Accepted Manuscript

Title: Volumetric properties of non-aqueousbinary mixture of Diethanolamine (DEA) and Dimethylformamide (DMF)

Authors: Ghulam Murshid, Hosein Ghaedi, Farouq Sabri Mjalli, Sahil Garg, Muhammad Ayoub

PII: S2213-3437(18)30332-4

DOI: https://doi.org/10.1016/j.jece.2018.06.024

Reference: JECE 2449

To appear in:

Received date: 15-4-2018 Revised date: 6-6-2018 Accepted date: 7-6-2018

Please cite this article as: Murshid G, Ghaedi H, Mjalli FS, Garg S, Ayoub M, Volumetric properties of non-aqueousbinary mixture of Diethanolamine (DEA) and Dimethylformamide (DMF), *Journal of Environmental Chemical Engineering* (2018), https://doi.org/10.1016/j.jece.2018.06.024

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

Volumetric properties of non-aqueousbinary mixture of Diethanolamine (DEA) and Dimethylformamide (DMF)

Ghulam Murshid a, Hosein Ghaedi b, Farouq Sabri Mjalli a, Sahil Garg a, Muhammad Ayoub c,*

^a Department of Petroleum and Chemical Engineering, Sultan Qaboos University

123 - Muscat, Oman

^bSchool of Environment, Tsinghua University, Beijing 100084, People's Republic of China

^cDepartment of Chemical Engineering, Universiti Teknologi Petronas, 32610Bandar Seri Iskandar, Perak, Malaysia

*Corresponding author: E-mail address: muhammad.ayoub@utp.edu.my

Telephone/fax: +6053687623.

Highlights

- Measuring volumetric properties of non-aqueous system of (DEA + DMF).
- To analyze the effect of temperature and concentration on the properties using RSM.
- Significant effect of temperature and concentration on the properties.
- Using JAM as accurate model to correlate the volumetric properties data.

Download English Version:

https://daneshyari.com/en/article/11028998

Download Persian Version:

https://daneshyari.com/article/11028998

<u>Daneshyari.com</u>