

Title (en)

METHOD FOR PRODUCING A CYCLIC ISOCYANATE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES CYCLISCHEN ISOCYANATES

Title (fr)

PROCÉDÉ POUR LA PRÉPARATION D'UN ISOCYANATE CYCLIQUE

Publication

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Application

EP 16742253 A 20160720

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Abstract (en)

[origin: WO2017013154A1] The invention relates to a method for producing a cyclic isocyanate (B) on the basis of a composition (Z) which has at least one component (A) that has at least one cycloalkane ring with at least four ring carbon atoms. The cycloalkane ring has two NH₂ groups in the β-position or γ-position relative to each other as substituents, and the two NH₂ groups in the β-position or γ-position relative to each other assume a trans-configuration relative to each other if the total quantity of component (A) is over 50 mol.%. The composition (Z) is reacted with phosgene in the method according to the invention, thereby obtaining a composition (ZP) which has at least one cyclic isocyanate (B) with isocyanate groups. The invention further relates to the use of the isocyanate mixture (M) as monomers in methods for producing polymers, in particular for producing polyurethane and polyureas.

IPC 8 full level

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