

Abstract

A process for preparing polyoxymethylene dialkyl ethers of the formula



where $n = 2 - 10$,

m , identically or differently, $= 1$ or 2 ,

in which a dialkyl ether selected from dimethyl ether, methyl ethyl ether and diethyl ether, and trioxane are fed into a reactor and reacted in the presence of an acidic catalyst, the amount of water introduced into the reaction mixture by the dialkyl ether, trioxane and/or the catalyst being $< 1\%$ by weight based on the reaction mixture.

(Figure 1)