



ELSEVIER

Thermochimica Acta 259 (1995) 295–296

thermochimica  
acta

## Volume contents

(Abstracted/Indexed in: *Curr. Contents: Phys., Chem. Earth Sci.; Eng., Technol. Appl. Sci., Chem. Abstr.*,  
*PASCAL/CNRS*)

Vol. 259, No. 1

*Special Issue: Topics in Chemical Thermodynamics, A Collection of Papers Presented at the 13th International Conference on Chemical Thermodynamics (IUPAC), Clermont-Ferrand, France, 17–22 July, 1994*

Preface .....	ix
Heat capacity measurement on $ZrO_x$ ( $x = 0$ –0.31) from 325 to 905 K. Part I. Heat capacity anomaly due to thermal non-equilibrium state at low temperature T. Tsuji and M. Amaya (Nagoya, Japan) .....	1
Standard enthalpies of formation and mixing of hydroxy- and fluorapatites M. Jemal, A.B. Cherifa, I. Khattache and I. Ntahomvukiye (Tunis, Tunisia) .....	13
Excess thermodynamic properties of tetrabutylammonium butyrate aqueous solution G. Jákli and L. Markó (Budapest, Hungary) .....	23
Thermodynamics of the 4-chlorobenzene sulphonic acid–water system J.I. Macnab and J.A. Joy (Manchester, UK) .....	31
Aqueous solution of sodium sulfate. Determination of the dissolution enthalpy at 25, 27.5 and 45°C N. Hubert, M. Bouroukba and L. Schuffenecker (Cédex, France) .....	41
Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and DTAB) and 1-alcohols or phenol K. Busserolles, G. Roux-Desgranges and A. H. Roux (Cédex, France) .....	49
Excess volumes and viscosities of the ternary system water–trifluoroethanol–tetraethylene glycol dimethyl ether at 303.15 K F. Olivé, K.R. Patil, J. Fernandez and A. Coronas (Tarragona, Spain) .....	57
Thermodynamics of adsorption from solutions: non-electrolyte system A. Dabrowski (Lublin, Poland), P. Podkościelny (Bydgoszcz, Poland), J. Goworek (Lublin, Poland) and J.K. Garbacz (Bydgoszcz, Poland) .....	71
Porosity of solids by temperature programmed desorption of liquids—various heating programs J. Goworek, W. Stefaniak and A. Dabrowski (Lublin, Poland) .....	87
Silica-gel-immobilized acetylacetone—some thermodynamic data in non-aqueous solvents Claudio Airoldi (Paulo, Brazil) and E.F.C. Alcântara (Goiás, Brazil) .....	95
Crystallisation of 1-carvone under adiabatic conditions J.C. van Miltenburg, J.P. van der Eerden, H.A.J. Oonk and H.E. Gallis (Utrecht, The Netherlands) .....	103
Equilibrium and thermodynamics for 2-methyl-2-methoxybutane liquid-phase decomposition J.A. Serda, J.F. Izquierdo, J. Tejero, F. Cunill and M. Iborra (Barcelona, Spain) .....	111

**The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate:****Thermochemical and kinetical data**

B. Khoumeri (Corte, France), N. Balbi (Corte, France), J.H. Balbi (Corte, France), ..... 121

A. Bighelli (Ajaccio, France), F. Tomi (Ajaccio, France) and J. Casanova (Ajaccio, France) ..... 121

**Highly Ag<sup>+</sup>-selective podands: thermodynamics of complexation and membrane transport**

S.S. Lee (Chinju, South Korea), J.H. Jung (Chinju, South Korea),

S.H. Yu (Chuncheon, South Korea) and M.H. Cho (Chuncheon, South Korea) ..... 133

**Thermogravimetry/Fourier transform infrared coupling investigations to study the thermal stability of melamine formaldehyde resin**

C. Devallencourt, J.M. Saiter, A. Fafet and E. Ubrich (Cedex, France) ..... 143

**Scanning calorimetric and EPR studies on the thermal stability of actin**

D. Lörinczy and J. Belágyi (Szigeti ut, Hungary) ..... 153

**Loss of organic matter in Atlantic forest soils due to wildfires. Calculation of the ignition temperature**

J. Salgado, M.I. González, J. Armada, M.I. Paz-Andrade, M. Carballas and

T. Carballas (Santiago de Compostela, Spain) ..... 165

**Excess molar enthalpies of 2-propanol + water at 25°C**

M.I. Davis, J.B. Rubio (Texas, USA) and G. Douhéret (Aubière, France) ..... 177

**Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of βCD in aqueous solutions of citric acid**

P. Germain, M. Bilal and C. de Brauer (Villeurbanne, France) ..... 187

**Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures**

H. Piekarski, M. Tkaczyk and D. Waliszewski (Łódź, Poland) ..... 199

**Lead nitrate: a thermal solubility study**

J.R. Payne (Surrey, UK) ..... 207

**Calorimetric determination of the heats of formation of competitive ternary mixed-ligand complex compounds. Copper(II)-12-(2-hydroxy-benzyl)-1,4,7,10-tetraazacyclotridecane-11,13-dione-α-aminoacids and 5-substituted phenanthrolines systems**

H.-K. Lin, S.-R. Zhu, Z.-X. Gu and Y.-T. Chen (Tianjin, China) ..... 215

***Thermal Analysis*****The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour**

G. Štefanić, S. Popović and S. Musić (Zagreb, Croatia) ..... 225

**Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis**

C. Rial and J.M. Jiménez-Mateos (Madrid, Spain) ..... 235

**Preparation, characterisation and thermal properties of some new hydrazinium carboxylates**

K. Kuppusamy, B.N. Sivasankar and S. Govindarajan (Coimbatore, India) ..... 251

**The thermal behaviour of simple aromatic organic compounds with AlC<sub>3</sub> as additives**

M.A. Rashid, T. Hossain and M.A. Asgar (Dhaka, Bangladesh) ..... 263

**Bulk and surface crystallisation of lead tetragermanate glass. A DTA study**

A. Aronne, M. Catauro and P. Pernice (Naples, Italy) ..... 269

**Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine**

R.S. Barbiéri (Viçosa, Brazil), C.R. Bellato and A.C. Massabni (Araraquara, Brazil) ..... 277

***Author Index*** ..... 287***Subject Index*** ..... 289***Volume Contents*** ..... 295