## Accepted Manuscript

Densities, ultrasonic speeds, excess and partial molar properties of binary mixtures of 2-pyrrolidone with isomeric propanediols at temperatures from 303.15 K to 323.15 K

T. Srinivasa Krishna, Anil K. Nain, K. Narendra, S. Chenthilnath, D. Punyaseshudu

PII:	S0021-9614(17)30087-3
DOI:	http://dx.doi.org/10.1016/j.jct.2017.03.022
Reference:	YJCHT 5016
To appear in:	J. Chem. Thermodynamics
Received Date:	24 January 2017
Revised Date:	18 March 2017
Accepted Date:	21 March 2017



Please cite this article as: T.S. Krishna, A.K. Nain, K. Narendra, S. Chenthilnath, D. Punyaseshudu, Densities, ultrasonic speeds, excess and partial molar properties of binary mixtures of 2-pyrrolidone with isomeric propanediols at temperatures from 303.15 K to 323.15 K, *J. Chem. Thermodynamics* (2017), doi: http://dx.doi.org/10.1016/j.jct. 2017.03.022

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**

## Densities, ultrasonic speeds, excess and partial molar properties of binary mixtures of 2-pyrrolidone with isomeric propanediols at temperatures from 303.15 K to 323.15 K

T. Srinivasa Krishna<sup>*a*</sup>, Anil K. Nain<sup>*b*,\*</sup>, K. Narendra<sup>*c*</sup>, S. Chenthilnath<sup>*d*</sup>, and

D. Punyaseshudu<sup>e</sup>

<sup>a</sup>Department of Physics, Vignan Institute of Technology & Science, Hyderabad – 508 284, Andhra Pradesh, India

<sup>b</sup>Department of Chemistry, Dyal Singh College, University of Delhi, New Delhi – 110 003, India

<sup>c</sup>Department of Physics, V.R.S.E. College, Vijayawada – 520007, Andhra Pradesh, India

<sup>d</sup>Department of Physics, Ayya Nadar Janaki Ammal College, Sivakasi – 626123, Tamil Nadu, India

<sup>e</sup>Department of Physics, Rayalaseema University, Kurnool – 518 002, Andhra Pradesh, India

\*Corresponding author: Tel.: 91-9810081160; Fax: 91-11-24365606

E-mail address: ak\_nain@yahoo.co.in

Download English Version:

## https://daneshyari.com/en/article/4907324

Download Persian Version:

https://daneshyari.com/article/4907324

Daneshyari.com