

Abstract

A process is proposed for preparing trioxane, comprising the following process stages:

- 5 - acid-catalyzed reaction of a highly concentrated aqueous formaldehyde solution (1) in a reactor (R) to obtain a trioxane/formaldehyde/water mixture (2) (process stage I),
- distillation of the trioxane/formaldehyde/water mixture (2) from process stage I to obtain crude trioxane as the top stream (3) (process stage II) and
- 10 - distillative workup of the crude trioxane (3) from process stage II in one or more further process stages to obtain pure trioxane (8),

which comprises drawing off an aqueous side stream (4) in process stage II.

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(Figure 1)