rubidium fluoride

Other names:	rubidium fluoride (RbF)
	rubidium monofluoride
Inchi:	InChI=1S/FH.Rb/h1H;/q;+1/p-1
InchiKey:	AHLATJUETSFVIM-UHFFFAOYSA-M
Formula:	FRb
SMILES:	[F-].[Rb+]
Mol. weight [g/mol]:	104.47
CAS:	13446-74-7

Physical Properties

Property code	Value	Unit	Source
tf	1063.15	K	The phase diagram of the RbF-RbI system

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.22997e+01
Coeff. B	-7.90705e+03
Coeff. C	-6.53770e+02
Temperature range (K), min.	1194.15
Temperature range (K), max.	1683.15

Sources

Thermodynamic studies of (RbF + RbCl + H2O) and (CsF + CsCl + H2O) ternary systems from potentiometric measurements at T = 298.2 K	https://www.doi.org/10.1016/j.jct.2016.08.014
Activity Coefficients of RbF in the RbF + RbBr + H2O and RbF + RbNO3 + H2O Ternary Systems Using the Potentiometric Method at 298.2 K	https://www.doi.org/10.1021/acs.jced.6b00398
Temperature Dependences of the Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation	https://www.doi.org/10.1021/je500420g
The Yaws Handbook of Vapor Pressure	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Thermodynamic investigation of RbF + Rb2SO4 + H2O and CsF + Cs2SO4 + H2O ternary systems by potentiometric method at 298.2 K: https://www.doi.org/10.1016/j.fluid.2016.11.006
Activity Coefficients of RbF or CsF in the Ethanediol + Water System by Potentiometric Measurements at 298.15 K: https://www.doi.org/10.1021/je200178b
The phase diagram of the RbF-RbI system: https://www.doi.org/10.1016/j.tca.2008.03.014
Activity Coefficients of RbF in Urea Water and Formamide Water Mixtures from Potentiometric Measurements: https://www.doi.org/10.1021/acs.jced.5b00484
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13446747&Units=SI

Legend

pvap:	Vapor pressure
tf:	Normal melting (fusion) point