said colorants, to their use in dyeing and printing natural or synthetic substrates, and to the mixtures containing said colorants.

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