

Title (en)
PROCESS FOR RECOVERING ORGANIC COMPOUNDS CONTAINED IN (METH)ACRYLIC ACID-CONTAINING MIXTURES BY EXTRACTION WITH A PROTIC SOLVENT

Title (de)
VERFAHREN ZUR RÜCKGEWINNUNG ORGANISCHER VERBINDUNGEN VON (METH)ACRYLSÄUREHALTIGEN GEMISCHTEN DURCH EXTRAKTION MIT EINEM PROTISCHEN AUFLÖSUNGSMITTEL

Title (fr)
PROCEDE POUR RECUPERER DES COMPOSES ORGANIQUES DE MELANGES CONTENANT DE L'ACIDE (METH)ACRYLIQUE PAR EXTRACTION AVEC UN SOLVANT PROTOGENE

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Application
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Abstract (en)
[origin: WO2006084667A1] A process for preparing (meth)acrylic acid comprises the following steps: (i): bringing a composition₁ which contains (meth)acrylic acid and aldehyde in contact with an aldehyde collector at a temperature ranging from 10 to 100 °C and a pressure ranging from 0.1 to 10 bar, to produce a composition₂ which contains (meth)acrylic acid, the high-boiling reaction product from aldehyde and aldehyde collector, and non-reacted aldehyde collector; (ii) separating (meth)acrylic acid from the composition Z₂ by distillation, yielding as bottom product a composition Z₃ which contains the high-boiling reaction product from the reaction between aldehyde and aldehyde collector, and non-reacted aldehyde collector; (iii) extracting the non-reacted aldehyde collector from the composition Z₂ with water, yielding a first aqueous phase P₁ and a second organic phase P₂; (iv) separating the first aqueous phase from the second organic phase. Also disclosed is a device for producing (meth)acrylic acid, foams, mouldings, fibres and the like based on (meth)acrylic acid produced by the claimed process, as well as the use in this type of products of the (meth)acrylic acid produced by the claimed process.

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Citation (search report)
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