

copper dichloride

Other names:	copper chloride
	copper(2+) chloride
	copper(II) chloride
Inchi:	InChI=1S/2ClH.Cu/h2*1H;/q;;+2/p-2
InchiKey:	ORTQZVOHEJQUHG-UHFFFAOYSA-L
Formula:	Cl2Cu
SMILES:	[Cl-].[Cl-].[Cu+2]
Mol. weight [g/mol]:	134.45
CAS:	7447-39-4

Physical Properties

Property code	Value	Unit	Source
ea	4.35 ± 0.05	eV	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7447394&Units=SI
Volumetric and Viscosity Properties of MgSO4/CuSO4 in Sucrose + Water Solutions at 298.15 K:	https://www.doi.org/10.1021/je700732u
Isopiestic studies of mixed electrolyte solution {yCuCl2 + (1-y)CaCl2} in ethanediol at 298.15 K:	https://www.doi.org/10.1016/j.fluid.2012.02.022
Thermodynamic Model Derived from Heat Capacity and Concentration Dependence of Apparent Molar Volumes and Viscosities of NaCl, R-Methylcyclohexyl-CuSO4, and MgSO4 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/acs.jced.7b00483
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/je0340957
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/je9008365
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/je8004134
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/je050220y
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1016/j.fluid.2004.11.014
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/acs.jced.9b00569
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/acs.jced.8b00598
Thermodynamic Properties of CuCl2 in Ethanol-Water Mixtures:	https://www.doi.org/10.1021/je700013g

Legend

ea: Electron affinity

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