Potassium hydroxide

Inchi:	InChI=1S/K.H2O/h;1H2/q+1;/p-1
InchiKey:	KWYUFKZDYYNOTN-UHFFFAOYSA-M
Formula:	H2K2O2
SMILES:	[OH][K]
Mol. weight [g/mol]:	112.21
CAS:	12395-66-3

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.42925e+01
Coeff. B	-1.45074e+04
Coeff. C	-1.00390e+02
Temperature range (K), min.	679.00
Temperature range (K), max.	1600.00

Sources

Thermodynamic characteristics of reactions with KH(PO3H):	https://www.doi.org/10.1016/j.tca.2012.08.020
Cheméo Relay (1.0, beta):	
Vapor-Liquid Equilibria of Ammonia + Water + Potassium Hydroxide and Ammonia + Water + Sodium Hydroxide Solutions at Temperatures from 299.15 to 353.15 K. Application to NaOH/KOH Concentrated Electrolyte Solutions:	https://www.doi.org/10.1021/je049708+
Measurement and modelling of solubility for calcium sulfate dihydrate and gypsum in NaOH/KOH solutions:	https://www.doi.org/10.1016/j.fluid.2010.06.012
Solubility of Sodium Oxalate in Concentrated Electrolyte Solutions:	https://www.doi.org/10.1021/acs.jced.7b00690
Thermochemistry of Li, Na, K, Rb and Cs alkylated phenoxides:	https://www.doi.org/10.1016/j.tca.2005.02.027
Density, viscosity, and N2O solubility of aqueous amino acid salt and amine amino acid salt solutions:	https://www.doi.org/10.1016/j.jct.2011.09.012
Liquid-Liquid Equilibria of Aqueous Biphasic Systems Containing Selected Imidazolium Ionic Liquids and Salts :	https://www.doi.org/10.1021/je700315u
Molar Volumes and Heat Capacities of Aqueous Solutions of Potassium Hydroxide and Water Ionization up to 573 K at 10 MPa:	https://www.doi.org/10.1021/acs.jced.7b00192
Solubility of the System KOH-K2CrO4-H2O at 150 deg C in a High Alkali Concentrated Region:	https://www.doi.org/10.1021/je3004782
Densities and Heat Capacities of the Ammonia + Water + NaOH and Ammonia + Water + KOH Solutions:	https://www.doi.org/10.1021/je050512z
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12395663&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Cheméo Relay (1.0):	
Vapor Pressure Determination of the KOH + K2CrO4 + H2O System:	https://www.doi.org/10.1021/je0501538

Density Calculations for (Na, K)BH4 + (Na, K)BO2 + (Na, K)OH + H2O Solutions Used in Hydrogen Power Engineering:

https://www.doi.org/10.1021/je200216n

Legend

pvap: Vapor pressure