

Thermochimica Acta 259 (1995) 289-293

# thermochimica acta

## Subject index

Acetylacetone

Silica-gel-immobilized acetylacetone-some thermodynamic data in non-aqueous solvents 95

Activation energy

The thermal behaviour of simple aromatic organic compounds with AlCl<sub>3</sub> as additives 263 Activity coefficients

Lead nitrate: a thermal solubility study 207 Thermodynamics of adsorption from solutions: non-electrolyte systems 71

## Additivity

Calorimetric determination of the heats of formation of competitive ternary mixedligand complex compounds. Copper(II)-12-(2'-hydroxy-benzyl)-1,4,7,10-tetraazacyclotri $decane-11,13-dione-<math>\alpha$ -aminoacids and 5-substituted phenanthrolines systems 215

Adiabatic calorimetry

Crystallisation of 1-carvone under adiabatic conditions 103

#### Adsorption

Thermodynamics of adsorption from solutions: non-electrolyte systems 71

#### Amylenes

Equilibrium and thermodynamics for 2methyl-2-methoxybutane liquid-phase decomposition 111

## Ash content

Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis 235

#### Beta-cyclodextrin

Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of  $\beta$ CD in aqueous solutions of citric acid 187

Butanol

Thermodynamic study in aqueous micellar solutions at 298.15 K: Comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

Calorimetry

Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of  $\beta$ CD in aqueous solutions of citric acid 187

Carboxylate

Preparation, characterisation and thermal properties of some new hydrazinium carboxylates 251

Carvone

Crystallisation of 1-carvone under adiabatic conditions 103

Cetyltrimethylammonium bromide

Thermodynamic study in aqueous micellar solutions at 298.15 K: Comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

Chain-stripping

The thermal behaviour of simple aromatic organic compounds with AlCl<sub>3</sub> as additives 263

Chlorobenzene sulphonic acid

Thermodynamics of the 4-chlorobenzene sulphonic acid-water system 31

Citric acid

Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of  $\beta$ CD in aqueous solutions of citric acid 187

Clathrate-like structure

Excess thermodynamic properties of tetrabutylammonium butyrate aqueous solution 23

Complexation

Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of  $\beta$ CD in aqueous solutions of citric acid 187

Highly Ag<sup>+</sup>-selective podands: Thermodynamics of complexation and membrane transport 133

Cross-linking

The thermal behaviour of simple aromatic

organic compounds with AlCl<sub>3</sub> as additives 263 Crystal growth Crystallisation of 1-carvone under adiabatic conditions 103 Crystallisation Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269 Density Excess volumes and viscosities of the ternary system water-trifluoroethanol-tetraethylene glycol dimethyl ether at 303.15 K 57 Diels-Alder reaction The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate: Thermochemical and kinetical data 121 Dissolution enthalpies Aqueous solution of sodium sulfate. Determination of the dissolution enthalpy at 25, 27.5 and 45°C 41 Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures 199 DSC Aqueous solution of sodium sulfate. Determination of the dissolution enthalpy at 25, 27.5 and 45°C 41 Scanning calorimetric and EPR studies on the thermal stability of actin 153 The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour 225 DSC thermograms Loss of organic matter in Atlantic forest soils due to wildfires. Calculation of the ignition temperature 165 DTA Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269 Enthalpies Excess molar enthalpies of 2-propanol + water at 25°C 177 Thermodynamics of the 4-chlorobenzene sulphonic acid-water system 31 Environment application Thermogravimetry/Fourier transform infrared coupling investigations to study the thermal stability of melamine formaldehyde resin 143 EPR Scanning calorimetric and EPR studies on the thermal stability of actin 153 Excess properties

Excess volumes and viscosities of the ternary

glycol dimethyl ether at 303.15 K 57 Fluorapatite Standard enthalpies of formation and mixing of hydroxy- and fluorapatites 13 FTIR The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour 225 G-, F-actin Scanning calorimetric and EPR studies on the thermal stability of actin 153 Gel-like solutions Thermodynamic study in aqueous micellar solutions at 298.15K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49 Glass Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269 Heat capacity 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 1 Heat capacity anomaly 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 1 Heat of formation Calorimetric determination of the heats of formation of competitive ternary mixed- ligand complex compounds. Copper(II)-12-(2'-hydroxy-benzyl)-1,4,7,10-tetraazacyclotri- decane-11,13-dione-a-aminoacids and 5-substituted phenanthrolines systems 215 Heat of fusion The thermal behaviour of simple aromatic organic compounds with AlCl<sub>3</sub> as additives 263 Heat of mixing Standard enthalpies of formation and mixing of hydroxy- and fluorapatites 13 Heat of solution Standard enthalpies of formation and mixing of hydroxy- and fluorapatites 13 Hexanol Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49 Hydrazinium salt Preparation, characterisation and thermal

system water-trifluoroethanol-tetraethylene

properties of some new hydrazinium carboxylates 251 Hydrophobic interaction Excess thermodynamic properties of tetrabutylammonium butyrate aqueous solution 23 Hydroxyapatite Standard enthalpies of formation and mixing of hydroxy- and fluorapatites 13 Immobilization Silica-gel-immobilized acetylacetone-some thermodynamic data in non-aqueous solvents 95 IRS Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269 Preparation, characterisation and thermal properties of some new hydrazinium carboxylates 251 Kinetics The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate: Thermochemical and kinetical data 121 Lead nitrate Lead nitrate: a thermal solubility study 207 Lead tetragermanate Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269 LER Calorimetric determination of the heats of formation of competitive ternary mixedligand complex compounds. Copper(II)-12-(2'-hydroxy-benzyl)-1,4,7,10-tetraazacyclotridecane-11,13-dione-a-aminoacids and 5-substituted phenanthrolines systems 215 Melamine formaldehyde resin Thermogravimetry/Fourier transform infrared coupling investigations to study the thermal stability of melamine formaldehyde resin 143 Membrane transport Highly Ag<sup>+</sup>-selective podands: thermodynamics of complexation and membrane transport 133 2-Methylbutene Equilibrium and thermodynamics for 2methyl-2-methoxybutane liquid-phase decomposition 111 2-Methyl-2-butene Equilibrium and thermodynamics for 2methyl-2-methoxybutane liquid-phase decomposition 111 2-Methyl-2-Methoxybutane Equilibrium and thermodynamics for 2methyl-2-methoxybutane liquid-phase decomposition 111

Mesophase

The thermal behaviour of simple aromatic organic compounds with  $AlCl_3$  as additives 263

Mixtures

Excess molar enthalpies of 2-propanol + water at  $25^{\circ}$ C 177

Modelling

The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate: Thermochemical and kinetical data 121

NaCl

Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures 199

Nal

Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures 199

NMR

Lead nitrate: a thermal solubility study 207 The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate: Thermochemical and kinetical data 121

Non-equilibrium state

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 1

Order-disorder transition

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 1

Pentanol

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

Phenol

Thermodynamic study in aqueous micellar solutions at 298.15K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

Platinum complexes

Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277 dead

Podand

Highly Ag<sup>+</sup>-selective podands: thermodynamics of complexation and membrane transport 133

Polymeric sulfur

Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis 235

Porous structure

Porosity of solids by temperature programmed desorption of liquids—various heating programs 87

#### Propanol

Excess molar enthalpies of 2-propanol + water at  $25^{\circ}C$  177

## Reaction enthalpy

The reaction between 2-methoxyfuran and dimethylacetylenedicarboxylate: Thermochemical and kinetical data 121

## Silica gel

Porosity of solids by temperature programmed desorption of liquids—various heating programs 87

Silica-gel-immobilized acetylacetone—some thermodynamic data in non-aqueous solvents 95

## Silver ion

Highly Ag<sup>+</sup>-selective podands: thermodynamics of complexation and membrane transport 133 Skeletal muscle

Scanning calorimetric and EPR studies on the

thermal stability of actin 153

Sodium dodecylsulphate

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

#### Sodium sulfate

Aqueous solution of sodium sulfate. Determination of the dissolution enthalpy at 25, 27.5 and  $45^{\circ}C$  41

Soil

Loss of organic matter in Atlantic forest soils due to wildfires. Calculation of the ignition temperature 165

Soil combustion enthalpy

Loss of organic matter in Atlantic forest soils due to wildfires. Calculation of the ignition temperature 165

## Soil wildfires

Loss of organic matter in Atlantic forest soils due to wildfires. Calculation of the ignition temperature 165

### Solubility

Beta-cyclodextrin/citric acid complexation equilibrium: thermodynamic study. Apparent solubility of  $\beta$ CD in aqueous solutions of citric acid 187 Solution

Thermodynamics of the 4-chlorobenzene sulphonic acid-water system 31

Lead nitrate: a thermal solubility study 207

Solution excess properties

Excess thermodynamic properties of tetrabutylammonium butyrate aqueous solution 23

Surface heterogeneity

Thermodynamics of adsorption from solutions: non-electrolyte systems 71

#### Surfactants

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

#### TA

Preparation, characterisation and thermal properties of some new hydrazinium carboxylates 251

Tetraazacyclotridecane-dione

Calorimetric determination of the heats of formation of competitive ternary mixedligand complex compounds. Copper(II)-12-(2'-hydroxy-benzyl)-1,4,7,10-tetraazacyclotridecane-11,13-dione- $\alpha$ -aminoacids and 5-substituted phenanthrolines systems 215

Tetrabutylammonium butyrate

Excess thermodynamic properties of tetrabutylammonium butyrate aqueous solution 23

TG

Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis 235

TG/FTIR coupling analysis

Thermogravimetry/Fourier transform infrared coupling investigations to study the thermal stability of melamine formaldehyde resin 143

TGA

Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis 235

The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour 225

Thermal analysis

Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277

Thermal decomposition

Thermal analysis of coordination compounds.

Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277

Thermal desorption

Porosity of solids by temperature programmed desorption of liquids—various heating programs 87

#### Thermodynamic data

Silica-gel-immobilized acetylacetone—some thermodynamic data in non-aqueous solvents 95

## Thermodynamic parameters

Highly Ag<sup>+</sup>-selective podands: thermodynamics of complexation and membrane transport 133

Transfer molar heat capacities

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

## Transfer molar volumes

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49

### Triphenylarsine

Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277

#### Triphenylphosphine

Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277

#### Triphenylstibine

Thermal analysis of coordination compounds. Part 3. Thermal decomposition of platinum complexes containing triphenylphosphine, triphenylarsine and triphenylstibine 277

#### Urea

Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures 199

Viscoelasticity

Thermodynamic study in aqueous micellar solutions at 298.15 K: comparison of the interactions between ionic surfactants (SDS and CTAB) and 1-alcohols or phenol 49 constitu

## Viscosity

Excess volumes and viscosities of the ternary system water-trifluoroethanol-tetraethylene glycol dimethyl ether at 303.15 K 57

## VLE

Thermodynamics of the 4-chlorobenzene sulphonic acid-water system 31

#### Volatile matter

Determination of volatile material and ash content in polymeric sulfur by thermogravimetric analysis 235

#### Water

Excess molar enthalpies of 2-propanol + water at  $25^{\circ}C$  177

Water-1,2-dimethoxyethane mixtures

Calorimetric investigations of NaCl, NaI and urea solutions in water-1,2-dimethoxyethane mixtures 199

## XRD

Bulk and surface crystallisation of lead tetragermanate glass. A DTA study 269

The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour 225

Zirconium hydroxide

The effect of mechanical treatment of zirconium(IV) hydroxide on its thermal behaviour 225

#### Zirconium-oxygen alloy

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 1

## $ZrO_x$

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 1