

Mercury(II) bromide

Other names:	HgBr2
	Mercuric bromide
	Mercury bromide
	Mercury bromide (HgBr2)
	Mercury(2)bromide
	Mercury(ii) bromide (1:2)
	UN 1634
	mercury dibromide
Inchi:	InChI=1S/2BrH.Hg/h2*1H;/q;;+2/p-2
InchiKey:	NGYIMTKLQULBOO-UHFFFAOYSA-L
Formula:	Br2Hg
SMILES:	Br[Hg]Br
Mol. weight [g/mol]:	360.40
CAS:	7789-47-1

Physical Properties

Property code	Value	Unit	Source
ie	10.56 ± 0.00	eV	NIST Webbook
ie	10.62	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.08059e+01
Coeff. B	-2.24412e+03
Coeff. C	-2.32470e+02
Temperature range (K), min.	409.65
Temperature range (K), max.	595.15

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7789471&Units=SI>

The Yaws Handbook of Vapor Pressure:

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

Legend

ie: Ionization energy

pvap: Vapor pressure

Latest version available from:

<https://www.chemeo.com/cid/34-121-9/Mercury-II-bromide.pdf>

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