Accepted Manuscript

The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids

Marta Królikowska, Maciej Zawadzki, Urszula Domańska, Deresh Ramjugernath, Paramespri Naidoo

PII: S0021-9614(16)30342-1

DOI: http://dx.doi.org/10.1016/j.jct.2016.10.034

Reference: YJCHT 4864

To appear in: J. Chem. Thermodynamics

Received Date: 15 June 2016
Revised Date: 19 October 2016
Accepted Date: 21 October 2016



Please cite this article as: M. Królikowska, M. Zawadzki, U. Domańska, D. Ramjugernath, P. Naidoo, The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids, *J. Chem. Thermodynamics* (2016), doi: http://dx.doi.org/10.1016/j.jct.2016.10.034

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

Journal of Chemical Thermodynamics

The influence of temperature and composition on the density, viscosity and excess properties of aqueous mixtures of carboxylic-based ionic liquids.

Marta Królikowska, a,b* Maciej Zawadzki, Urszula Domańska, b Deresh Ramjugernath, Paramespri Naidoob

^aDepartment of Physical Chemistry, Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-664 Warsaw, Poland

^bThermodynamics Research Unit, School of Engineering, University of KwaZulu-Natal, Howard College Campus, King George V Avenue, Durban 4041, South Africa

^{*} To whom the correspondence should be addressed: mlaskowska@ch.pw.edu.pl.

Download English Version:

https://daneshyari.com/en/article/4907348

Download Persian Version:

https://daneshyari.com/article/4907348

<u>Daneshyari.com</u>