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(54) Title: ALKOXYLATION METHOD OF FATTY ACID ALKYL ESTERS

(57) Abstract: The present invention is directed towards a method of preparing alkoxyated fatty acid alkyl esters in a one-pot alkoxylation reaction in the presence of a catalyst which is an alkaline earth metal oxide/mineral acid combination, preferably a barium oxide/sulfuric acid combination, or a Lewis acid, preferably Sn Cl₄, comprising the steps of: a) providing a fatty acid alkyl ester, b) adding a catalyst to said fatty acid alkyl ester to obtain a first mixture, wherein said catalyst is an alkaline earth metal oxide/mineral acid combination or a Lewis acid, c) adding one or more alkylene oxides to said first mixture to obtain a second mixture and (d) isolating the alkoxyated fatty acid alkyl ester.



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