

1. Record Nr.	UNINA9910465309703321
Autore	Kubicek Paul
Titolo	Organized labor in postcommunist states : from solidarity to infirmity / / Paul J. Kubicek
Pubbl/distr/stampa	Pittsburgh, Pennsylvania : , : University of Pittsburgh Press, , 2004 ©2004
ISBN	0-8229-7267-0
Descrizione fisica	1 online resource (273 p.)
Collana	Pitt Series in Russian and Eastern European Studies
Disciplina	331.88/0947
Soggetti	Labor unions - Europe, Eastern Post-communism - Europe, Eastern Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9910140950003321
Titolo	Handbook of aqueous electrolyte thermodynamics [[electronic resource]] : theory & application / / Joseph F. Zemaitis, Jr. ... [et al.]
Pubbl/distr/stampa	New York, N.Y., : Design Institute for Physical Property Data sponsored by the American Institute of Chemical Engineers, c1986
ISBN	1-282-81745-0 9786612817458 0-470-93841-2 0-470-93840-4
Descrizione fisica	1 online resource (876 p.)
Altri autori (Persone)	ZemaitisJoseph F. <b. 1940.>
Disciplina	541.3/746 541.3746
Soggetti	Electrolytes - Thermal properties Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Handbook of Aqueous Electrolyte Thermodynamics Theory & Application; TABLE OF CONTENTS; I INTRODUCTION; II THERMODYNAMICS OF SOLUTIONS; Basic Thermodynamic Functions; Solutions - Basic Definitions and Concepts; Equilibrium - Necessary Conditions; Activities, Activity Coefficients and Standard States; III EQUILIBRIUM CONSTANTS; Ionic and/or Reaction Equilibrium in Aqueous Solutions; Solubility Equilibria Between Crystals and Saturated Solutions; Vapor-Liquid Equilibria in Aqueous Solutions; Temperature Effects on the Equilibrium Constant Estimating Temperature Effects on Heat Capacity and Other Thermodynamic PropertiesEquilibrium Constants from Tabulated Data; Pressure Effects on the Equilibrium Constant; Appendix 3.1 - Criss and Cobble Parameters; IV ACTIVITY COEFFICIENTS OF SINGLE STRONG ELECTROLYTES; History; Limitations and Improvements to the Debye-Huckel Limiting Law; Further Refinements; Bromley's Method; Meissner's Method; Pitzer's Method; Chen's Method; Short Range Interaction Model; Long Range Interaction Model; Temperature Effects;

Bromley's Method; Meissner's Method; Pitzer's Method; Chen's Method; Application

Bromley's Method; Meissner's Method; Pitzer's Method; Chen's Method; NBS Smoothed Experimental Data; Test Cases; HCl; KCl; KOH; NaCl; NaOH; CaCl₂; Na₂SO₄; MgSO₄; Bromley's Extended Equation; MgSO₄ Test Case; Comparison of Temperature Effect Methods; Bromley; Meissner; Pitzer and Chen; Experimental Data; Test Cases; HCl at 50° Celsius; KCl at 80° Celsius; KOH at 80° Celsius; NaCl at 100 and 300° Celsius; NaOH at 35° Celsius; CaCl₂ at 108.85 and 201.85° Celsius; Na₂SO₄ at 80° Celsius; MgSO₄ at 80° Celsius; Appendix 4.1 - Values for Guggenheim's Parameter

Table 1: Values for Uni-univalent Electrolytes; Table 2: and B Values of Bi-univalent and Uni-bivalent Electrolytes from Freezing Points;

Methods for Calculating ; Appendix 4.2 - Bromley Interaction

Parameters; Table 1: B Values at 25°C Determined by the Method of Least Squares on Log $\gamma_{\pm}$ to $I=6.0$ (or less if limited data); Table 2:

Individual Ion Values of B and β in Aqueous Solutions at 25°C; Table 3:

Bivalent Metal Sulfates at 25°C; Appendix 4.3 - Meissner Parameters;

Table: Average Values of Parameter q in Equation (4.46) for Selected Electrolytes; Appendix 4.4 - Pitzer Parameters

Table 1: Inorganic Acids, Bases and Salts of 1-1 Type; Table 2: Salts of Carboxylic Acids (1-1 Type); Table 3: Tetraalkylammonium Halides;

Table 4: Sulfonic Acids and Salts (1-1 Type); Table 5: Additional 1-1

Type Organic Salts; Table 6: Inorganic Compounds of 2-1 Type; Table

7: Organic Electrolytes of 2-1 Type; Table 8: 3-1 Electrolytes; Table 9:

4-1 Electrolytes; Table 10: 5-1 Electrolytes; Table 11: 2-2 Electrolytes;

Appendix 4.5 - Pitzer Parameter Derivatives; Table 1: Temperature Derivatives of Parameters for 1-1 Electrolytes Evaluated from

Calorimetric Data

Table 2: Temperature Derivatives of Parameters for 2-1 and 1-2

Electrolytes Evaluated from Calorimetric Data

Sommario/riassunto

Expertise in electrolyte systems has become increasingly important in traditional CPI operations, as well as in oil/gas exploration and production. This book is the source for predicting electrolyte systems behavior, an indispensable "do-it-yourself" guide, with a blueprint for formulating predictive mathematical electrolyte models, recommended tabular values to use in these models, and annotated bibliographies. The final chapter is a general recipe for formulating complete predictive models for electrolytes, along with a series of worked illustrative examples. It can serve as a useful resea
