

# Beryllium chloride

Other names:	beryllium chloride (BeCl2) beryllium dichloride
Inchi:	InChI=1S/Be.ClH/h;1H/q+1;/p-1
InchiKey:	LDIHXRVMZWMIW-UHFFFAOYSA-M
Formula:	BeCl
SMILES:	[Be]Cl
Mol. weight [g/mol]:	44.47
CAS:	13814-50-1

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
econd	74.68	S/m	693.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl2, ZnCl2, and PbCl2
econd	80.45	S/m	695.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl2, ZnCl2, and PbCl2
econd	87.66	S/m	698.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl2, ZnCl2, and PbCl2

econd	96.11	S/m	701.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	107.30	S/m	705.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	132.10	S/m	711.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	143.00	S/m	714.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	164.60	S/m	719.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	174.30	S/m	721.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	186.40	S/m	724.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	193.20	S/m	726.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	201.60	S/m	728.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	252.60	S/m	735.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	270.30	S/m	738.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	287.60	S/m	739.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	297.40	S/m	741.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	326.60	S/m	744.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	335.20	S/m	746.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	348.40	S/m	747.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	375.50	S/m	750.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	398.10	S/m	752.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	436.70	S/m	755.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	454.50	S/m	759.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	487.50	S/m	761.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	505.00	S/m	763.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	531.10	S/m	765.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	544.60	S/m	766.35	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	572.00	S/m	767.35	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	609.50	S/m	770.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	635.50	S/m	772.85	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	670.00	S/m	775.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	706.90	S/m	777.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	730.50	S/m	781.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	762.60	S/m	783.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	824.30	S/m	786.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	836.00	S/m	787.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	851.20	S/m	788.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	886.60	S/m	790.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	934.80	S/m	793.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>

econd	954.20	S/m	795.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	966.00	S/m	795.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	1006.00	S/m	797.15	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	1086.00	S/m	801.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	1164.00	S/m	807.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
econd	1185.00	S/m	809.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>



econd	1392.00	S/m	822.65	Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl <sub>2</sub> , ZnCl <sub>2</sub> , and PbCl <sub>2</sub>
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## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	2.38048e+01
Coeff. B	-1.43225e+04
Coeff. C	-8.66000e+00
Temperature range (K), min.	564.15
Temperature range (K), max.	755.15

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C13814501&Units=SI>

**The Yaws Handbook of Vapor Pressure:** <https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

**Conductivity of Some Molten Chlorides at Elevated Temperatures I. Experimental and Calculation Techniques for BeCl<sub>2</sub>, ZnCl<sub>2</sub>, and PbCl<sub>2</sub>:** <https://www.doi.org/10.1021/jc500433d>

## Legend

**econd:** Electrical conductivity

**pvap:** Vapor pressure

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