

Cobalt chloride

Other names: cobalt chloride (CoCl₂)
cobalt dichloride
cobalt(II) chloride
cobaltous chloride
cobaltous dichloride

Inchi: InChI=1S/2ClH.Co/h2*1H;/q;+2/p-2

InchiKey: IEKWPPTXWFKANS-UHFFFAOYSA-K

Formula: CoCl₂

SMILES: [Cl-].[Cl-].[Cl-].[Co+3]

Mol. weight [g/mol]: 165.29

CAS: 7646-79-9

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.42170e+01
Coeff. B	-1.13890e+04
Coeff. C	-1.35630e+02
Temperature range (K), min.	1043.15
Temperature range (K), max.	1322.15

Sources

Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. Comparison of Divalent and Trivalent Metal Halides and Chlorides. Metal Enthalpies of Formation in Dimethylsulfoxide.

NIST Webbook:

<https://www.doi.org/10.1021/je700013g>

<https://www.doi.org/10.1021/je8004134>

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

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C10241040&Units=SI>

Cheméo Relay (1.0):

Effect of NiCl₂·6H₂O and CoCl₂·6H₂O on the Viscosity of Aqueous Ethanol

Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. Comparison of Divalent and Trivalent Metal Halides and Chlorides. Metal Enthalpies of Formation in Dimethylsulfoxide.

Alanylanine in Aqueous Cobalt Chloride Solutions at Temperatures T = (293.15 to 313.15) K:

<https://www.doi.org/10.1021/je060219e>

<https://www.doi.org/10.1021/je7001946>

<https://www.doi.org/10.1021/je3009123>

Legend

pvap: Vapor pressure

Latest version available from:

<https://www.chemeo.com/cid/49-247-4/Cobalt-chloride.pdf>

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