

Title (en)

METHOD FOR PRODUCING HIGHER (METH)ACRYLIC ACID ESTERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HÖHEREN (METH)ACRYLSÄUREESTERN

Title (fr)

PROCEDE DE PRODUCTION D'ESTERS D'ACIDE (METH)ACRYLIQUE SUPERIEURS

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Application

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Abstract (en)

[origin: WO0250014A1] The invention relates to a method for producing (meth)acrylic acid esters by transesterification of the (meth)acrylic acid with a higher alkanol in the presence of an acid catalyst, at least one polymerization inhibitor and one organic solvent that forms an azeotropic mixture with water. The reaction mixture is heated to the boiling point of the mixture in a reactor that comprises a distillation unit with a column and a condenser. The content of the reactor is recirculated via an external evaporator and heated to the boiling point, and the azeotropic mixture is distilled off. The organic solvent forms a reflux and at least a part of the solvent reflux is recirculated between the reactor and the evaporator. The inventive method allows for the production of higher (meth)acrylic acid esters in a reactor with a circulation evaporator without using copper salts as the polymerization inhibitors.

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