

Ammonium bromide

Other names:	hydrobromic acid monoammoniate
Inchi:	InChI=1S/BrH.H3N/h1H;1H3
InchiKey:	SWLVFNYSXGMGBS-UHFFFAOYSA-N
Formula:	NH4Br
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

The Yaws Handbook of Vapor Pressure: Measurement and Correlation of Isothermal Vapor-Liquid Equilibrium Data for the System Methanol + Water + Ammonium Bromide: Experimental study of the excess molar volume of ternary mixtures containing Water, 1,2-propanediol, or 1,3-propanediol, or 1,2-butanediol, or 1,3-butanediol, or 1,4-butanediol, or organic and inorganic ammonium salts and the absolute solvation enthalpies of Ammonium Bromide + Ammonia Mixtures, Relay (1.6, beta): Influence of NH4Br on Solvation Behavior of Polyhydroxy Solutes in Aqueous Solutions at Different Temperatures and Atmospheric Pressure:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>
<https://www.doi.org/10.1021/je0503002>
<https://www.doi.org/10.1016/j.jct.2009.11.018>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C12124979&Units=SI>
<https://www.doi.org/10.1016/j.jct.2018.03.030>
<https://www.doi.org/10.1021/je900359y>
<https://www.doi.org/10.1021/je500886a>

Legend

pvap: Vapor pressure

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