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(54) Title: BATCH PROCESS FOR PREPARING A POLYETHER ALCOHOL USING A DOUBLE METAL CYANIDE CATALYST

(57) Abstract: The invention relates to a batch process for preparing a polyether alcohol P having a hydroxyl number of greater than 115 mg KOH/g by reacting starter compound S₁ and starter compound S₂, with one or more alkylene oxides in the presence of a composite metal cyanide complex catalyst, comprising a) forming a starter mixture comprising starter compound S₁ and the catalyst and activating the catalyst by adding an alkylene oxide, followed by b) continuously adding an alkylene oxide; and c) continuously adding starter compound S₂; wherein no alkylene oxide is added between steps a) and b), and the continuous addition of alkylene oxide in step b) is not interrupted before the total weight of alkylene oxide needed to prepare polyether alcohol P has been added; step c) is stopped before step b) is stopped and step c) is stopped once less than 80% of the total weight of alkylene oxide needed to prepare polyether alcohol P has been added in step b).



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