

Title (en)
USE OF ACRYLIC ACID ESTERS AND AMIDES FOR REDUCING EMISSIONS OF A POLYURETHANE FOAM

Title (de)
VERWENDUNG VON ACRYLSÄUREESTERN UND AMIDEN ZUR ERNIEDRIGUNG VON EMISSIONEN EINES
POLYURETHANSCHAUMSTOFFES

Title (fr)
UTILISATION D'ESTERS ET D'AMIDES DE L'ACIDE ACRYLIQUE POUR LA DIMINUTION D'ÉMISSIONS D'UNE MOUSSE DE POLYURÉTHANE

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Application
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Abstract (en)
[origin: CA3043543A1] The present invention relates to the use i) of one or more compounds selected from the group consisting of R1R2C=CR3-C(O)-O-R4 (I), R5R6C=CR7-C(O)-O-R8-O-(O)C-R9C=CR10R11 (II), R12R13C=CR14-C(O)-O-(O)C-R14C=CR13R12 (III.) and R15R16C=C-17-C(O)-NR18-R19 (IV.), wherein R1 and R2, R4 to R7 and R9 to R19 independently of one another represent H, a saturated or unsaturated, linear or branched, aliphatic or cycloaliphatic or an aromatic or araliphatic radical having up to 20 carbon atoms which may optionally contain heteroatoms such as N, S or O and which may optionally be substituted, for example by isocyanate-reactive groups, preferably by OH groups, R3 represents H, and R8 represents a saturated or unsaturated, linear or branched, aliphatic divalent radical having up to 20 carbon atoms which may optionally contain heteroatoms such as N, S or O and which may optionally be substituted, for example by isocyanate-reactive groups, preferably by OH groups, and/or ii) of polyester polyols, preferably polyester diols, obtainable by polycondensation of maleic acid, fumaric acid, methacrylic acid or acrylic acid with oligomeric diols such as butanediol, diethylene glycol, propylene glycol, 1,3-propanediol and/or triols such as glycerol having a molecular weight factor per double bond of 150 to 3000, a functionality of 2 to 6, a hydroxyl number of 20 to 800 and an acid number of 0 to 15 in processes for producing polyurethanes, preferably polyurethane foams, for reducing the aldehyde emission of the resulting polyurethanes/polyurethane foams, to a process for producing polyurethanes, preferably polyurethane foams, using one or more compounds of formula IV and to polyurethanes obtainable from this process.

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