

Title (en)

METHOD FOR ISOLATING POLYMETHYL ALKANOIC ACIDS AND FOR THE DISPOSAL OF THE RESULTING WASTES

Title (de)

VERFAHREN ZUR ISOLIERUNG VON POLYMETHYLOLALKANSÄUREN UND ZUR ENTSORGUNG DER DABEI ANFALLENDEN ABFALLSTRÖME

Title (fr)

PROCEDE POUR ISOLER DES ACIDES POLYMETHYLOLALCANIQUES ET POUR ELIMINER LES COURANTS DE REBUT RESULTANT DE CE PROCEDE

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Application

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Abstract (en)

[origin: WO0190040A2] The invention relates to a method for isolating poly- or monomethyl alkanolic acids of the general formula (I), wherein R is the same or different and represents a substituted or unsubstituted hydrocarbon or a methylol group that is produced from the corresponding polymethylol alkanals or monomethylol alkanals of the general formula (II), wherein R has the meaning indicated above, by oxidation with an aqueous solution of hydrogen peroxide. The method further comprises the following steps: a) crystallization, followed by solid/liquid separation (B), thereby obtaining the acid as the first crystallized product (2a) and a mother liquor (3), b) producing in the mother liquor (3) another crystallized product (2b), and removing the resulting mother liquor (3) in another solid/liquid separation (C) from the crystallized product (2b), and c) disposing of the resulting acid-depleted mother liquor (3).

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