

Abstract

- 5 A process for preparing isosorbide ethoxylate di(meth)acrylate by transesterifying alkyl (meth)acrylate with isosorbide ethoxylate, comprising the steps of:
- (i) ethoxylating isosorbide to give isosorbide ethoxylate,
 - (ii) reacting alkyl (meth)acrylate with isosorbide ethoxylate in the presence of potassium
 - 10 phosphate as catalyst and a stabilizer and in the presence of an azeotroping agent which forms an azeotrope with the alcohol bound in the alkyl (meth)acrylate,
 - (iii) continuously distilling off the azeotrope of azeotroping agent and alcohol, wherein steps (ii) and (iii) are conducted simultaneously until the isosorbide ethoxylate has been essentially fully converted,
 - 15 (iv) removing the catalyst from the product mixture comprising isosorbide ethoxylate di(meth)acrylate,
 - (v) distilling unconverted alkyl (meth)acrylate and azeotroping agent out of the product mixture.