Accepted Manuscript

Experimental determination of the LLE data of systems consisting of {hexane + benzene + deep eutectic solvent} and prediction using the Conductor-like Screening Model for Real Solvents

Nerea R. Rodriguez, Thomas Gerlach, Daniëlle Scheepers, Maaike C. Kroon, Irina Smirnova

PII: S0021-9614(16)30280-4

DOI: http://dx.doi.org/10.1016/j.jct.2016.09.021

Reference: YJCHT 4810

To appear in: J. Chem. Thermodynamics

Received Date: 2 June 2016

Revised Date: 14 September 2016 Accepted Date: 15 September 2016



Please cite this article as: N.R. Rodriguez, T. Gerlach, D. Scheepers, M.C. Kroon, I. Smirnova, Experimental determination of the LLE data of systems consisting of {hexane + benzene + deep eutectic solvent} and prediction using the Conductor-like Screening Model for Real Solvents, *J. Chem. Thermodynamics* (2016), doi: http://dx.doi.org/10.1016/j.jct.2016.09.021

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

Experimental determination of the LLE data of systems consisting of {hexane + benzene + deep eutectic solvent} and prediction using the Conductor-like Screening Model for Real Solvents

Nerea R. Rodriguez^{a*}, Thomas Gerlach^b, Daniëlle Scheepers^a, Maaike C. Kroon^{a,c}, Irina Smirnova^b

^a *Eindhoven University of Technology. Department of Chemical Engineering and Chemistry. Separation Technology Group. STO1.22, P.O. Box 513, 5600 MB Eindhoven, The Netherlands.

^b Hamburg University of Technology, Institute of Thermal Separation Processes, Eissendorfer Strasse 38, 21073 Hamburg, Germany.

^c The Petroleum Institute, Chemical Engineering Department, P.O. Box 2533, Abu Dhabi, United Arab Emirates.

*Corresponding Author: <u>n.rodriguez@tue.nl</u>; Phone: +31 40-247 8234; Fax: +31-40-2463966

Keywords: Aliphatic; Aromatic; Deep eutectic Solvents; COSMO-RS; Liquid-liquid extraction

Download English Version:

https://daneshyari.com/en/article/4907431

Download Persian Version:

https://daneshyari.com/article/4907431

<u>Daneshyari.com</u>