

cobalt trichloride

Other names:	Cobalt chloride cobalt chloride (CoCl ₂) cobalt dichloride cobalt(II) chloride cobaltous chloride cobaltous dichloride
Inchi:	InChI=1S/3ClH.Co/h3*1H;/q;,+3/p-3
InchiKey:	IEKWPPTXWFKANS-UHFFFAOYSA-K
Formula:	Cl ₃ Co
SMILES:	[Cl-].[Cl-].[Cl-].[Co+3]
Mol. weight [g/mol]:	165.29
CAS:	10241-04-0

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

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10241040&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Effect of NiCl ₂ ·6H ₂ O and CoCl ₂ ·6H ₂ O on the Viscosity of Aqueous Ethanol Mixtures:	https://www.doi.org/10.1021/je060219e
Acoustic, and Refractometric Study of Cyclic Anhydrous Properties of Cobalt Chloride:	https://www.doi.org/10.1021/je3009123
Inorganic Salts in Nonaqueous Solvents. I. Cobalt Chloride:	https://www.doi.org/10.1021/je700013g
Thermodynamic Properties of Cobalt Chloride:	https://www.doi.org/10.1021/je7001946
Thermodynamic Properties of Cobalt Chloride:	https://www.doi.org/10.1021/je8004134

Legend

pvap: Vapor pressure

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