

Title (en)
MANGANESE COMPLEXES AS CATALYSTS FOR PEROXYGENATED COMPOUNDS TO CLEAN HARD SURFACES, ESPECIALLY DISHES

Title (de)
MANGANKOMPLEXE ALS KATALYSATOREN FÜR PERSAUERSTOFFVERBINDUNGEN ZUR REINIGUNG VON HARTEN OBERFLÄCHEN, INSBESONDERE VON GESCHIRR

Title (fr)
COMPLEXES DE MANGANESE UTILISES COMME CATALYSEURS POUR DES COMPOSES PEROXYGENES SERVANT NETTOYER DES SURFACES DURES, NOTAMMENT DE LA VAISSELLE

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Application
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Priority
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Abstract (en)
[origin: WO0011129A1] Manganese complexes of formula (1) or (2) are used as activators for peroxygenated compounds in dishwashing detergents, wherein Y represents linear or branched alkylene of formula -C(R1)2]m, wherein m is a whole number ranging from 2-8 and the radicals R1 represent independently from each other hydrogen or C1-C4-alkyl, -CX=CX-, whereby X is cyano, linear or branched C1-C8 -alkyl or di-(linear or branched C1-C8 alkyl)-amino; -(CH2)q-NR1-(CH2)q-, wherein R1 has the meaning thus cited and q is 1, 2, 3 or 4 or stands for a 1,2-cyclohexylene or 1,2 phenyl radical of formula (a) or (b), wherein R8 represents hydrogen, CH2OH, CH2NH2 or SO3M, wherein M represents hydrogen, an alkaline metal atom, ammonium or the cation of an organic amine, R<5> and R<6> represent independently from each other hydrogen, linear or branched C1-C4 -lkyl; linear or branched C1-C8alkene-R2, wherein R2 is OR1, COOR1 or NR3R4, unsubstituted aryl or aryl that is substituted by cyano, halogen, OR1, COOR1, nitro, linear or branched C1-C8-alkyl, NR3R4, wherein R3 and R4 mean independently from each other hydrogen or linear or branched C1-C12-alkyl; or substituted by -N<o>R1R3R4, wherein R1, R3, R4 have the meanings thus cited, the radicals R7 represent independently from each other hydrogen or C1-C4 alkyl, Z1 and Z2 represent independently from each other hydrogen, hydroxy, C1-C4 alkoxy or di-(C1-C4-alkyl)amino and A stands for a charge-equalising anion ligand.

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