sodium chloride

Other names:	Salt
Inchi:	InChI=1S/ClH.Na/h1H;/q;+1/p-1
InchiKey:	FAPWRFPIFSIZLT-UHFFFAOYSA-M
Formula:	ClNa
SMILES:	[Cl-].[Na+]
Mol. weight [g/mol]:	58.44
CAS:	7647-14-5

Physical Properties

Property code	Value	Unit	Source
ea	0.73 ± 0.01	eV	NIST Webbook
ea	0.77	eV	NIST Webbook
ea	1.28	eV	NIST Webbook
ie	9.20	eV	NIST Webbook
ie	10.00	eV	NIST Webbook
ie	8.90 ± 0.10	eV	NIST Webbook
ie	8.92 ± 0.06	eV	NIST Webbook
ie	9.80 ± 0.04	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
tf	1074.00	K	Ultrasonic velocity for an equimolar mixture of molten AgI and NaCl in the biphasic region
tf	1074.00	K	Densities of a dissolving mixture of molten (AgI + NaCl)
tt	1074.00	K	Phase-boundary potential in the two-liquid-phase (AgI + NaCl) system

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

rhos	1931.20	kg/m3	1013.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1905.80	kg/m3	1023.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1890.40	kg/m3	1033.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1888.30	kg/m3	1043.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1882.00	kg/m3	1053.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1884.90	kg/m3	1063.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	1889.80	kg/m3	1073.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.63209e+01
Coeff. B	-1.94159e+04
Coeff. C	-7.90800e+01
Temperature range (K), min.	1073.90
Temperature range (K), max.	1738.20

Sources

Solubility of Sodium Salts in Ammonium-Based Deep Eutectic Solvents:	https://www.doi.org/10.1021/je400045d
Solubility Measurement and Thermodynamic Modeling of Solid-Liquid Equilibria in the MCl-M2B4O7-H2O (M = Li, Na) Systems:	https://www.doi.org/10.1021/acs.jced.9b00561
Solubility Behavior of Calcium Sulfate Dihydrate (Gypsum) in an Aqueous Sodium Chloride System in the Presence of Hydroxyalkyl Ammonium Acetate Ionic Liquids Additives:	https://www.doi.org/10.1021/acs.jced.9b00354
Mutual diffusion coefficients of 3-methyl-1-butanol + n-heptane and 3-methyl-1-butanol + n-heptane from 293.15 to 313.15 K:	https://www.doi.org/10.1016/j.jct.2018.10.023
Molecular interactions of sodium salicylate in physiological media under the influence of electrolyte/non-electrolyte at different temperatures: Volumetric and acoustic study:	https://www.doi.org/10.1016/j.jct.2017.08.002
Solubility, Morphology Changes and Physicochemical Solution Properties of 4,4'-Bis[[4-morpholino-6-(p-sulfonatoanilino)-1,3,5-triazin-2-yl]amino] stilbene-2,2'-disulfonate in Sodium Chloride + Water from (278.15 to 318.15) K:	https://www.doi.org/10.1021/je8002145
Solubility behaviour and thermodynamic analysis of methyleneaminoacetonitrile in binary (ethanol + water, ethanol + 2-propanol, ethanol + n-butanol) solvents:	https://www.doi.org/10.1016/j.jct.2019.06.009
Measurement of Interfacial Tension of CO2 and NaCl Aqueous Solution over Wide Temperature, Pressure, and Salinity Ranges:	https://www.doi.org/10.1021/acs.jced.6b00858
Thermodynamic investigation of the ternary mixed electrolyte (NaCl + Na2HCit + H2O) system using potentiometric measurements at T = (298.2 and 308.2) K:	https://www.doi.org/10.1016/j.jct.2014.06.007
Surface Tension of Glycine, Alanine, Aminobutyric Acid, Norvaline, and Norleucine in Water and in Aqueous Solutions of Strong Electrolytes at Temperatures from (293.15 to 313.15) K:	https://www.doi.org/10.1021/acs.jced.7b00433
Solubility of Hexafluorobenzene in Aqueous Salt Solutions from (280 to 340) K:	https://www.doi.org/10.1021/je049707h
Solid-Liquid Equilibria for (NaNO3 + NaCl + H2O) and (NaNO3 + Na2CO3 + H2O) Systems at 313.15 K:	https://www.doi.org/10.1021/acs.jced.8b00415
Influence of Sodium Salts on the Micellization and Interfacial Behavior of Cationic Surfactant Dodecyltrimethylammonium Bromide in Aqueous Solution:	https://www.doi.org/10.1021/je501058a
Study of the solubility, viscosity and density in Na+, Zn2+/Cl- - H2O, Na+ - Zn2+/(H2PO2) - H2O, Na+, Cl-/(H2PO2) - H2O, and Zn2+, Cl-/(H2PO2) - H2O ternary systems, and in Na+, Zn2+/Cl-, (H2PO2)//H2O reciprocal quaternary system at 273.15 K:	https://www.doi.org/10.1016/j.jct.2014.04.014
Sodium salts solubility in ternary glycerol+water+alcohol mixtures present in purification process of crude glycerol from the biodiesel industry:	https://www.doi.org/10.1016/j.fluid.2019.05.023
Volumetric and viscometric studies of cefepime hydrochloride in water and normal saline from (278.15 to 313.15) K:	https://www.doi.org/10.1016/j.jct.2013.06.009
Determination of CO2 Solubility in Water and NaCl Solutions under Geological Sequestration Conditions Using a Fused Silica Capillary Cell with in Situ Raman Spectroscopy:	https://www.doi.org/10.1021/acs.jced.9b00013
Solid-Liquid Phase Equilibria in the Ternary Systems NaCl-ZnCl2-H2O and CsCl-ZnCl2-H2O at 298.15 K:	https://www.doi.org/10.1021/acs.jced.9b00422
Solubility of NaCl, NaBr, and KCl in Water, Methanol, Ethanol, and Their Mixed Solvents:	https://www.doi.org/10.1021/je049922y
Salt Effect on the Liquid-Liquid Equilibrium for the Water-Ethylene Glycol-Ethylene Glycol Diacetate System:	https://www.doi.org/10.1021/acs.jced.8b01248
Volumetric properties of betaine hydrochloride drug in aqueous NaCl and KCl solutions at different temperatures:	https://www.doi.org/10.1016/j.tca.2014.10.019
Effect of temperature on the partial molar volume, isentropic compressibility and viscosity of DL-2-aminobutyric acid in water and in aqueous sodium chloride solutions:	https://www.doi.org/10.1016/j.jct.2016.09.040
Experimental Measurement of CO2 Solubility in Aqueous NaCl Solution at Temperature from 323.15 to 423.15 K and Pressure of up to 20 MPa:	https://www.doi.org/10.1021/acs.jced.6b00505
Densities and viscosities of cefodizime sodium in water and normal saline from (278.15 to 313.15) K:	https://www.doi.org/10.1016/j.tca.2013.06.031
Dilution thermodynamics of the biologically relevant cation mixtures:	https://www.doi.org/10.1016/j.tca.2013.10.019
Partial molar volume of NaCl and CsCl in mixtures of water and methanol by experiment and molecular simulation:	https://www.doi.org/10.1016/j.fluid.2017.10.034
Densities of the NaNO3 + NaCl + H2O and NaNO3 + KCl + H2O Systems and Their Correlation with the Pitzer Model:	https://www.doi.org/10.1021/je800638f
Solid-Liquid Phase Equilibria in the Aqueous Systems (CaCl2 + SrCl2 + H2O) and (NaCl + CaCl2 + SrCl2 + H2O) at 288.15 K:	https://www.doi.org/10.1021/acs.jced.9b00154
Solubilities of Sodium Chloride and Potassium Chloride in Water + Ethanol Mixtures from (298 to 323) K:	https://www.doi.org/10.1021/je049782s
Study on solid-liquid phase equilibria in ionic liquid 1. The solubility of alkali chloride (MCl) in ionic liquid EMISE:	https://www.doi.org/10.1016/j.fluid.2006.10.018
Temperature and salt addition effects on the solubility behaviour of some phenolic compounds in water:	https://www.doi.org/10.1016/j.jct.2006.06.014
Vapor Pressure Measurement for the Ternary System of Water, Lithium Bromide, and 1-Ethyl-3-methylimidazolium Acetate:	https://www.doi.org/10.1021/acs.jced.7b00951
Measurement and modelling of interfacial tension in methane/water and methane/brine systems at reservoir conditions:	https://www.doi.org/10.1016/j.fluid.2015.09.050
Mineral solubilities of salts in the three quaternary systems: LiCl-NaCl-MgCl2-H2O, LiCl-KCl-MgCl2-H2O and Li2SO4-K2SO4-MgSO4-H2O at 288.15 K:	https://www.doi.org/10.1016/j.jct.2018.12.011
Solubility and Stability of Nesquehonite (MgCO3*3H2O) in NaCl, KCl, MgCl2, and NH4Cl Solutions:	https://www.doi.org/10.1021/je800438p
Enthalpic Interaction Coefficients of N-(N- Glycylglycyl)glycine in Aqueous Sodium Chloride and Potassium Chloride Solutions at 298.15 K:	https://www.doi.org/10.1021/je900849b
Combined effects of salinity and temperature on the solubility of organic compounds:	https://www.doi.org/10.1016/j.jct.2011.11.020
Effect of 1-carboxymethyl-3-methylimidazolium chloride ionic liquid on thermodynamic and solubility of L-threonine in water at 298.15 K and atmospheric pressure:	https://www.doi.org/10.1016/j.fluid.2014.07.001

Experimental and thermodynamic modeling study of the solid-liquid equilibrium in the ternary system ($NaCl + NaClO_3 + H_2O$) at 293.15 and 323.15 K	https://www.doi.org/10.1016/j.jct.2018.06.026
Enthalpies of Dilution of (2R,3R,4R,5R)-Hexane-1,2,3,4,5,6-hexol in Aqueous Sodium Halide Solutions at T = (293.15 to 318.15) K	https://www.doi.org/10.1021/je1007394
Volumetric and Compressibility ... NaBr, NaI, $NaBPh_4$ and Bu_4NI in Water + 2-Ethoxyethanol Mixtures at 298.15 K	https://www.doi.org/10.1021/je9006184
Carbon dioxide solubility in aqueous solutions of NaCl: Measurements and modeling with electrolyte equations of state	https://www.doi.org/10.1016/j.fluid.2014.12.043
Effect of Salt on the Micellization of Partially Fluorinated Octylesters and Hydrogenated Dodecylesters in Water	https://www.doi.org/10.1021/je4010382
Thermodynamics of complexation of aqueous 18-crown-6 with sodium ion: apparent molar volumes and apparent molar heat capacities of aqueous (18-crown-6 + sodium chloride) ...	https://www.doi.org/10.1016/j.jct.2005.01.011
Thermodynamic Properties of the Water + ... imidazolium ...	https://www.doi.org/10.1021/je3007953
Physicochemical properties of an anticonvulsant drug sodium valproate ...	https://www.doi.org/10.1016/j.jct.2015.06.025
Modeling ... Mixed Aqueous ... Solutions ...	https://www.doi.org/10.1021/je800732f
Refractive Indices for the Ternary Systems Ethylene Glycol + NaCl + H_2O, ... Ethylene Glycol + CsCl + H_2O at 298.15 K	https://www.doi.org/10.1021/je900630n
Enthalpy and solubility data of CO_2 in water and NaCl(aq) at conditions of ...	https://www.doi.org/10.1016/j.fluid.2006.06.006
Salting effect on the liquid-liquid equilibria for the ternary system water + N-methyl-2-pyrrolidone + 1-pentanol	https://www.doi.org/10.1016/j.fluid.2008.01.008
Volumetric and Viscometric Properties of Some Sulpha Drugs in Aqueous Solutions of Sodium Chloride at T = (298.15 to 313.15) K	https://www.doi.org/10.1021/je900798p
Solubility of RbCl and CsCl in pure water at subzero temperatures, heat capacity of RbCl(aq) and CsCl(aq) at T = 298.15 K, and thermodynamic ...	https://www.doi.org/10.1016/j.jct.2016.09.031
Densities of Aqueous $MgCl_2$(aq), $CaCl_2$(aq), KI(aq), NaCl(aq), KCl(aq), ... at Temperatures Between (283 and 472) K, Pressures up to 68.5 MPa, and Molalities up to 6 mol·kg-1	https://www.doi.org/10.1021/je2013704
Vapor Pressures of Aqueous Solutions with Mixed Salts of NaCl + ...	https://www.doi.org/10.1021/je020144o
Solubility of 2,7-Dihydroxynaphthalene in Binary Sodium Chloride + Water, Sodium Sulfate + Water, and Ethanol + Water Solvent Mixtures at Elevated Temperatures	https://www.doi.org/10.1021/je200530g
... ionic liquids in aqueous salt solutions at 298.15 K	https://www.doi.org/10.1016/j.jct.2011.03.002
Stable Phase Equilibria of the Quaternary System Na+//Cl-, NO3-, SO42- - H_2O at 348.15 K	https://www.doi.org/10.1021/acs.jced.8b00198
Viscosity of Aqueous NaCl Solutions with Dissolved CO_2 at (30 to 60)?C and (10 to 20) MPa	https://www.doi.org/10.1021/je049940f
Simultaneous determination of enthalpies of dilution and dissociation of protocatechuic acid in aqueous salt solutions by calorimetric measurements	https://www.doi.org/10.1016/j.jct.2015.07.029
Effect of Salt Type and Alkyl Chain Length on the Binodal Curve of an Aqueous Two-Phase System ...	https://www.doi.org/10.1021/acs.jced.8b00188
Evaluation of the vapour pressure of aqueous NaCl/ionic liquid ...	https://www.doi.org/10.1016/j.fluid.2016.01.048
Equilibrium solubility of sodium 2-naphthalenesulfonate in binary (sodium chloride + water), (sodium sulfate + water) and (ethanol + water) solvent mixtures at temperatures from ...	https://www.doi.org/10.1016/j.jct.2014.11.011
Enthalpies of Dilution of Formamide and N,N-Dimethylformamide in Aqueous ...	https://www.doi.org/10.1021/je8000393
Measurement and Correlation ... 298.15 K: ...	https://www.doi.org/10.1021/acs.jced.8b01205
Solubility of 2-Cyanoacetamide in 14 Pure Solvents ... Determination and the Mixing Properties of the Solutions	https://www.doi.org/10.1021/acs.jced.7b00436
Modeling of the Solubility of Sodium Chloride in Subcritical Water from (568 to 598) K and (10 to 25) MPa / Compositions, Densities, and Refractive Indices of Potassium Chloride + Ethanol + Water and Sodium Chloride + Ethanol + Water Solutions at (298.15 and 313.15) K	https://www.doi.org/10.1021/je020173z
Densities of dissolving mixtures of molten (AgI + NaCl)	https://www.doi.org/10.1016/j.jct.2013.03.027
Phase equilibrium in systems with ionic liquids: An example for the downstream process of the Biphasic Acid Scavenging utilizing Ionic Liquids (BASIL) process	https://www.doi.org/10.1016/j.jct.2011.05.027
Enthalpies of Dilution for myo-Inositol in Aqueous Alkali Metal Salt and ...	https://www.doi.org/10.1021/je060492g
Extension of Vibrating-Wire Viscometry to Electrically Conducting Fluids and Measurements of Viscosity and Density of Brines with Dissolved CO_2 at Reservoir Conditions	https://www.doi.org/10.1021/acs.jced.9b00248
Solubility of $NaHCO_3$ and NH_4HCO_3 in the Relevant Media and Prediction of the Phase Equilibria for the NH_3-CO_2-NaCl-H_2O System	https://www.doi.org/10.1021/acs.jced.7b00790
Study on the Phase Equilibrium of Na+, K+//Cl-, CO32- - H_2O and Single-Salt of Potassium ...	https://www.doi.org/10.1021/acs.jced.9b00367
... L-Phenylalanine, L-Leucine, L-Glutamic Acid, and L-Proline + 2 mol·L-1 Aqueous $NaNO_3$ Solutions from (298.15 to 313.15) K ... Compressed CO_2	https://www.doi.org/10.1021/je900909s
(Solid + liquid) phase equilibrium for the ternary system (NaCl + Na_2HPO_4 + H_2O) ...	https://www.doi.org/10.1016/j.jct.2014.05.011
Phase boundary, potential, and the two-liquid-phase (AgI + NaCl) system:	https://www.doi.org/10.1016/j.jct.2015.06.015
Phase Diagrams of the Quaternary System NaCl MgCl2 NH4Cl in Water at 0 and 25 deg C and Their Application:	https://www.doi.org/10.1021/acs.jced.5b00639
Temperature Dependence of the Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation	https://www.doi.org/10.1021/je500420g
Solubilities of Selected PCDDs and PCDFs in Water and Various Chloride Solutions	https://www.doi.org/10.1021/je700185m
Stable (solid + liquid) phase equilibrium for the ternary system (NaCl + RbCl + H_2O) at T = (298.15 and 308.15)	https://www.doi.org/10.1016/j.jct.2016.12.007
Investigation on Solid-Liquid Equilibria of the Na+//Cl-, NO3-, SO42--H2O System and the Na+//NO3-, SO42--H2O System at 318.15 K	https://www.doi.org/10.1021/acs.jced.8b01110
Binary Mixtures of Sodium Salt of Ibuprofen and Selected Bile Salts: Interface, Micellar, Thermodynamic, and Spectroscopic Study:	https://www.doi.org/10.1021/acs.jced.7b00298

Experimental Study on the Solubility of Carbon Dioxide in Systems Containing Ethane-1,2-diol + Water + Salt (Sodium Chloride or Calcium Carbonate):	https://www.doi.org/10.1021/acs.jced.6b00381
Solid-liquid equilibrium for the ternary systems (Na2CO3 + NaCl + H2O) and (Na2CO3 + Na2SO4 + H2O) at 313.15 K and atmospheric pressure:	https://www.doi.org/10.1016/j.jct.2019.02.017
Activity Coefficients at Infinite Dilution of Volatile Compounds in Water: Effect of Temperature and Salt Concentration:	https://www.doi.org/10.1021/je2013878
Mean Activity Coefficients and Osmotic Coefficients in Dilute Aqueous Sodium or Potassium Chloride Solutions at Temperatures from (0 to 70) degC:	https://www.doi.org/10.1021/acs.jced.5b00544
Volumetric properties of MES, MOPS, MOPSO, and MOBS in water and in aqueous electrolyte solutions:	https://www.doi.org/10.1016/j.tca.2010.04.004
Solid-liquid equilibrium and thermodynamic research of 3-Thiophenecarboxylic acid in (water + acetic acid) binary solvent mixtures:	https://www.doi.org/10.1016/j.tca.2014.11.008
Volumetric, Viscometric and Spectroscopic Approach to Study the Solvation Behavior of Xanthine Drugs in Aqueous Solutions of NaCl at T = 288.15-318.15 K and at p = 101.325 kPa:	https://www.doi.org/10.1021/acs.jced.6b00273
Enthalpies of Dilution of N-Glycylglycine in Aqueous Sodium Chloride and Potassium Chloride Solutions at 298.15 K:	https://www.doi.org/10.1021/je9004504
Solubility of proline-leucine dipeptide in water and in aqueous sodium chloride solutions from T = (288.15 to 313.15) K:	https://www.doi.org/10.1016/j.jct.2005.05.009
Determination of Solubility of Sodium Salts in Aqueous Surfactant and STPP Solutions Using an Ion Selective Electrode:	https://www.doi.org/10.1021/acs.jced.5b00926
Re-Evaluation of the Thermodynamic Activity Quantities in Aqueous Sodium and Potassium Chloride Solutions at 25 degC:	https://www.doi.org/10.1021/je800188a
Volumetric and heat capacity studies of heterocyclic compounds in aqueous amino acids buffer solutions at 298.15 K:	https://www.doi.org/10.1016/j.jct.2018.10.027
Vapor Pressure Measurement of Ternary Systems LiCl + [Emim]Cl + H2O, LiBr + [Emim]Cl + H2O, and LiCl + [Emim]Br + H2O:	https://www.doi.org/10.1021/acs.jced.8b01217
Solubility of Sodium 4-Nitrobenzenesulfonate in Binary Sodium Chloride + Water, Sodium Sulfate + Water, and Ethanol + Water Solvent Mixtures at Elevated Temperatures:	https://www.doi.org/10.1021/je2010165
Equilibrium Solubility of Sodium 3-Nitrobenzenesulfonate in Binary NaCl + H2O, Na2SO4 + H2O, and C2H5OH + H2O Solvent Mixtures at Elevated Temperatures from (273.15 to 323.15) K:	https://www.doi.org/10.1021/je3010134
Apparent Molar Volume, Adiabatic Compressibility, and Critical Micelle Concentration of [illegible] in Aqueous NaCl Solutions at Different Temperatures:	https://www.doi.org/10.1021/acs.jced.5b00317
Solvation of Basic and Neutral Amino Acids in Aqueous Electrolytic Solutions: Measurements and Modeling:	https://www.doi.org/10.1021/acs.jced.5b00393
Aggregation of sodium salt of ibuprofen and sodium taurocholate mixture in different media: A tensiometry and fluorimetry study:	https://www.doi.org/10.1016/j.jct.2018.02.019
Salt effect on liquid-liquid equilibria of tetrahydrofuran/water/5-hydroxymethylfurfural systems:	https://www.doi.org/10.1016/j.fluid.2019.04.018
Solubility of n-Hexane and Setchenov's Constants in Aqueous Solutions of KCl, NaCl, NaBr, and NaNO3:	https://www.doi.org/10.1021/acs.jced.9b00384
Activity of Water in Aqueous Solutions of Sodium Citrate and in Aqueous Solutions of (An Inorganic Salt and Citric Acid) at 298.15 K:	https://www.doi.org/10.1021/je034258r
Solubility of Sodium Oxalate in Concentrated Electrolyte Solutions:	https://www.doi.org/10.1021/acs.jced.7b00690
Phase Behavior and Spectroscopic Properties for Ternary Systems Water + Sodium Chloride + Diethylene Glycol Monobutyl Ether at 303.15 K and Atmospheric Pressure:	https://www.doi.org/10.1021/je200963q
Thermodynamic Properties and Solubility of Sodium and Potassium Chloride in Ethane-1,2-diol/Water Mixed Solvent Systems to High Temperatures:	https://www.doi.org/10.1021/acs.jced.6b00842
Equilibrium solubility of sodium 3-sulfobenzoate in binary (sodium chloride + water), (sodium sulfate + water), and (ethanol + water) solvent mixtures at temperatures from (278.15 to 323.15) K:	https://www.doi.org/10.1016/j.jct.2014.07.007
Solubilities, Densities and Refractive Indices for the Ternary Systems Glycerin + MCl + H2O (M = Na, K, Rb, Cs) at (298.15 and 308.15) K:	https://www.doi.org/10.1021/je200443t
Experimental Determination and Thermodynamic Modeling of Solid–Liquid Equilibria in the Quaternary System NaCl–KCl–SrCl2–H2O at 288.15 K:	https://www.doi.org/10.1021/acs.jced.8b00510
Solubility Measurement and Modeling for the NaCl–NH4Cl–Monoethylene Glycol–H2O System from (273 to 353) K:	https://www.doi.org/10.1021/acs.jced.5b00053
Solubility of NaBr, NaCl, and KBr in Surfactant Aqueous Solutions:	https://www.doi.org/10.1021/je100905g
The solid-liquid equilibrium of the binary system H2O-DMSO and the influence of a salt (NaCl, KCl) on the thermodynamic behavior Correlations using a revised LIQUAC model:	https://www.doi.org/10.1016/j.fluid.2011.01.026
Vapor liquid equilibrium in systems (water + organic solvent + salt) at low water concentration and high ratios of salt to water: experimental results and modeling:	https://www.doi.org/10.1016/j.fluid.2004.07.017
Measurement and Correlation of the Solubility of Febuxostat in Four Organic Solvents at Various Temperatures:	https://www.doi.org/10.1021/je300647k
Solid-Liquid Equilibria in the Quaternary System Na+,K+//HPO42-,Cl--H2O and Its Subsystems Na+//HPO42-,Cl--H2O, K+//HPO42-,Cl--H2O, and Na+,K+//HPO42--H2O at 298.2 K:	https://www.doi.org/10.1021/acs.jced.7b00413
Calorimetric study of the entropy relation in the NaCl–KCl system:	https://www.doi.org/10.1016/j.jct.2013.03.015
The Effects of Temperature and Inorganic Salts on the Aqueous Solubility of Selected Chlorobenzenes:	https://www.doi.org/10.1021/je034170d
Solubility measurement and thermodynamic modeling of solid-liquid equilibria in quaternary system NaCl-CaCl2-SrCl2-H2O at 323.15 K:	https://www.doi.org/10.1016/j.jct.2019.04.015
Crystal structure and thermochemical properties of a novel coordination compound manganese D-gluconate tetrahydrate:	https://www.doi.org/10.1016/j.jct.2014.03.009
Measurement and Correlation for Solubility of 2-Bromopropane and Thiourea in Water:	https://www.doi.org/10.1021/je800796h
Viscosity and Density of Ternary Solution of Calcium Chloride + Sodium Chloride + Water from T = (293.15 to 323.15) K:	https://www.doi.org/10.1021/je500070k
Physicochemical properties of L-carnitine in aqueous solution and its interaction with trimethylamine N-oxide, sodium chloride and dextrose: Volumetric and calorimetric insights:	https://www.doi.org/10.1016/j.jct.2018.01.021
Study of the Solubility, Supersolubility, and Metastable Zone Width of Ternary System NaCl + Na2SO4 + H2O Containing Organic Impurity at 333.15 K:	https://www.doi.org/10.1021/acs.jced.9b00345
Densities and Viscosities of Ternary Systems of Water + Glucose + Sodium Chloride at Several Temperatures:	https://www.doi.org/10.1021/je020153x
Solubilities of Carbon Dioxide, Methane, and Ethane in Sodium Chloride Solution Containing Gas Hydrate:	https://www.doi.org/10.1021/je800074z

Salting-out effect of alkali metal chlorides (lithium, sodium, and potassium) on 2-cyanoguanidine aqueous solution: A solid-liquid equilibrium study:	https://www.doi.org/10.1016/j.fluid.2015.09.005
Solid-liquid equilibria of the quaternary system Na+, NH4+//Cl-, H2PO4- -H2O at 298.15 K and 323.15 K:	https://www.doi.org/10.1016/j.fluid.2015.06.038
Vapor Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data:	https://www.doi.org/10.1021/je034197x
Thermodynamic Difference between Protocatechualdehyde and p-Hydroxybenzaldehyde in Aqueous Sodium Chloride Solutions:	https://www.doi.org/10.1021/acs.jced.6b00458
Liquid-liquid equilibria for the MTBE + water + salts systems at 298.15K:	https://www.doi.org/10.1016/j.fluid.2007.04.026
Modeling solubility and acid-base properties of some polar side chain amino acids in NaCl and (CH3)4NCl aqueous solutions at different ionic strengths and temperatures:	https://www.doi.org/10.1016/j.fluid.2017.11.030
Stable Solid-Liquid Equilibrium of the Quaternary System Na+//Cl-, NO3-, and SO4 2- -H2O at 308 K:	https://www.doi.org/10.1021/acs.jced.9b00349
Mean Activity Coefficients of NaCl in the NaCl-SrCl2-H2O Ternary System at 308 K by EMF Method:	https://www.doi.org/10.1021/acs.jced.8b00491
Confinement effects on the phase transition temperature of aqueous NaCl solutions: The extended Gibbs-Thomson equation:	https://www.doi.org/10.1016/j.tca.2015.07.013
Measurements and Modeling of the Phase Equilibria in AlCl3 + NaCl + CaCl2 + H2O and AlCl3 + CaCl2 + NH4Cl + H2O Systems:	https://www.doi.org/10.1021/acs.jced.9b00175
Liquid-liquid equilibria of ionic liquid N-butylpyridinium tetrafluoroborate and disodium hydrogen phosphate/sodium chloride/sodium sulfate/ammonium sulfate aqueous two-phase systems at T = 298.15 K: Experiment and correlation:	https://www.doi.org/10.1016/j.fluid.2014.06.013
Solvation behaviour of an antihelmintic drug in aqueous solutions of sodium chloride and glucose at different temperatures:	https://www.doi.org/10.1016/j.jct.2016.05.025
Interaction of biological buffers with electrolytes: Densities of aqueous solutions of two substituted aminosulfonic acids and ionic salts from T = (298.15 to 328.15) K:	https://www.doi.org/10.1016/j.jct.2008.12.011
Osmotic Coefficients and Activity Coefficients in Aqueous [illegible] Mixtures at 298.15 K:	https://www.doi.org/10.1021/je500271z
Volumetric and Viscosity Properties of MgSO4/CuSO4 in Sucrose + Water Solutions at 298.15 K:	https://www.doi.org/10.1021/je700732u
Solubility and solution thermodynamics of myo-inositol in (water + acetic acid) binary solvent mixtures:	https://www.doi.org/10.1016/j.fluid.2013.11.045
Measurement of CO2 Solubility in NaCl Brine Solutions at Different Temperatures and Pressures Using the Potentiometric Titration Method:	https://www.doi.org/10.1021/je501172d
Solubility of itaconic acid in different organic solvents: Experimental measurement and thermodynamic modeling:	https://www.doi.org/10.1016/j.fluid.2011.09.027
Dortmund Data Bank Vapor-Liquid Equilibrium Data:	http://www.ddbst.com/en/EED/VLE/VLE%20Water%3BSodium chloride.php
Investigation of the aqueous salt solutions of some first and second group metals at various pressures:	https://www.doi.org/10.1016/j.fluid.2008.02.014
Solubility of Li2CO3 in Na-K-Li-Cl brines from 20 to 90 C:	https://www.doi.org/10.1016/j.jct.2013.07.024
Solid-Liquid Equilibria in the Ternary Systems NaCl SrCl2 H2O and KCl SrCl2 H2O at 348 K:	https://www.doi.org/10.1021/acs.jced.5b00094
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Solubility of d-Aspartic Acid and l-Aspartic Acid in Aqueous Salt Solutions from (293 to 343) K:	https://www.doi.org/10.1021/je9007102
Effect of Counterions on Micellization of Pyrrolidinium Based Silicone Ionic Liquids in Aqueous Solutions:	https://www.doi.org/10.1021/je401118k
Measurements of CO2 H2O NaCl Solution Densities over a Wide Range of Temperatures, Pressures, and NaCl Concentrations:	https://www.doi.org/10.1021/je400459y
Development of a thermodynamic model for the Li2CO3-NaCl-Na2SO4-H2O system and its application:	https://www.doi.org/10.1016/j.jct.2018.03.027
Solubility and physic-chemical properties of NaH2PO4 in phosphoric acid, sodium chloride and their mixture solutions at T = (298.15 and 313.15) K:	https://www.doi.org/10.1016/j.jct.2015.06.038
Viscosity and Density of the System NaCl + LaCl3 + H2O and Its Binary Subsystems at Different Temperatures:	https://www.doi.org/10.1021/je8004062
Solubility of salicylic acid in water + salt (NaCl, KCl, NaBr, Na2SO4 and K2SO4) at 293.5 to 313.3 K:	https://www.doi.org/10.1016/j.fluid.2012.06.024
Synthesis, heat capacity and enthalpy of formation of [Ho2(l-Glu)2(H2O)8](ClO4)4*H2O:	https://www.doi.org/10.1016/j.tca.2005.11.021
Solubility of N-(Phosphonomethyl) Iminodiacetic Acid in Aqueous Sodium Chloride Solutions from (292 to 353) K:	https://www.doi.org/10.1021/je9005745
Thermodynamics of proton binding and weak (Cl-, Na+ and K+) species formation, and activity coefficients of 1,2-dimethyl-3-hydroxypyridin-4-one (deferiprone):	https://www.doi.org/10.1016/j.jct.2014.05.006
Salt effects in aqueous surface-active ionic liquid 1-dodecyl-3-methylimidazolium bromide solutions: Volumetric and compressibility property changes and critical aggregation concentration shifts:	https://www.doi.org/10.1016/j.jct.2014.03.001
Henry's Constants of 1-Alkanols and 2-Ketones in Salt Solutions:	https://www.doi.org/10.1021/je0600956
Isobaric vapor-liquid-liquid-solid equilibrium of the water + NaCl + 1-butanol system at 101.3 kPa:	https://www.doi.org/10.1016/j.jct.2016.04.013
NaCl and KCl effect on (vapour + liquid) equilibrium of binary, ternary and quaternary systems involving water, ethanol and glycerol at low pressures:	https://www.doi.org/10.1016/j.jct.2016.02.026
Thermochemistry of NaRb[B4O5(OH)4]*4H2O:	https://www.doi.org/10.1016/j.tca.2006.05.001
Ultrasonic velocity for an equimolar mixture of molten AgI and NaCl in the biphasic region:	https://www.doi.org/10.1016/j.jct.2012.12.015
Viscosities of l-Phenylalanine, l-Leucine, l-Glutamic Acid, or l-Proline + 2.0 mol·dm-3 Aqueous NaCl or 2.0 mol·dm-3 Aqueous NaNO3 Solutions at T = (298.15 to 328.15) K:	https://www.doi.org/10.1021/je1000878
Temperature Dependence of Vapor Pressures over Saturated Aqueous Solution of Magnesium Chloride + Sodium Chloride + Water from 298.15 to 323.15 K:	https://www.doi.org/10.1021/je800963g
Viscosity and Density of the Ternary Solutions at Invariant Points of the NaCl + KCl + H2O, NaCl + NaNO3 + H2O, KCl + KBr + H2O, KCl + KI + H2O, KCl + KNO3 + H2O, and KCl + K2SO4 + H2O Systems:	https://www.doi.org/10.1021/je100111w
Liquid-liquid phase equilibria in nicotine (aqueous) solutions:	https://www.doi.org/10.1016/j.fluid.2011.08.022

Partial molar volumes of L-alanine, DL-serine, DL-threonine, L-histidine, glycine, and glycylglycine in water, NaCl and DMSO aqueous solutions at T = 298.15 K	https://www.doi.org/10.1016/j.jct.2005.03.015
Knudsen thermogravimetry approach to the thermodynamics of aqueous solutions	https://www.doi.org/10.1016/j.jct.2013.02.015
Densimetric and ultrasonic characterization of pentaerythritol in water and in aqueous NaCl and MgCl2 solutions at different temperatures!	https://www.doi.org/10.1016/j.jct.2012.05.033
Water-ethanol-sodium chloride system: The main sources of uncertainties in thermodynamic properties determined by potentiometry!	https://www.doi.org/10.1016/j.fluid.2015.12.012
Effect of temperature and ionic strength on volumetric and acoustic properties of solutions of urea alkyl derivatives in aqueous NaCl:	https://www.doi.org/10.1016/j.jct.2015.07.002
Osmotic coefficients and activity coefficients in binary water/5-(hydroxymethyl)furfural and in ternary water/5-(hydroxymethyl)furfural/salt solutions at 298.15 K	https://www.doi.org/10.1016/j.jct.2019.105878
Mean activity coefficients measurement of sodium chloride and thermodynamic modeling of sodium chloride and [illegible] polyacrylate aqueous mixtures at 298.15 K and 0.1 MPa	https://www.doi.org/10.1016/j.fluid.2014.07.002
Phase Equilibria in the Aqueous Ternary Systems (NaCl + NaBO2 + H2O) and (Na2SO4 + NaBO2 + H2O) at (298.2 and 303.2) K.	https://www.doi.org/10.1021/acs.jced.8b00715
Temperature dependence of ternary phase diagrams for water + sodium chloride + ethylene glycol monopropyl ether at atmospheric pressure.	https://www.doi.org/10.1016/j.fluid.2015.04.004
Density and Excess Molar Volumes of 1-Butanol + Methanol + Electrolyte Systems in the Temperature Range (293.15 308.15) K.	https://www.doi.org/10.1021/acs.jced.5b00366
Measurement and Correlation of the Solubilities of Sulfur S8 in 10 Solvents:	https://www.doi.org/10.1021/acs.jced.7b00699
Micellisation of Binary Mixtures of Surfactants Na-Deoxycholate-Na-Decyl Sulfate and Na-Hyodeoxycholate-Na-Decyl Sulfate in Water Solutions: Rational [illegible]	https://www.doi.org/10.1021/acs.jced.7b00880
Volumetric Properties and Viscosity B-Coefficients for the Ternary Systems [illegible] + NaCl + H2O [illegible]	https://www.doi.org/10.1021/acs.jced.5b00941
Equilibrium Solubility of Sodium 1-Naphthalenesulfonate in Binary NaCl + Water [illegible] Solvent Mixtures from (278.15 [illegible]	https://www.doi.org/10.1021/je500517d
Equilibrium Solubility of Sodium [illegible] in Binary [illegible] Na2SO4 + H2O, and C2H5OH + H2O Solvent Mixtures at Elevated Temperatures from 273.15 K to 323.15 K	https://www.doi.org/10.1021/je4006079
Activity of Water and Osmotic Coefficients for Two- and Three-Basic Amino Acid [illegible]	https://www.doi.org/10.1021/je300701m
Phase Equilibria of the Reciprocal Quaternary System (Na+, Ca2+//Cl-, Borate-H2O) at 288.15 K and 0.1 MPa:	https://www.doi.org/10.1021/acs.jced.8b00234
Buffers and Ionic Salts: Densities and Solubilities of Aqueous and Electrolyte Solutions of	https://www.doi.org/10.1021/je900260g
Mean Activity Coefficients of NaCl in the Mixture of Tris(hydroxymethyl)aminomethane and N-Tris(hydroxymethyl)methyl-4-amino-butanesulfonic Acid + H2O at 298.15 K.	https://www.doi.org/10.1021/acs.jced.7b00278
Self-association and thermodynamic behavior of phenylephrine hydrochloride in aqueous electrolyte solution:	https://www.doi.org/10.1016/j.jct.2014.07.017
Measurement and Correlation of Surface Tension for Single Aqueous Electrolyte Solutions.	https://www.doi.org/10.1007/s10765-010-0725-9
Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl	https://www.doi.org/10.1016/j.jct.2012.09.032
Liquid-Liquid Equilibrium of Hydrophilic Alcohols with Three Different Salts of Chloride: Experimental and Correlation.	https://www.doi.org/10.1021/acs.jced.5b00771
The solubility of maleic acid in various inorganic salts and organic solvents: Thermodynamics model and parameters.	https://www.doi.org/10.1016/j.fluid.2017.07.012
Temperature and Concentration Dependence of Apparent Molar Volumes and Viscosities of NaCl, NH4Cl, CuCl2, CuSO4, and MgSO4 in Pure Water and Water + Urea Mixtures:	https://www.doi.org/10.1021/je0340957
Salt Effects on Liquid-Liquid Equilibria of Water + Phenol + (Propan-2-ol) [illegible]	https://www.doi.org/10.1021/acs.jced.8b01202
Equilibrium Diagrams of Water + NaCl or KCl + 2-Methyl 2-Propanol at the Boiling Temperature and 101.3 kPa:	https://www.doi.org/10.1021/acs.jced.8b00550
Salt Effect on the Enthalpy of Mixing of 1,4-Dioxane + Formic Acid at 303.15 K:	https://www.doi.org/10.1021/je7007022
Partial Molar Volumes, Partial Molar Compressibilities, and Viscosities of alpha,w-Amino Acids in Water and in Aqueous Solutions of Sodium Chloride over a Temperature Range of 293.2-353.2 K.	https://www.doi.org/10.1021/acs.jced.8b00236
Temperature and sodium chloride effects on the solubility of anthracene in water	https://www.doi.org/10.1016/j.jct.2010.06.006
Enthalpic pairwise self-association of L-carnitine in aqueous solutions of some alkali halides at T = 298.15 K:	https://www.doi.org/10.1016/j.jct.2015.11.028
Phase Diagrams and Physicochemical Properties for the Ternary System (CsCl + NaCl + H2O) at T = (298.15, 308.15, and 318.15) K.	https://www.doi.org/10.1021/acs.jced.7b00023
Effects of Na, Ca, Mg, and Al Chloride Salts on Dissolution and Phase Stability of Calcium Sulfate Dihydrate in Aqueous Solutions at 278.15 K to 368.15 K:	https://www.doi.org/10.1021/acs.jced.5b00005
Solvation behavior of some vitamins in aqueous solutions of sodium chloride at different temperatures and at atmospheric pressure:	https://www.doi.org/10.1016/j.tca.2013.08.007
Dependence of Refractive Index on Concentration and Temperature in Electrolyte Solution, Polar Solution, Nonpolar Solution, and Protein Solution.	https://www.doi.org/10.1021/acs.jced.5b00018
Thermodynamics of Some Amphiphilic Drugs in Presence of Additives:	https://www.doi.org/10.1021/je900749a
Experimental Investigation of the Influence of NaCl on the Vapor-Liquid Equilibrium of CH3OH + H2O.	https://www.doi.org/10.1021/je049783k
Intermolecular/interionic interactions in l-leucine-, l-asparagine-, and glycylglycine-aqueous electrolyte systems:	https://www.doi.org/10.1016/j.tca.2006.04.004
Study of thermodynamic properties of L-serine in aqueous 1-carboxymethyl-3-methylimidazolium chloride solutions at 298.15 K:	https://www.doi.org/10.1016/j.fluid.2013.11.017
Mean activity coefficients for NaCl in the mixtures containing ionic liquids [Emim][MeSO3] + H2O and [Emim][EtSO4] + H2O at 298.15 K:	https://www.doi.org/10.1021/acs.jced.6b00820
Temperature Dependence of Vapor Pressures over Saturated Aqueous Solutions at Invariant Points of the NaCl + KNO3 + H2O, NaCl + Na2CO3 + H2O and NaCl + Na2SO4 + H2O systems	https://www.doi.org/10.1021/je1009653
Solubility and Activity Coefficients of Acidic and Basic Nonelectrolytes in Aqueous Salt Solutions. 2. Solubility and Activity Coefficients of o-Phthalic Acid and L-Cystine in NaCl(aq), (CH3)4NCl(aq), and (C2H5)4NI(aq) at Different Ionic Strengths and at t = 25 deg C:	https://www.doi.org/10.1021/je0502039
Solubilities for Six Ternary Systems: NaCl + NH4Cl + H2O, KCl + NH4Cl + H2O, NaCl + LiCl + H2O, KCl + LiCl + H2O, NaCl + AlCl3 + H2O, and KCl + AlCl3 + H2O at T = (298 to 333) K:	https://www.doi.org/10.1021/je050111j

Sound Velocity and Adiabatic Compressibility of Molten MCl + NdCl3 Mixtures (M = Li, Na, K, and Cs):	https://www.doi.org/10.1021/je100554g
Solubility, Activity Coefficients, and Protonation Sequence of Risedronic Acid:	https://www.doi.org/10.1021/je500621v
Electrical Conductivity of Electrolytes Found In Natural Waters from (5 to 90) deg C:	https://www.doi.org/10.1021/je101012n
Measurement and Correlation for Solubility of Thiourea in Triglycol + Water at Temperatures from (292.05 to 357.75) K:	https://www.doi.org/10.1021/je900040n
Salt influence on MIBK/water liquid-liquid equilibrium: Measuring and modeling with ePC-SAFT and COSMO-RS:	https://www.doi.org/10.1016/j.fluid.2015.11.018
Measuring and modeling aqueous electrolyte/amino-acid solutions with ePC-SAFT:	https://www.doi.org/10.1016/j.jct.2013.08.018
Effect of Dissolved Salts on the Enthalpy of Mixing of the Methanol + Formic Acid System at 303.15 K:	https://www.doi.org/10.1021/je800568m
Investigation of Solid-Liquid Equilibria on the System Na+, K+//Cl , SO42 H2O and Na+, K+// SO42 H2O at 313.15 K:	https://www.doi.org/10.1021/acs.jced.5b00992
Partial molar volume of paracetamol in water, 0.1 M HCl and 0.154 M NaCl at T = (298.15, 303.15, 308.15 and 310.65) K and at 101.325 kPa:	https://www.doi.org/10.1016/j.jct.2005.03.008
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7647145&Units=SI
Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol:	https://www.doi.org/10.1016/j.jct.2005.03.004
Solubility of 1,6-Naphthalene Disulfonic Acid Disodium in Binary Sodium Chloride + Water, Sodium Sulfate + Water, and Ethanol + Water Solvent Mixtures at Elevated Temperatures:	https://www.doi.org/10.1021/je101047a
Solid–Liquid Equilibrium for the Ternary Systems (Na2SO4 + NaH2PO4 + H2O) and (Na2SO4 + NaCl + H2O) at 313.15 K and atmospheric pressure:	https://www.doi.org/10.1021/je500854m
Standard Molar Enthalpies of Formation for the Two Mixed Alkali-Alkaline Earth Metal Borates of LiBaB9O15 and NaBaB9O15:	https://www.doi.org/10.1016/j.tca.2013.04.009
Measurement and correlation of the solubility of 2,3,4,5-tetrabromothiophene in different solvents:	https://www.doi.org/10.1016/j.jct.2012.06.005
Determination and Modeling of the Solubility of Na2SiO3*9H2O in the NaCl KCl H2O System:	https://www.doi.org/10.1021/je401009p
Volumetric Properties of Local Anesthetical Drug Lidocaine Hydrochloride in Aqueous and in Aqueous NaCl Solutions at Different Temperatures:	https://www.doi.org/10.1021/acs.jced.7b01059
Measurement and Calculation of Solubilities in the Ternary System NaBr + NaCl + H2O from 278 K to 323 K:	https://www.doi.org/10.1021/je7001495
Solid-Liquid Equilibrium (SLE) of the N,N-Dimethylacetamide (DMA) + MCl (M = Na, K, Rb, and Cs) + Water Ternary Systems at Multiple Temperatures:	https://www.doi.org/10.1021/je400959n
Measurement and correlation for solubilities of alkali metal chlorides in water vapor at high temperature and pressure:	https://www.doi.org/10.1016/j.fluid.2004.07.019
Thermophysical Properties of an Insensitive Munitions Compound, 2,4-Dinitroanisole:	https://www.doi.org/10.1021/je7006764
The limiting partial molar volume and transfer partial molar volume of glycylglycine in aqueous sodium halide solutions at 298.15 K and 308.15 K:	https://www.doi.org/10.1016/j.jct.2005.04.012
Thermodynamic properties of aqueous salt containing urea solutions:	https://www.doi.org/10.1016/j.fluid.2012.04.003
Synthesis, characterization and thermodynamic properties of NaCs[B4O5(OH)4]*4H2O:	https://www.doi.org/10.1016/j.tca.2008.11.003
Thermodynamic modeling of high salinary phosphate solutions II. Ternary and higher systems:	https://www.doi.org/10.1016/j.jct.2013.12.017
Solubilities of MCl (M = Na, K) in Aqueous Systems Containing the Ionic Liquid [Bmim]Cl from (298.15 to 343.15) K:	https://www.doi.org/10.1021/je1010592
Effect of sodium chloride and myo-inositol on diphenhydramine hydrochloride drug in aqueous solution at different temperatures: Volumetric and acoustic approach:	https://www.doi.org/10.1016/j.jct.2015.03.020
The capability of tetra alkyl ammonium bromides for aqueous biphasic system formation with both polymers and electrolytes in aqueous solutions:	https://www.doi.org/10.1016/j.fluid.2018.03.002
Measurement and Correlation of Solubility of Pimelic Acid in Ether, Tetrahydrofuran, Ethanol, and Methanol:	https://www.doi.org/10.1021/je900629v
Phase Behavior for the Aqueous Two-Phase Systems Containing the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate and Kosmotropic Salts:	https://www.doi.org/10.1021/je900533h
Mean Activity Coefficients of NaCl in the NaCl + SrCl2 + H2O Ternary System at 298.15 K by the Cell Potential Method:	https://www.doi.org/10.1021/acs.jced.9b00509
A Sodium Chloride Zinc Chloride Water System: Solubility of Solids and Density of Liquid in Wide Range of Temperatures:	https://www.doi.org/10.1021/acs.jced.6b00048
Thermodynamic Study of the NaCl CuCl2 H2O Ternary System at 298.15 K by the Electromotive Force Method:	https://www.doi.org/10.1021/acs.jced.8b00598
Solid-liquid equilibrium of NaCl + HOCH2COONa + H2O system from (283.15 to 333.15) K:	https://www.doi.org/10.1016/j.fluid.2015.10.021
The Solubilities and Physicochemical Properties of NaH2PO2 NaCl H2O, NaH2PO2 Zn(H2PO2)2 H2O, and NaCl Zn(H2PO2)2 H2O Ternary Systems and in NaH2PO2 NaCl Zn(H2PO2)2 H2O Quaternary System at 298.15 K:	https://www.doi.org/10.1021/acs.jced.5b00988
Electrical conductivity of CaCl2-KCl-NaCl system at 1080K:	https://www.doi.org/10.1016/j.tca.2012.05.007
Phase diagram of the NaCl+RbCl+H2O system:	https://www.doi.org/10.1021/acs.jced.6b00879
Quantitative Raman Spectroscopic Measurements of CO2 Solubility in NaCl Solution from (273.15 to 473.15) K at p = (10.0, 20.0, 30.0, and 40.0) MPa:	https://www.doi.org/10.1021/acs.jced.5b00651
Consistency of experimental data in SLLV equilibrium of ternary systems with electrolyte. Application to the water + NaCl + 2-propanol system at 101.3 kPa:	https://www.doi.org/10.1016/j.jct.2018.04.017
Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point:	https://www.doi.org/10.1021/je901030f
DSC determination of partial ternary phase diagrams of methanol/sodium chloride/water and propylene glycol/sodium chloride/water and their applications for synthesized diagrams:	https://www.doi.org/10.1016/j.tca.2010.10.012
Solubility and Chemical Thermodynamics of d,l-Alanine and d,l-Serine in Aqueous NaCl and KCl Solutions:	https://www.doi.org/10.1021/acs.jced.5b00351
Heat Capacities and Volumes of Aqueous Dicarboxylate Salt Solutions of Relevance to the Bayer Process:	https://www.doi.org/10.1021/je0502400

Solid-liquid phase equilibrium of glyphosate in selected solvents:	https://www.doi.org/10.1016/j.fluid.2012.05.003
Measurement and Correlation of Solubilities and Solution Thermodynamics for N,N-Diethylformamide + MCl (M = Na, K, Rb and Cs) + Water Systems in the Temperature Range 288.15-318.15 K:	https://www.doi.org/10.1021/acs.jced.5b01043
Effect of NaCl and KCl on volumetric and acoustic behaviour of procaine hydrochloride in aqueous solutions at different temperatures (288.15, 298.15 and 308.15) K:	https://www.doi.org/10.1016/j.jct.2017.04.015
Enthalpies of dilution and volumetric properties of N,N'-methylenebisacetamide in aqueous solutions of sodium chloride at 298.15 K:	https://www.doi.org/10.1016/j.jct.2010.04.004
Effect of temperature on the partial molar volumes, partial molar compressibility and viscosity B-coefficients of DL-4-aminobutyric acid in water and in aqueous sodium chloride solutions:	https://www.doi.org/10.1016/j.jct.2017.07.037
Enthalpies of formation and lattice enthalpies of alkaline metal acetates:	https://www.doi.org/10.1016/j.tca.2004.11.004
Investigation of Surface Properties for Electrolyte Solutions: Measurement and Prediction of Surface Tension for Aqueous Concentrated Electrolyte Solutions:	https://www.doi.org/10.1021/acs.jced.7b00503
Activity coefficients of NaCl in aqueous mixtures with epsilon-increasing co-solvent: N-methylformamide-water mixtures at 298.15 K:	https://www.doi.org/10.1016/j.fluid.2011.08.018
Equilibria in the Ternary System NaCl-NaAc-H2O at 303.15 K, 323.15 K, and 343.15 K:	https://www.doi.org/10.1021/je500768w
Densities of L-Glutamic Acid HCl Drug in Aqueous NaCl and KCl Solutions at Different Temperatures:	https://www.doi.org/10.1007/s10765-015-2009-x
Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je5009944
Solid-liquid equilibrium of quaternary system Na+//H2PO4- , Cl- , [SO4]2- + H2O at 298.15 K:	https://www.doi.org/10.1016/j.fluid.2015.02.023
Experimental Data and Modeling of Solution Density and Heat Capacity in the Na-K-Ca-Mg-Cl-H2O System up to 353.15 K and 5 mol·kg-1 Ionic Strength:	https://www.doi.org/10.1021/acs.jced.7b00553
Solubilities, densities and refractive indices for the ternary systems ethylene glycol + MCl + H2O (M = Na, K, Rb, Cs) at (15 and 35) C:	https://www.doi.org/10.1016/j.jct.2010.01.017
Limiting activity coefficients of 1-chlorobutane in water and in aqueous solutions of substances involved in synthesis of ionic liquids:	https://www.doi.org/10.1016/j.fluid.2010.09.026
Solid-liquid equilibrium of Na+//Cl-, NO3-, SO42- -H2O quaternary system at 373.15 K:	https://www.doi.org/10.1016/j.fluid.2017.04.011
Solubility, acid-base properties and thermodynamics of interaction between three NTA-phosphonate derivatives and the main cationic components (H+, Na+, Mg2+ and Ca2+) of natural fluids:	https://www.doi.org/10.1016/j.jct.2018.03.032
Solvation thermodynamics of anti-tuberculosis Isoniazid in aqueous and aqueous-electrolyte media:	https://www.doi.org/10.1016/j.jct.2018.04.003
Vapor Pressure and Dissolution Enthalpy Measurements in Ternary {H2O + NaCl + Na2SO4} System between 298 K and 363 K:	https://www.doi.org/10.1021/je0200766
Mean Activity Coefficients of NaCl in NaCl-CdCl2-H2O Ternary System at 298.15 K by Potential Difference Method:	https://www.doi.org/10.1021/acs.jced.6b00075
Effect of Dissolved Inorganic Salts on the Enthalpy of Mixing of the Ethanol + Pyridine System at 303.15 K:	https://www.doi.org/10.1021/je1002048

Legend

ea:	Electron affinity
ie:	Ionization energy
pvap:	Vapor pressure
rhos:	Solid Density
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature