

Title (en)  
WATER-EMULSIFIABLE ISOCYANATES WITH IMPROVED PROPERTIES

Title (de)  
WASSEREMULGIERBARE ISOCYANATE MIT VERBESSERTEN EIGENSCHAFTEN

Title (fr)  
ISOCYANATES ÉMULSIFIABLES DANS L'EAU QUI PRÉSENTENT DES PROPRIÉTÉS AMÉLIORÉES

Publication  
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Application  
**EP 20733967 A 20200618**

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Abstract (en)  
[origin: WO2020260133A1] The invention relates to a method for preparing a water-emulsifiable polyisocyanate preparation, in which in a first method step (A), a dispersing reaction product (E) is prepared from: at least one diisocyanate, selected from among the group comprising 1,6-hexamethylene diisocyanate, 1,5-pentamethylene diisocyanate, 4,4'-di-(isocyanatocyclohexyl)-methane, 1-isocyanato-3,3,5-trimethyl-5-(isocyanatomethyl)cyclohexane, 2,4- and 2,6-toluylene diisocyanate, tetramethylxylylene-diisocyanate, p-xylylene diisocyanate, and 2,4'- and 4,4'-di-isocyanatodiphenyl methane; and at least one mono- or polyvalent polyalkylene ether alcohol having 2 to 4 C-atoms in the alkylene groups and having a polyether chain containing at least 8 ethylene oxide units, and the resultant reaction product (E) is mixed, in a second method step (B), with at least one (cyclo)aliphatic polyisocyanate with an average NCO functionality of 2.2 to 5.0, preferably 2.5 to 4.0, step (B) being carried out in the presence of an allophanatisation catalyst and the conditions being chosen such that allophanate groups are formed from (E) and the polyisocyanate, characterised in that the allophanatisation catalyst is at least one salt consisting of a metal cation and at least one dithiophosphate anion.

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