

Abstract

To provide a practical and economical process for producing trioxane from an aqueous formaldehyde solution in the presence of a solid acid catalyst, which permits a stable operation for a long period of time.

A process for producing trioxane from an aqueous formaldehyde solution by using a production apparatus comprising two functional steps, i.e. the first functional step of conducting mainly the removal of metallic impurities from the aqueous formaldehyde solution with a substance having an ion-exchanging function and the second functional step of conducting mainly the synthesis of trioxane from the aqueous formaldehyde solution, from which metallic impurities have been removed, with a solid acid catalyst.