

NEW RADIATION CURABLE PREPOLYMERS PREPARED FROM PALM OIL

ABSTRACT

A process for preparing polyester acrylates, a prepolymer from palm oil or a product thereof, the process comprising:

- (i) preparing epoxidised palm oil by epoxidation of palm oil;
- (ii) reacting the epoxidised palm oil with a monohydric or polyhydric alcohol in the presence of a catalyst to form a polyol;
- (iii) reacting the polyol from 1(ii) with acrylic acid (AA), methacrylic acid (MA), methyl methacrylic acid (MMA) in the presence of a catalyst and inhibitor to form polyester acrylates.



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