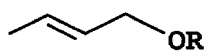


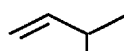
Preparation of alkoxybutenes

5 Abstract

In a process for preparing alkoxybutenes in which 1,3-butadiene or a butadiene-containing hydrocarbon mixture is reacted with an alcohol of the formula ROH I at elevated temperature and elevated pressure in the presence of a Brönsted acid to give a mixture of the adducts of the formulae II and III, where the radical R is a C₂-C₂₀-alkyl, alkenyl, cycloalkyl or cycloalkenyl group, each of which may be unsubstituted or substituted by 1 or 2 C₁-C₁₀-alkoxy or hydroxy groups, a C₂-C₁₀-aryl group or a C₇-C₁₁-aralkyl group or the methyl group,



II



OR

III

the improvement comprises carrying out the reaction in the presence of water.