

# sodium bromide

**Inchi:** InChI=1S/BrH.Na/h1H;/q;+1/p-1  
**InchiKey:** JHJLBTNAGRQEKS-UHFFFAOYSA-M  
**Formula:** BrNa  
**SMILES:** [Br-].[Na+]  
**Mol. weight [g/mol]:** 102.89  
**CAS:** 7647-15-6

## Physical Properties

Property code	Value	Unit	Source
ea	0.94	eV	NIST Webbook
ea	0.79 ± 0.01	eV	NIST Webbook
ie	8.30 ± 0.10	eV	NIST Webbook
ie	8.30 ± 0.10	eV	NIST Webbook
ie	8.70	eV	NIST Webbook
ie	8.30 ± 0.10	eV	NIST Webbook
tt	1114.00	K	Study of the NaBr DyBr3 phase diagram by differential thermal analysis

## Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.53489e+01
Coeff. B	-1.64472e+04
Coeff. C	-1.31070e+02
Temperature range (K), min.	1020.00
Temperature range (K), max.	1720.00

## Sources

**NIST Webbook:**

[illegible]

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<https://www.doi.org/10.1021/ie500420a>

Effect of NaBr, KCl, KBr, and MgCl<sub>2</sub> on Viscosities of Aqueous Glycine and Apparent Molar Compressibilities and Volumes of Some 1,1-Electrolytes in N,N-Dimethylacetamide and N,N-Dimethylformamide and methyl sulfoxide + acetone(II) at P<sub>T</sub> 298.15 and KBr in Surfactant Aqueous Solutions: Measurements of (Solid + Liquid) Phase Equilibria in the Quaternary System Pressure of Aqueous H<sub>2</sub>O and Solutions with Mixed Salts of NaCl, NaBr, NaI, NaBPh<sub>4</sub>, and Bu<sub>4</sub>N<sup>+</sup> in Water Conductance Studies of 2-Ethoxyethanol Mixtures at 298.15 K: Tetrabutylammonium Bromide, Sodium Bromide, and Sodium Neutral Amino Acids in Aqueous Ethanol Binary and Ternary Mixtures at 298.15 K: Tetrabutylammonium Bromide, Sodium Tetrafluoroborate, and Sodium Bromide by Differential Thermal Analysis (2) Mixtures at (308.15, 313.15, 318.15, and 323.15) K:

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<https://www.doi.org/10.1021/je300737t>  
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<https://www.doi.org/10.1021/je1008813>  
<https://www.doi.org/10.1016/j.tca.2004.12.012>

## Legend

**ea:** Electron affinity  
**ie:** Ionization energy  
**vpap:** Vapor pressure  
**tt:** Triple Point Temperature

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