

Title (en)

METHOD FOR THE PRODUCTION OF POLYMERISATES IN AN AQUEOUS MEDIUM AND THE USE THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYMERISATEN IN WÄSSRIGEM MEDIUM UND IHRE VERWENDUNG

Title (fr)

PROCEDE DE PRODUCTION DE POLYMERISATS DANS UN MILIEU AQUEUX, ET LEUR UTILISATION

Publication

EP 0848722 A1 19980624 (DE)

Application

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Abstract (en)

[origin: DE19533269A1] The invention relates to a method for the production of polymerisates from monomers insoluble in water and monomers optionally soluble in water by radical polymerisation of the monomers in water as the diluting agent, wherein the monomers insoluble in water are used in the form of complexes consisting of (a) cyclodextrins and/or compounds containing cyclodextrin structures, and (b) monomers which are insoluble in water or ethylenically unsaturated and soluble in water up to a maximum of 20 g/l at 20 DEG C, in the mol ratio (a):(b) of from 1:2 to 10:1, or the monomers are polymerised in the presence of up to 5 mol, in relation to 1 mol of the monomers (b), of cyclodextrins and/or compounds containing cyclodextrin structures. It also relates to the use of the polymerisates as sizing agents for the production of paper, as coating agents, as thickening agents for aqueous systems, as detergent additives and as thickening agents in cosmetic creams or lotions.

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