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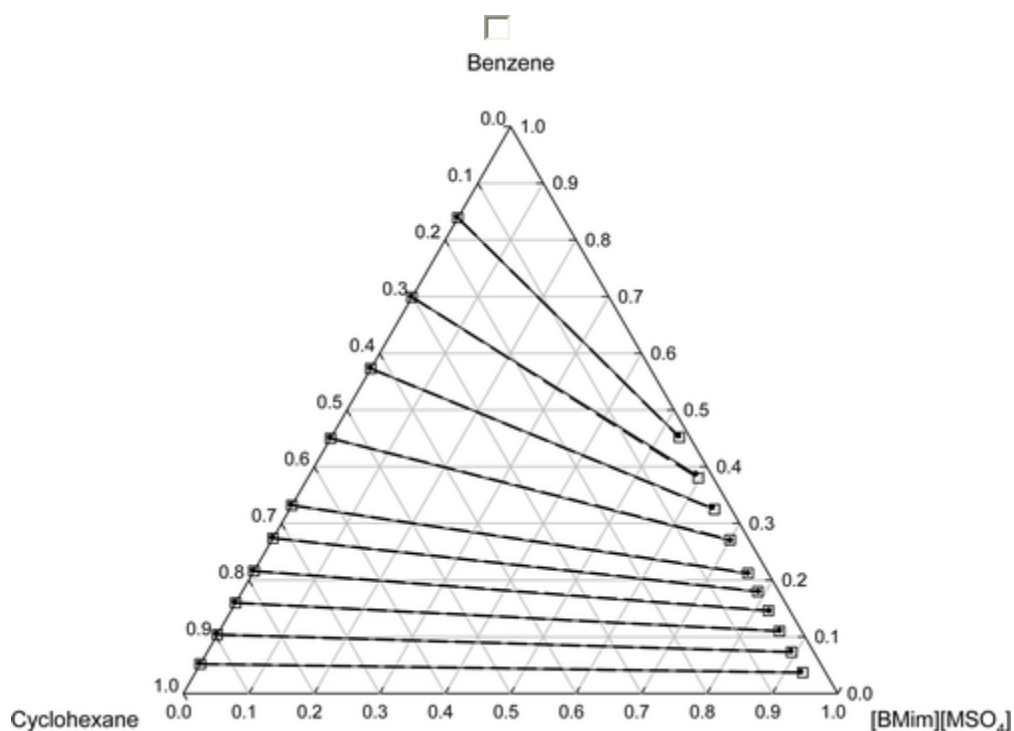


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### **Purification of EMIMOAc Used in the Acetylation of Lignocellulose**

Jin-zhi Shi, Jürgen Stein, Stephan Kabasci, and Hao Pang

pp 197-202

Publication Date (Web): January 9, 2013 (Article)

DOI: 10.1021/je300330t

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**Aliphatic Compounds**



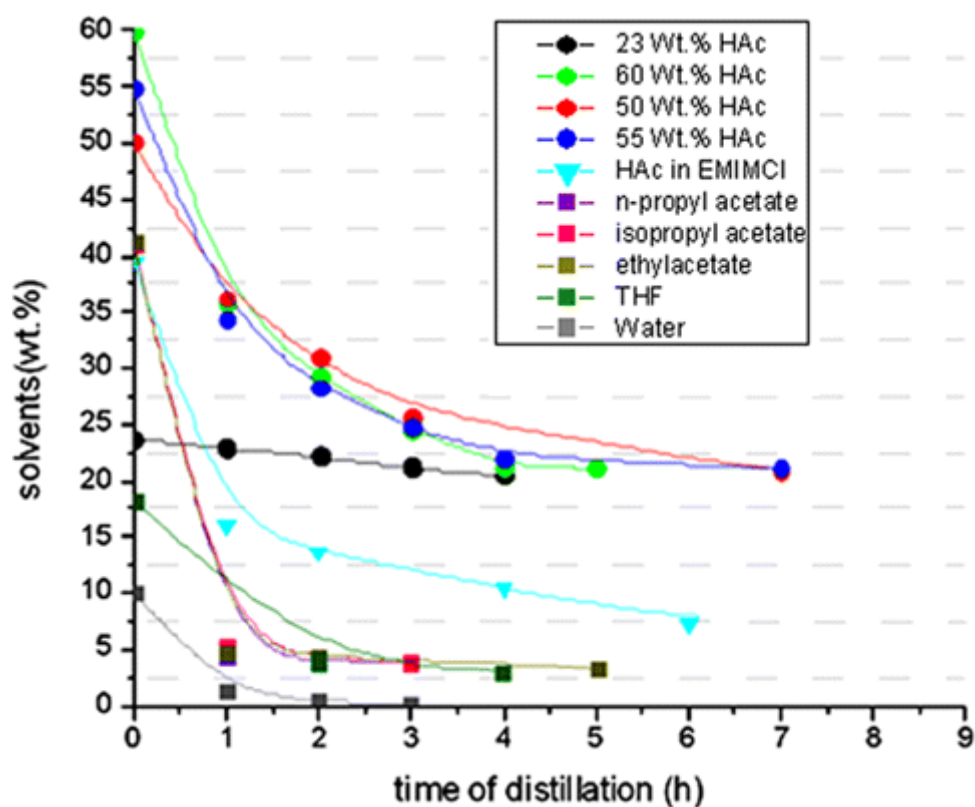


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**Densities and Speeds of Sound of L-Serine with Aqueous Solutions of Antibacterial Drugs at Different Temperatures**

Harsh Kumar and Kirtanjot Kaur

pp 203-208

Publication Date (Web): January 7, 2013 (Article)

DOI: 10.1021/je3006425

CCS Section:

General Physical Chemistry



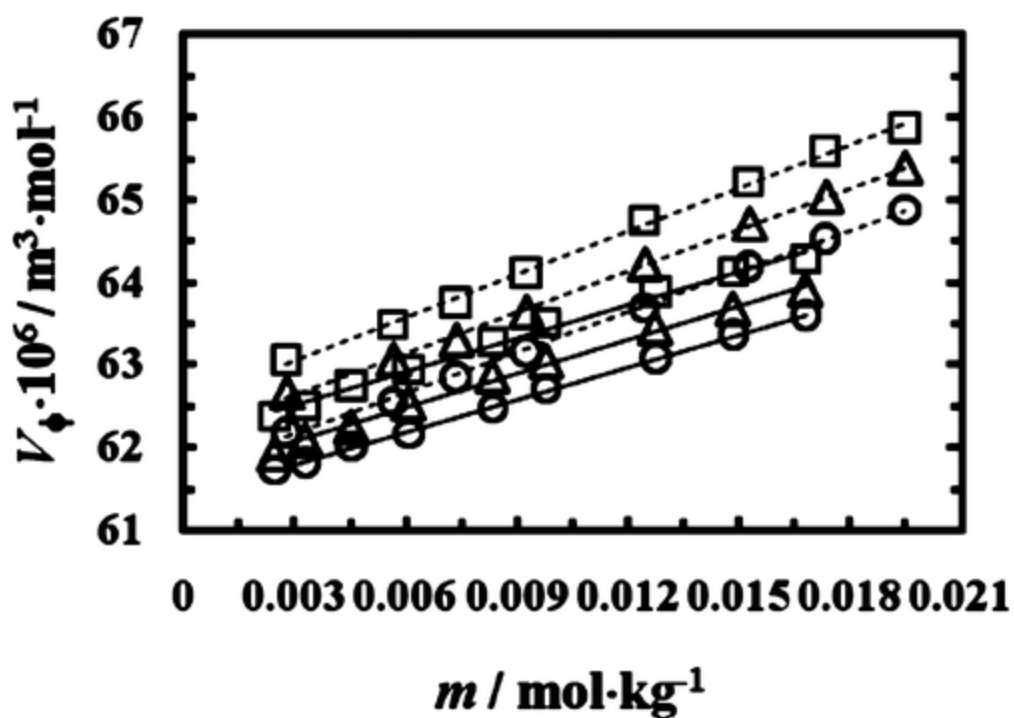


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### Adsorption of Au(III), Pd(II), and Pt(IV) from Aqueous Solution onto Graphene Oxide

Li Liu, Shuxia Liu, Qiuping Zhang, Cui Li, Changli Bao, Xiaoting Liu, and Pengfei Xiao

pp 209-216

Publication Date (Web): December 20, 2012 (Article)

DOI: 10.1021/je300551c

 Section:

Extractive Metallurgy

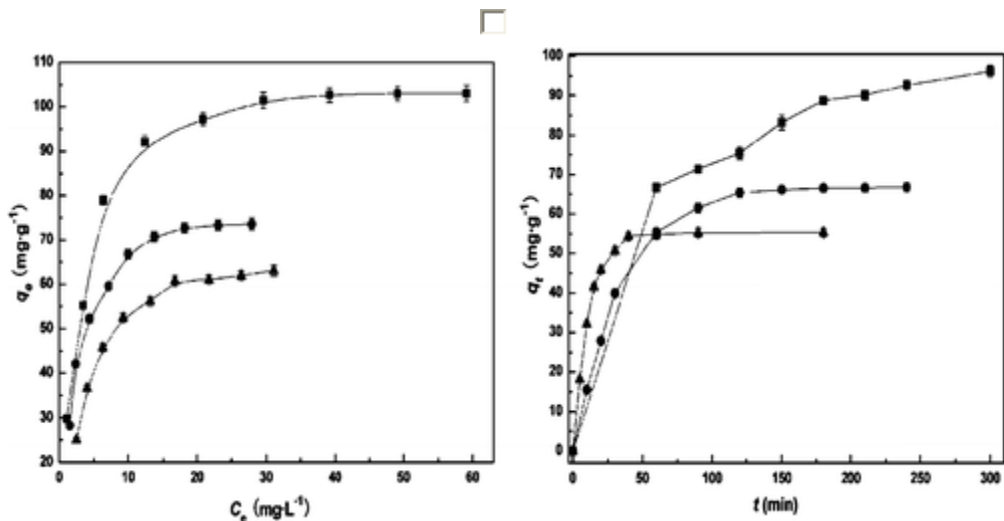


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### **Viscosity of Urea in the Mixture of *N,N*-Dimethylformamide and Water**

Małgorzata Józwiak, Magdalena Tyczyńska, and Adam Bald

pp 217-224

Publication Date (Web): January 17, 2013 (Article)

DOI: 10.1021/je300608v

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Phase Equilibria, Chemical Equilibria, and Solutions



### **Densities and Speeds of Sound of Binary Liquid Mixtures of Some *n*-Alkoxypropanols with Methyl Acetate, Ethyl Acetate, and *n*-Butyl Acetate at $T = (288.15, 293.15, 298.15, 303.15, \text{ and } 308.15) \text{ K}$**

Amalendu Pal, Harsh Kumar, Ritu Maan, and Harish Kumar Sharma

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Publication Date (Web): January 8, 2013 (Article)

DOI: 10.1021/je300789a

 Section:

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### **Density and Viscosity of Aqueous Mixtures of *N*-Methyldiethanolamines (MDEA) and Ionic Liquids**

R. Yusoff, M. K. Aroua, Ahmad Shamiri, Afshin Ahmady, N. S. Jusoh, N. F. Asmuni, L. C. Bong, and S. H. Thee

pp 240-247

Publication Date (Web): January 11, 2013 (Article)

DOI: 10.1021/je300628e

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Phase Equilibria, Chemical Equilibria, and Solutions



### **Excess Molar Volumes and Speed of Sound in Bromotrichloromethane + *n*-Heptane, Dibromomethane + *n*-Heptane, Bromotrichloromethane + Dibromomethane, and Bromotrichloromethane + Bromochloromethane at Temperatures from (293.15 to 313.15) K**

Lourdes Martínez-Baños, Clara Rivas, José Muñoz Embid, and Santos Otín

pp 248-256

Publication Date (Web): January 11, 2013 (Article)

DOI: 10.1021/je300775u

 Section:

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**Vapor–Liquid Equilibrium for Mixtures of Ethylethylenediamine, Ethylenediamine, and Water**

Åsa U. Burman and Krister H. U. Ström

pp 257-263

Publication Date (Web): January 7, 2013 (Article)

DOI: 10.1021/je300819g

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**Electrical Conductivity of Aqueous Ethanol Solutions Containing Ammonium Salts under High Pressure at 298 K**

Kouji Maeda, Katsutoshi Maeno, Keisuke Fukui, Masato Moritoki, and Hidetoshi Kuramochi

pp 264-270

Publication Date (Web): January 17, 2013 (Article)

DOI: 10.1021/je3008233

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**Phase Equilibriums, Chemical Equilibriums, and Solutions**



**Volumetric, Acoustic, and Refractometric Study of Cyclic Alanine in Aqueous Cobalt Chloride Solutions at Temperatures  $T = (293.15 \text{ to } 313.15)$  K**

V. R. Karanth and D. Krishna Bhat

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Publication Date (Web): January 4, 2013 (Article)

DOI: 10.1021/je3009123

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**Physical Organic Chemistry**



**Isobaric Vapor–Liquid Equilibria for Binary Systems Comprising 1-Chloro-2-ethylhexane, 2-Ethyl-1-hexanol, *p*-Xylene, and *N*-Methylpyrrolidone (NMP) at 40.0 kPa**

Guoqiang Huang and Chengcheng Lv

pp 279-284

Publication Date (Web): January 16, 2013 (Article)

DOI: 10.1021/je300848z

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Marta Królikowska, Kamil Padászyński, and Maciej Zawadzki

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Publication Date (Web): January 2, 2013 (Article)

DOI: 10.1021/je300853z

 Section:

Physical Organic Chemistry



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Patrick J. Shamberger and Timothy Reid

pp 294-300

Publication Date (Web): January 2, 2013 (Article)

DOI: 10.1021/je300854w

 Section:

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**Solubility of CO<sub>2</sub> in Ethyl Lactate and Modeling of the Phase Behavior of the CO<sub>2</sub> + Ethyl Lactate Mixture**

David Villanueva Bermejo, Elena Ibáñez, Roumiana P. Stateva, and Tiziana Fornari

pp 301-306

Publication Date (Web): January 7, 2013 (Article)

DOI: 10.1021/je301039e

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Shahla Soltanpour, Zahra Bastami, Shayan Sadeghilar, Morteza Kouhestani, Farid Pouya, and Abolghasem Jouyban

pp 307-314

Publication Date (Web): January 14, 2013 (Article)

DOI: 10.1021/je300984z

 Section:

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**Phase Behavior and Density for Binary and Ternary Solutions of PEG 4000 + Triammonium Citrate + Water Aqueous Two Phase Systems at Different Temperatures**

Rajendran Govindarajan, Kesavan Divya, and Muthiah Perumalsamy

pp 315-321

Publication Date (Web): January 4, 2013 (Article)

DOI: 10.1021/je3010276

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**Vapor Pressures and Vaporization, Sublimation, and Fusion Enthalpies of Some Fatty Acids**

Joe A. Wilson and James S. Chickos

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Publication Date (Web): January 22, 2013 (Article)

DOI: 10.1021/je300902c

 Section:

Phase Equilibriums, Chemical Equilibriums, and Solutions



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Zhenzhong Fan, Wei Tong, Qing Zheng, Qunfang Lei, and Wenjun Fang

pp 334-342

Publication Date (Web): December 18, 2012 (Article)

DOI: 10.1021/je300873x

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**Density and Surface Tension Measurements of Partially Carbonated Aqueous Monoethanolamine Solutions**

Sanoja A. Jayarathna, Chameera K. Jayarathna, Deshaka A. Kottage, Sithara Dayarathna, Dag A. Eimer, and Morten C. Melaaen

pp 343-348

Publication Date (Web): January 4, 2013 (Article)

DOI: 10.1021/je300920t

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**Synthesis and Physicochemical Properties of Amino Acid Ionic Liquid 1-Butyl-3-methylimidazolium Aspartate and Binary Mixture with Methanol**

Ying Wei, Yi Jin, Zhi-Jing Wu, Yang Yang, Qing-Guo Zhang, and Zhen-Hui Kang

pp 349-356

Publication Date (Web): January 7, 2013 (Article)

DOI: 10.1021/je300932n

 Section:

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**Vapor–Liquid Equilibrium for Ternary and Binary Mixtures of 2-Isopropoxypropane, 2-Propanol, and N,N-Dimethylacetamide at 101.3 kPa**

Zhigang Zhang, Lei Yang, Yuan Xing, and Wenxiu Li

pp 357-363

Publication Date (Web): December 26, 2012 (Article)

DOI: 10.1021/je300994y

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**Solubility of Isomalt in the Water + Ethanol Solvent System at (288.15, 298.15, 308.15, and 318.15) K**

Peng Wang, Jinxia Jiang, Liting He, Haiqiang Li, Jing Li, Junxia Liu, Xuejiao Liu, Menge Luo, Zhengyu Ma, Siyu Qiu, Hui Wu, and Yan Zhao

pp 364-369

Publication Date (Web): January 28, 2013 (Article)

DOI: 10.1021/je3009864

 Section:

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Takashi Makino, Mitsuhiro Kanakubo, Tatsuya Umecky, and Akira Suzuki

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Publication Date (Web): January 11, 2013 (Article)

DOI: 10.1021/je3010062

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**Phase Diagrams of Na<sub>2</sub>CO<sub>3</sub>–CO(NH<sub>2</sub>)<sub>2</sub>–H<sub>2</sub>O<sub>2</sub>–H<sub>2</sub>O System at 0 °C and 25 °C and the Production of Urea Peroxide and Sodium Percarbonate**

Jilin Cao, Huiyong Jing, Tianyang Lan, and Jingjie Wang

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Publication Date (Web): January 16, 2013 (Article)

DOI: 10.1021/je301058k

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DOI: 10.1021/je301134x

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Lubomír Hnědkovský and Ivan Cibulka

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DOI: 10.1021/je301082y

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Shengkai Yang, Yujie Wang, Xuejing Wang, Yong Zhu, and Na Chen

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Publication Date (Web): January 15, 2013 (Article)

DOI: 10.1021/je301122r

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Saif Zahir Al Ghafri, Geoffrey C. Maitland, and J. P. Martin Trusler

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Publication Date (Web): February 4, 2013 (Article)

DOI: 10.1021/je301132p

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Yanmei Zhou, Min Zhang, Xiaoyi Hu, Xinhai Wang, Jingyang Niu, and Tongsen Ma

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Publication Date (Web): January 9, 2013 (Article)

DOI: 10.1021/je301140c

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Qinxiang Li, Qiyuan Chen, Huiping Hu, and Zhiying Ding

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Publication Date (Web): February 1, 2013 (Article)

DOI: 10.1021/je301165n

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Changhai Li, Wei Xu, Dongmei Jia, and Xuewen Liu

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Publication Date (Web): December 31, 2012 (Article)

DOI: 10.1021/je301148t

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Javad Saien, Farzaneh Moghaddamnia, and Hamid Bamdadi

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Publication Date (Web): January 2, 2013 (Article)

DOI: 10.1021/je3011584

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Jingqiang Zhang, Ying Zeng, Yun Peng, and Bo Zong

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Publication Date (Web): January 10, 2013 (Article)

DOI: 10.1021/je301160b

 Section:

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K. Meier and S. Kabelac

pp 446-454

Publication Date (Web): January 22, 2013 (Article)

DOI: 10.1021/je301164d

 Section:

Physical Organic Chemistry



**Solubility of the Aqueous Reciprocal Quaternary System  $\text{Li}^+$ ,  $\text{Na}^+/\text{CO}_3^{2-}$ ,  $\text{SO}_4^{2-}$ - $\text{H}_2\text{O}$  at 273.15 K**

Jiajia Li, Ying Zeng, Xudong Yu, and Yun Peng

pp 455-459

Publication Date (Web): January 2, 2013 (Article)

DOI: 10.1021/je301166y

 Section:

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**Solubility of Carbon Dioxide in Aqueous 2-(2-Aminoethylamine)ethanol (AEEA) Solution and Its Mixtures with *N*-Methyldiethanolamine/2-Amino-2-methyl-1-propanol**

Chao Guo, Shaoyun Chen, and Yongchun Zhang

pp 460-466

Publication Date (Web): January 7, 2013 (Article)

DOI: 10.1021/je301174v

 Section:

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J. M. P. França, S. I. C. Vieira, M. J. V. Lourenço, S. M. S. Murshed, and C. A. Nieto de Castro

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Publication Date (Web): January 30, 2013 (Article)

DOI: 10.1021/je301183r

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**Solid-Liquid Equilibria in the Quaternary Systems KCl-KBr-K<sub>2</sub>B<sub>4</sub>O<sub>7</sub>-H<sub>2</sub>O and KCl-KBr-K<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O at 373 K**

Rui-Zhi Cui, Shi-Hua Sang, and Yong-Xia Hu

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Publication Date (Web): February 1, 2013 (Article)

DOI: 10.1021/je3012056

 Section:

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**Isobaric Vapor-Liquid Equilibrium for the Binary Systems of Methanol, Diethylamine, and N,N-Diethylethanolamine at p = (60.0 and 101.3) kPa**

Changsheng Yang, Zhenli Qin, Yali Xu, Hao Zeng, Feizhong Sun, Ping Zhang, and Yang Feng

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Publication Date (Web): January 15, 2013 (Article)

DOI: 10.1021/je301219c

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Yizhak Marcus

pp 488-491

Publication Date (Web): January 31, 2013 (Article)

DOI: 10.1021/je301277p

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**Isothermal Vapor–Liquid Equilibria of *n*-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate**

Mokhtar Benziane, Kamel Khimeche, Ilham Mokbel, Abdallah Dahmani, and Jacques Jose

pp 492-498

Publication Date (Web): February 4, 2013 (Article)

DOI: 10.1021/je301294a



Section:

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**ADDITIONS AND CORRECTIONS**

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Ahmet Altun and Salim Ok

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Publication Date (Web): January 2, 2013 (Addition/Correction)

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Section:

**Food and Feed Chemistry**