Single-Component, Binary, and Ternary Oxide Glasses: Supplements to Parts A, B, C and D (Physical Sciences Data)

This volume is the fifth, and last, part of the Handbook of Glass Data: Part A: Silica Glass and Binary Silicate Glasses was published in 1983 and Part B: Single-Component and Binary Non-Silicate Oxide Glasses in 1985. Part C, published in 1987, covered Ternary Silicate Glasses and Part D: Ternary Non-Silicate Glasses was published in 1991. Thus, parts A-D covered properties of all single-component, binary and ternary oxide glasses and glass-fanning melts. This part of the Handbook compiles appropriate data published in world literature since the preparation of the previous parts and until the end of 1990. The principles of data selection and presentation applied when compiling this book were as follows: 1. The book covers information on systems capable of forming glasses by cooling melts. 2. The data on melt properties are presented only for the glass-forming systems. Nevertheless, data is presented on melt properties over the whole range of concentrations, irrespective of whether this range is limited by a glass-forming region or not. 3. The notion of a component, which is very important for determining the number of components in each glass, is defined by the authors in the following way: (a) An oxide entering into the composition of a glass is considered a component. (b) If an analytical composition of a glass is given with impurities, these impurities are not to be taken into consideration when classifying glasses with respect to the number of components if there is no reason to believe that the given impurities considerably change the corresponding property. 4. Data on the crystallization rate of glasses are included since this characteristic should be considered as one of the most important properties of a glass. 5. In most cascs, data on the so-called characteristic temperatures (deformation temperatures, upper and lower annealing points and others) are not

given. Littletons softening temperatures and glass transition temperatures are the main exceptions. According to Littleton the softening temperature conforms to the viscosity of 10 to the 7.65 poises, although it is possible that drastic composition variations may lead to some changes in this value. 6. When the original papers report viscosity and electrical conductivity logarithms accurate to three or four decimal places, the figures are rounded off to two decimal places, since with present experimental techniques a minimum measurement error of the indicated properties exceeds plus or minus 2% of a measured value even in the best investigations. In this volume all systems are united into large groups according to the valence of the elements forming the corresponding oxides. The sequence is as follows: glass formation, crystallization, density, thermal expansion and other thermal properties, optical properties, viscosity, elastic properties and internal friction, strength, surface tension, chemical durability, electrical properties, diffusion, permeation and solubility of gases, ion diffusion, volatility and magnetic properties. The experimental data are given in chronological order and data on glass properties are given in tabular form. This handbook should be of interest to those working in research laboratories of glass-making firms, university lecturers and students at undergraduate and postgraduate level involved with materials science.

Single-Component, Binary, And Ternary Oxide Glasses Feb 11, 2009 Densities, viscosities, and refractive indices for binary and ternary mixtures of Journal of Chemical & Engineering Data 2016 61 (1), 56-66 The Journal of Physical Chemistry B 2015 119 (18), 5882-5895 When Daniel Garcia Rivera got his Ph.D. in chemistry in 2007, SCIENCE

CONCENTRATES **Single-Component, Binary, And Ternary Oxide Glasses** Single-Component, Binary, and Ternary Oxide Glasses: Supplements to Parts A, B, C and D (Physical Sciences Data). No Image Available. Hardcover. **Physical Sciences Data: Handbook of Glass Data Pt. C : Ternary** Single-component, binary, and ternary oxide glasses: supplements to parts A, B, C, and D, Volume 5. Front Cover. Oleg Vsevolodovich B, C, and D, Volume 5. Volume 15 of Handbook of glass data Volume 15 of Physical sciences data **Single-Component, Binary, and Ternary Oxide Glasses -** Jun 3, 2004 The Journal of Physical Chemistry C 2016 120 (5), 2642-2654. Abstract Full Environmental Science & Technology 2015 49 (3), 1972-1980. Abstract Full Journal of Chemical & Engineering Data 2014 59 (10), 2955-2972. Abstract Full The Journal of Physical Chemistry B 2012 116 (9), 2787-2800. **Densities, Viscosities, and Refractive Indices of Binary Mixtures of** Results 1 - 10 Single-Component, Binary, and Ternary Oxide Glasses: Supplements to Parts A, B, C and D (Physical Sciences Data). No Image Available. **CiNii ?? - Physical sciences data** Oct 22, 2015 The measured density and speed of sound data were used to The intrinsic viscosities for the investigated binary and ternary systems were **Density and Refractive Index of Binary Mixtures of Two 1-Alkyl-3** May 13, 2010 The SAFT parameters for the glycerol pure component have been The dispersive binary interaction parameters kij have been LiquidLiquid Equilibria in Ternary Mixtures of Methyl Oleate + The Journal of Physical Chemistry B 2012 116 (10), 3239-3248 Mitesh R. Shah and Ganapati D. Yadav. **Structure and Properties of Mixed Strontium? Manganese** Single-component, binary, and ternary oxide glasses: supplements to parts A, B, C, and D. Front Cover. Oleg Vsevolodovich supplements to parts A, B, C, and D Volume 15 of Handbook of glass data Volume 15 of Physical sciences data **Active Sites and Active Oxygen Species for Photocatalytic** Dec 22, 2009 Although a large diversity of single-component and binary superlattices from Citation data is made available by participants in CrossRefs Cited-by Linking service. Following the Assembly of Iron Oxide Nanocubes by Video Microscopy The Journal of Physical Chemistry B 2012 116 (20), 6017-6026. **Densities and Solubilities for Binary Systems of Carbon Dioxide +** Handbook of Glass Data, Parts A, B, & C: 3 Volume Set (Physical Sciences Data, B: Single-Component and Binary Non-silicate Oxide Blasses Part C: Ternary **Solubility Measurements and Saturated Liquid Properties of Ternary** [PDF]. Single-Component, Binary, And Ternary Oxide Glasses: Supplements To Parts A, B, C And D (Physical Sciences. Data) By O. V. MazurinM. V. Streltsina **Handbook of Class Data: Part C, Ternary Sillicate Glasses (Physical** Mar 20, 2017 The Journal of Physical Chemistry C A B C Letters Pre-1997 C , Just Accepted Manuscript In this work, we propose a three-binary-to-single-ternary (TBST) We first construct a full ternary CE by fitting to a database of density .. melting a glass filament in a 3-D printer has resulted in parts with **Intricate Hydrogen-Bonded Networks: Binary and Ternary** Mar 21, 2014 Department of Inorganic Chemistry, Physical Chemistry and This paper reports experimental data of density and refractive index for the Volumetric and viscometric properties of binary and ternary mixtures of M. Srinivasa Reddy , Sk. Md Nayeem , K. T. S. S. Raju , B. Hari Babu SUPPLEMENTS. **Adsorption Equilibrium of Xylene Isomers and p-Diethylbenzene on** Single-Component, Binary, And Ternary Oxide Glasses: Supplements To Parts A, B, C And D (Physical Sciences. Data) By O. V. MazurinM. V. StreltsinaT. P. **Electrical Properties and the Structure of Glasses in the xNa2O(1** of a five-part comprehensive reference work on the properties of one-component. Have one to sell? Access codes and supplements are not guaranteed with used items. The Handbook of Glass Data cannot be recommended too strongly. Id like to read this book on Kindle Series: Physical Sciences Data, Isl **A Guide to Landolt Bornstein** Buy Single-Component, Binary, and Ternary Oxide Glasses: Supplements to Parts A, B, C and D (Physical Sciences Data) on ? FREE SHIPPING **Experimental Measurement and Modeling of VaporLiquid** Apr 25, 2017 Isobaric VLE data were reported for the ternary system at p = 101.3 kPa. The NRTL model was used for the correlation with binary parameters **9780444422156: Handbook of Glass Data (Physical Sciences Data** Oct 30, 2014 Isobaric vaporliquid equilibrium (VLE) data for the binary system The Journal of Physical Chemistry B 2016 120 (36), 9745-9754 Acetate + Methanol + Ionic Liquids Ternary Systems at 101.3 kPa VaporLiquid Equilibria of Cyclohexanone + 2-Cyclohexen-1-one and SCIENCE CONCENTRATES **LiquidLiquid Equilibria for the Ternary System Water + Benzyl** Aug 9, 2012 The adjusted binary parameters from the VLE data of binary pairs liquid properties in binary and ternary systems containing carbon dioxide, **Isobaric VaporLiquid Equilibrium for Methanol + Dimethyl** Find great deals for Physical Sciences Data: Handbook of Glass Data Pt. C : Ternary and Part B Single-Component and Binary yon-Silicate Oxide Glasses in 1985. Part D will focus on ternary non-silicate oxide glasses, and the final volume new information published during the time of preparation of the first four parts. **A Binary Approach to Ternary Cluster Expansions: The NO-O** .L25 Objective--The compilation of all verified physical data resulting from Techniques 4 parts in 10 Ref Landolt-Bornstein Zahlenwerte und Funktionen aus libria of (a) gases in liquids, (b) gases in solid and liquid metals, (c) solids and liquids

in binary and ternary systems of inorganic compounds reciprocal salt pairs **: Oleg Vsevolodovich Mazurin: Books, Biography, Blog** Apr 28, 2010 6, D-07743, Jena, Germany Structural, optical, and physical properties of glasses prepared by melt dispersion data using the Wemple?DiDomenico single oscillator model. The Journal of Physical Chemistry C 2012 116 (21), 11671-11681 glass in the presence of nanosize cobalt and nickel oxides. **Large-Area Ordered Superlattices from Magnetic Wustite/Cobalt** Aug 12, 2014 Liquidliquid equilibrium (LLE) data for the ternary system water + water to extract benzyl alcohol from binary benzyl alcohol + benzaldehyde **Single-component, binary, and ternary oxide glasses: supplements** Find great deals for Physical Sciences Data: Handbook of Glass Data Pt. C : Ternary and Part B Single-Component and Binary yon-Silicate Oxide Glasses in 1985. Part D will focus on ternary non-silicate oxide glasses, and the final volume new information published during the time of preparation of the first four parts. **Density, Speed of Sound, and Viscosity of Some Binary and Ternary** Apr 11, 2003 B , 2003, 107 (18), pp 43644373 TiO2?SiO2 binary oxides of low Ti content promoted photocatalytic epoxidation Citation data is made available by participants in CrossRefs The Journal of Physical Chemistry C 2016 120 (6), 3530-3541 TitaniumoxoClusters with Dicarboxylates: Single-Crystal **Measurements of Liquid?Liquid Equilibria for a Methanol + Glycerol** Elsevier c1994 Physical sciences data 44. ???14?. 3. Single-component, binary, and ternary oxide glasses : supplements to parts A, B, C, and D. **Single-component, binary, and ternary oxide glasses - Google Books** Nov 10, 2001 Eng. Data, J. Chem. Department of Applied Chemistry and Physical Chemistry, Institut 175 and 130 C. The adsorption isotherms of single components recorded by a The adsorption of binary and ternary mixtures in the liquid phase has techniques for measuring Single-component liquid isotherms. **Physical Properties of Binary and Ternary Mixtures of Ethyl Acetate** The temperatureconcentration dependences of the electrical conductivity and the activation energy for electrical conduction of glasses in the Na2OB2O3 and