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(54) Title: PROCESS FOR THE PREPARATION OF GLYCIDYLESTERS OF BRANCHED CARBOXYLIC ACIDS.

(57) Abstract

A process for the manufacture of glycidylesters of branched monocarboxylic acids, comprising (a) the reaction of the α -branched monocarboxylic acid with a halo substituted monoepoxide such as an epichlorohydrin (e.g. epichlorohydrin), in a 2-20 molar excess, in the presence of water and a water-miscible solvent as solvent, and in the presence of a catalyst, in an amount of at most 45 mol % of the molar amount of the monocarboxylic acid groups, and preferably at most 30 mol % at a temperature in the range of from 50 to 110, during a period in the range of from 0.8 to 2.5 hr, (b) addition of additional alkali metal hydroxide or alkali metal alkanolate up to about an equimolar amount as to the monocarboxylic acid and reaction at a temperature of from 40 to 80 °C, (c) distillation of the obtained reaction mixture to remove the excess halo substituted monoepoxide and the solvent and water formed, and (d) removal of the alkali metal halide salt, e.g. by washing the obtained glycidylester with water after optionally treating the residual product with a concentrated aqueous alkali metal hydroxide solution, in order to complete the dehydrohalogenation (and preferably a dehydrochlorination).