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(54) Title: INHIBITOR COMBINATION FOR LITHIUM SALT-CATALYZED TRANSESTERIFICATION PROCESS AND METHOD FOR REMOVING LITHIUM SALT

(57) Abstract: A process to form a composition comprising an asymmetrical polyene, the asymmetrical polyene comprising an " α,β unsaturated - carbonyl end" and a "C-C double bond end," the process comprising: reacting an alkene- or polyene-containing alcohol with an alkyl ester of an α,β unsaturated carboxylic acid in the presence of at least the following components A) through C) to form a solution comprising an asymmetrical polyene: A) a lithium salt; B) a component selected from the group consisting of hydroquinone, an alkyl- substituted phenol, a substituted alkyl-substituted phenol, an alkyl-substituted hydroquinone, a substituted alkyl-substituted hydroquinone, and combinations thereof; and C) an N-oxy- containing compound; wherein the " α,β unsaturated - carbonyl end" of the asymmetrical polyene is selected from the group consisting of structures a) through c), as described herein, and wherein the "C-C double bond end" of the asymmetrical polyene is selected from the group consisting of structures 1) through 17), as described herein.

