### Accepted Manuscript

Title: Phase holdup distribution and dispersion performance in a novel liquid-liquid cyclone reactor of isobutane alkylation catalyzed by ionic liquid

Authors: Mingyang Zhang, Lei Wang, Liyun Zhu, Zhenbo Wang, Zhichang Liu, Youhai Jin

PII: S0263-8762(17)30360-X

DOI: http://dx.doi.org/doi:10.1016/j.cherd.2017.06.031

Reference: CHERD 2734

To appear in:

Received date: 5-12-2016 Revised date: 17-6-2017 Accepted date: 23-6-2017

Please cite this article as: Zhang, Mingyang, Wang, Lei, Zhu, Liyun, Wang, Zhenbo, Liu, Zhichang, Jin, Youhai, Phase holdup distribution and dispersion performance in a novel liquid-liquid cyclone reactor of isobutane alkylation catalyzed by ionic liquid. Chemical Engineering Research and Design http://dx.doi.org/10.1016/j.cherd.2017.06.031

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.



## ACCEPTED MANUSCRIPT

# Phase holdup distribution and dispersion performance in a novel liquid-liquid cyclone reactor of isobutane alkylation catalyzed by ionic liquid

Mingyang Zhang<sup>1</sup>, Lei Wang<sup>1</sup>, Liyun Zhu<sup>1</sup>, Zhenbo Wang<sup>1</sup>, Zhichang Liu<sup>2</sup>, Youhai Jin<sup>1</sup>

State Key Laboratory of Heavy Oil, China University of Petroleum, 266580,
Shandong, China 2. State Key Laboratory of Heavy Oil Processing, China
University of Petroleum, Beijing 102249, China

Corresponding author: Wang Zhen-bo

College of Chemical Engineering, China University of Petroleum, Qingdao 266580, Shandong,

China. Fax:+89 0532 86981865

E-mail: wangzhb@upc.edu.cn (W. Zhen-bo), myzhang2034@126.com (Z. Ming-yang)

#### Download English Version:

# https://daneshyari.com/en/article/4987095

Download Persian Version:

https://daneshyari.com/article/4987095

<u>Daneshyari.com</u>