

Title (en)  
PROCESS FOR PRODUCING TRIOXANE AND AT LEAST ONE COMONOMER

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON TRIOXAN UND MINDESTENS EINEM COMONOMER

Title (fr)  
PROCEDE DE FABRICATION DE TRIOXANE ET D AU MOINS UN COMONOMERE

Publication  
**EP 1945689 A1 20080723 (DE)**

Application  
**EP 06807603 A 20061027**

Priority  
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Abstract (en)  
[origin: DE102005051974A1] Preparation of trioxane and at least a comonomer for the preparation of (co)polymer on trioxane basis, comprises (a) converting formaldehyde and at least a co-monomer educt to trioxane and co-monomer in an aqueous solution to obtain a reaction mixture; (b) distilling the reaction mixture in a first distillation step at a first pressure to obtain stream (B1) and a stream (B2); and (c) distilling the stream (B1) in a second distillation step to obtain stream (C1) containing trioxane, co-monomer and water, and a product stream (C2) containing co-monomer and trioxane. Preparation of trioxane and at least a co-monomer for the preparation of (co)polymer on trioxane basis, comprises: (a) converting formaldehyde and at least a co-monomer educt to trioxane and co-monomer in an aqueous solution to obtain a reaction mixture containing trioxane, co-monomer, formaldehyde, water and optionally co-monomer educt, by synthesis step; (b) distilling the reaction mixture in a first distillation step at a first pressure to obtain stream (B1) enriched with trioxane and comonomer, and a stream (B2) containing water, formaldehyde and optionally comonomer-educt; and (c) distilling the stream (B1) in a second distillation step at a pressure above the pressure of the first distillation step to obtain stream (C1) containing trioxane, co-monomer and water, and a product stream (C2) containing co-monomer and trioxane.

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