

ammonium bromide

Other names:	hydrobromic acid monoammoniate
Inchi:	InChI=1S/BrH.H3N/h1H;1H3
InchiKey:	SWLVFNYSXGMGBS-UHFFFAOYSA-N
Formula:	BrH4N
SMILES:	[Br-].[NH4+]
Mol. weight [g/mol]:	97.94
CAS:	12124-97-9

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	2.04161e+01
Coeff. B	-1.05662e+04
Coeff. C	-3.00000e-01
Temperature range (K), min.	471.45
Temperature range (K), max.	669.15

Sources

Influence of NH₄Br on Solvation Behavior of Polyhydroxy Solutes in Aqueous Solutions at Different Pressures and Humidities
M. S. Dressman, J. R. Durkin, and M. M. Perlman
NIST Webbook

<https://www.doi.org/10.1021/je500886a>

The Yaws Handbook of Vapor Pressure: Experimental study of the excess molar volume of ternary mixtures containing sodium chloride and potassium chloride in water, effects of organic and inorganic ammonium salts
M. S. Dressman, J. R. Durkin, and M. M. Perlman
Isothermal Vapor-Liquid Equilibrium Data for the System Methanol + Water + Ammonium Bromide at Atmospheric Pressure

<https://www.doi.org/10.1021/je900359y>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C12124979&Units=SI>

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

<https://www.doi.org/10.1016/j.jct.2009.11.018>

<https://www.doi.org/10.1016/j.jct.2018.03.030>

<https://www.doi.org/10.1021/je0503002>

Legend

pvap: Vapor pressure

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