

Abstract**A Process For Producing Estolide Compounds**

5 The present invention relates to a process for producing ~~estolides or polyestolides, and~~
~~the products manufactured therefrom. The process involved in which hydroxylated~~
~~fatty acid, particularly dihydroxystearic acid acts as a starting material. The reaction is~~
~~carried out at a temperature in the range from about 120°C to 200°C in the presence~~
~~or absence of catalyst for pretermined period. Estolides/polyestolides obtained may be~~
10 ~~used as a thickening agent, emulsifier, and additive in cutting fluid as well as starting~~
~~material for producing surfactant. estolide compounds comprising condensing a~~
~~dihydroxystearic acid or mixtures of a dihydroxystearic acid and a non-hydroxy fatty~~
~~acid in the presence or absence of a catalyst under an inert gas at a temperature range~~
~~of 120°C to 170°C.~~

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(No drawing disclosed.)



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