

Title (en)

PROCESS FOR THE PREPARATION OF ESTERS OF 2-CYANOACRYLIC ACID AND USE OF THE ESTERS SO PREPARED AS ADHESIVES.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 2-CYANOACRYLSÄUREESTERN UND IHRE VERWENDUNG ALS KLEBSTOFFE.

Title (fr)

PROCEDE POUR LA PREPARATION D'ESTERS DE L'ACIDE 2-CYANACRYLIQUE ET UTILISATION DES ESTERS AINSI PREPARES COMME ADHESIFS.

Publication

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Application

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Abstract (en)

[origin: WO9415907A1] A process for the preparation of esters, including non-distillable esters, of 2-cyanoacrylic acid comprises reacting 2-cyanoacrylic acid or an acid halide thereof with an alcohol, including a diol or polyol, or a phenol in the presence of an inert organic solvent under polymerisation inhibiting conditions and, additionally, in the presence of an acid catalyst when 2-cyanoacrylic acid is a reactant, continually removing the water or hydrohalic acid produced and recovering the ester. The esters thereby prepared and many of which are novel compounds include substituted or unsubstituted long chain alkyl cyanoacrylates and multifunctional cyanoacrylates, including bis cyanoacrylates. Such esters have a wide range of applications. For example, they can be grafted onto polymer backbones to improve properties of said polymers such as thermal resistance.

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