

5           **MASS POLYMERIZATION OF (METH)ACRYLATE CO-POLYMERS WHICH ARE**  
                  **SOLUBLE IN AQUEOUS ALKALINE**

10                           **ABSTRACT**

                  The invention relates to the synthesis of (meth)acrylate-based mass polymers which are soluble in aqueous alkaline. The invention in particular relates to the synthesis of polymers by means of a mass polymerization. Said mass polymers have a significantly improved solubility in aqueous alkaline media over corresponding polymers produced by means of a heterogeneous aqueous polymerization method, such as emulsion or suspension polymerization. Improved solubility in said context refers to the dissolution rate being faster among particles of equal size, to no significant turbidity remaining after dissolution and to the viscosity of the obtained solutions being lower at the identical ratio of solids content.

15                           Furthermore, the compatibility of the compounds according to the invention with water-based varnishes is at least comparable or even improved.

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No Suitable Figure