rubidium chloride

Other names: rubidium chloride (RbCl)

rubidium monochloride

InChl=1S/ClH.Rb/h1H;/q;+1/p-1

InchiKey: FGDZQCVHDSGLHJ-UHFFFAOYSA-M

Formula: CIRb

SMILES:[CI-].[Rb+]Mol. weight [g/mol]:120.92CAS:7791-11-9

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhos	2578.40	kg/m3	903.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2573.50	kg/m3	913.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2567.80	kg/m3	923.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2562.20	kg/m3	933.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2556.10	kg/m3	943.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2551.70	kg/m3	953.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point

rhos	2548.60	kg/m3	963.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point	
rhos	2547.60	kg/m3	973.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point	
rhos	2550.30	kg/m3	983.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point	
rhos	2556.40	kg/m3	993.00	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	1.42352e+01		
Coeff. B	-1.40827e+04		
Coeff. C	-1.98770e+02		
Temperature range (K), min.	1065.15		
Temperature range (K), max.	1663.15		

Sources

H2O systems:

Density of Crystalline Alkali Chlorides Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Mensity po Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Stable (Solutions by Experiment and Molecular Stable (Solutions) (Solutions by Experiment and Molecular Stable (Solutions) (So capacity of RbCl(aq) and CsCl(aq) at T = 298.15 K, and thermodynamic modeling of RbCI + H2O and CsCI +

https://www.doi.org/10.1021/je901030f

Measurement and Correlation of Solubilities and Solution There diagramics the NaCl+RbCl+H2O

Syntetic thylformamide + MCl (M = Na, K, the incremental entropy of the incremental entropy o Phenadaymanics the NaCI+RbCI+H2O Coefficients in an inany, systems at 29s in 46 in 2008, systems at 29s in 46 in 2008, systems at 29s in 46 in 2008 in

Measurements and Correlations of the Solid Liquid Equilibrium of RbCl/CsCl + Temperatoris of the https://www.doi.org/10.1021/je500420g bessitus வீட்டிய (288. 45kaja) அன்ன இவிர்கள் இவி

https://www.doi.org/10.1021/acs.jced.5b01043

https://www.doi.org/10.1021/acs.jced.6b00879

https://www.doi.org/10.1021/acs.jced.6b00024

https://www.doi.org/10.1016/j.fluid.2014.01.037

https://www.doi.org/10.1016/j.tca.2006.05.001

http://webbook.nist.gov/cgi/cbook.cgi?ID=C7791119&Units=SI

https://www.doi.org/10.1021/je4007986

Legend

pvap: Vapor pressure Solid Density rhos:

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