

## Accepted Manuscript

Title: Acetalization of acetone with glycerol catalyzed by niobium-aluminum mixed oxides synthesized by a sol-gel process

Author: Raphael Rodrigues Dalmo Mandelli Norberto S. Gonçalves Paolo P. Pescarmona Wagner A. Carvalho



PII: S1381-1169(16)30036-X  
DOI: <http://dx.doi.org/doi:10.1016/j.molcata.2016.02.002>  
Reference: MOLCAA 9767

To appear in: *Journal of Molecular Catalysis A: Chemical*

Received date: 29-9-2015  
Revised date: 30-1-2016  
Accepted date: 1-2-2016

Please cite this article as: Raphael Rodrigues, Dalmo Mandelli, Norberto S. Gonçalves, Paolo P. Pescarmona, Wagner A. Carvalho, Acetalization of acetone with glycerol catalyzed by niobium-aluminum mixed oxides synthesized by a sol-gel process, Journal of Molecular Catalysis A: Chemical <http://dx.doi.org/10.1016/j.molcata.2016.02.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **Acetalization of acetone with glycerol catalyzed by niobium-aluminum mixed oxides synthesized by a sol-gel process**

Raphael Rodrigues<sup>a,c\*</sup>, Dalmo Mandelli<sup>a</sup>, Norberto S.Gonçalves<sup>b</sup>, Paolo P. Pescarmona<sup>c,d</sup>, Wagner A. Carvalho<sup>a</sup>

<sup>a</sup>Centre of Natural and Human Sciences, Federal University of ABC, 166 Santa Adélia Street, Bangu, Santo André, SP, 09210-170, Brazil.

<sup>b</sup>Federal University of São Paulo, 275 Prof. Artur Riedel Street, Jd. Eldorado, Diadema, SP, 09972-270.

<sup>c</sup>Centre for Surface Chemistry and Catalysis, KU Leuven, Kasteelpark Arenberg 23, 3001 Heverlee, Belgium.

<sup>d</sup>Chemical Engineering Department, University of Groningen, Nijenborgh 4, 9747 AG, Groningen, The Netherlands.

\*Corresponding author. Tel.: +55 (11) 4996-8386; Fax: +55 (11) 4996-8386. E-mail address: rapharod@globo.com

Download English Version:

<https://daneshyari.com/en/article/4757788>

Download Persian Version:

<https://daneshyari.com/article/4757788>

[Daneshyari.com](https://daneshyari.com)