

Title (en)

PROCESS FOR THE PREPARATION OF ISOCYANATE POLYADDITION PRODUCTS CONTAINING LATERAL HYDROXYL GROUPS AND PRODUCTS OBTAINED BY THIS PROCESS

Publication

EP 0000381 B1 19800806 (DE)

Application

EP 78100323 A 19780707

Priority

DE 2732131 A 19770715

Abstract (en)

[origin: ES471750A1] The present invention relates to a process for the preparation of substantially linear isocyanate polyaddition products having side-chain hydroxyl groups by the reaction of reactive systems which contain free isocyanate groups and oxazolidine groups with water, characterized in that (a) substantially linear prepolymers which contain both isocyanate groups and oxazolidine groups in end positions or (b) a mixture containing substantially linear isocyanate prepolymers and bis-oxazolidines are chain lengthened by mixing with water, using a quantity of water calculated to provide at least about 1 mol of water per mol of oxazolidine groups present in the reaction mixture. The present invention also relates in particular to an embodiment of this process in which the prepolymers used contain chemically built-in hydrophilic groups and/or external emulsifiers, and water is used in such excess that the reaction leads directly to aqueous dispersions or solutions of the polyaddition products. Lastly, the present invention also relates to isocyanate polyaddition products obtainable by the process according to the invention.

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IPC 8 full level

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C-Set (source: EP US)

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