

rubidium chloride

Other names:	rubidium chloride (RbCl) rubidium monochloride
Inchi:	InChI=1S/ClH.Rb/h1H;/q;+1/p-1
InchiKey:	FGDZQCVHDSGLHJ-UHFFFAOYSA-M
Formula:	ClRb
SMILES:	[Cl-].[Rb+]
Mol. weight [g/mol]:	120.92
CAS:	7791-11-9

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhos	2578.40	kg/m3	903.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2573.50	kg/m3	913.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2567.80	kg/m3	923.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2562.20	kg/m3	933.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2556.10	kg/m3	943.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point
rhos	2551.70	kg/m3	953.00	Density of Crystalline Alkali Chlorides and Their Eutectic Mixtures Near the Melting Point

Thermodynamics of complexation of aqueous 18-crown-6 with rubidium and cesium ions. A new correlation for the solid-liquid equilibrium heat of $\text{RbCl} \cdot 6\text{C} + \text{H}_2\text{O}$ and $\text{CsCl} \cdot 6\text{C} + \text{H}_2\text{O}$ ternary systems at T (288.15, 298.15 and 308.15 K) and temperatures (278.15 K, 298.15 K, 318.15 K, 338.15 K, 358.15 K, 378.15 K, 398.15 K, 418.15 K, 438.15 K, 458.15 K, 478.15 K, 498.15 K, 518.15 K, 538.15 K, 558.15 K, 578.15 K, 598.15 K, 618.15 K, 638.15 K, 658.15 K, 678.15 K, 698.15 K, 718.15 K, 738.15 K, 758.15 K, 778.15 K, 798.15 K, 818.15 K, 838.15 K, 858.15 K, 878.15 K, 898.15 K, 918.15 K, 938.15 K, 958.15 K, 978.15 K, 998.15 K, 1018.15 K, 1038.15 K, 1058.15 K, 1078.15 K, 1098.15 K, 1118.15 K, 1138.15 K, 1158.15 K, 1178.15 K, 1198.15 K, 1218.15 K, 1238.15 K, 1258.15 K, 1278.15 K, 1298.15 K, 1318.15 K, 1338.15 K, 1358.15 K, 1378.15 K, 1398.15 K, 1418.15 K, 1438.15 K, 1458.15 K, 1478.15 K, 1498.15 K, 1518.15 K, 1538.15 K, 1558.15 K, 1578.15 K, 1598.15 K, 1618.15 K, 1638.15 K, 1658.15 K, 1678.15 K, 1698.15 K, 1718.15 K, 1738.15 K, 1758.15 K, 1778.15 K, 1798.15 K, 1818.15 K, 1838.15 K, 1858.15 K, 1878.15 K, 1898.15 K, 1918.15 K, 1938.15 K, 1958.15 K, 1978.15 K, 1998.15 K, 2018.15 K, 2038.15 K, 2058.15 K, 2078.15 K, 2098.15 K, 2118.15 K, 2138.15 K, 2158.15 K, 2178.15 K, 2198.15 K, 2218.15 K, 2238.15 K, 2258.15 K, 2278.15 K, 2298.15 K, 2318.15 K, 2338.15 K, 2358.15 K, 2378.15 K, 2398.15 K, 2418.15 K, 2438.15 K, 2458.15 K, 2478.15 K, 2498.15 K, 2518.15 K, 2538.15 K, 2558.15 K, 2578.15 K, 2598.15 K, 2618.15 K, 2638.15 K, 2658.15 K, 2678.15 K, 2698.15 K, 2718.15 K, 2738.15 K, 2758.15 K, 2778.15 K, 2798.15 K, 2818.15 K, 2838.15 K, 2858.15 K, 2878.15 K, 2898.15 K, 2918.15 K, 2938.15 K, 2958.15 K, 2978.15 K, 2998.15 K, 3018.15 K, 3038.15 K, 3058.15 K, 3078.15 K, 3098.15 K, 3118.15 K, 3138.15 K, 3158.15 K, 3178.15 K, 3198.15 K, 3218.15 K, 3238.15 K, 3258.15 K, 3278.15 K, 3298.15 K, 3318.15 K, 3338.15 K, 3358.15 K, 3378.15 K, 3398.15 K, 3418.15 K, 3438.15 K, 3458.15 K, 3478.15 K, 3498.15 K, 3518.15 K, 3538.15 K, 3558.15 K, 3578.15 K, 3598.15 K, 3618.15 K, 3638.15 K, 3658.15 K, 3678.15 K, 3698.15 K, 3718.15 K, 3738.15 K, 3758.15 K, 3778.15 K, 3798.15 K, 3818.15 K, 3838.15 K, 3858.15 K, 3878.15 K, 3898.15 K, 3918.15 K, 3938.15 K, 3958.15 K, 3978.15 K, 3998.15 K, 4018.15 K, 4038.15 K, 4058.15 K, 4078.15 K, 4098.15 K, 4118.15 K, 4138.15 K, 4158.15 K, 4178.15 K, 4198.15 K, 4218.15 K, 4238.15 K, 4258.15 K, 4278.15 K, 4298.15 K, 4318.15 K, 4338.15 K, 4358.15 K, 4378.15 K, 4398.15 K, 4418.15 K, 4438.15 K, 4458.15 K, 4478.15 K, 4498.15 K, 4518.15 K, 4538.15 K, 4558.15 K, 4578.15 K, 4598.15 K, 4618.15 K, 4638.15 K, 4658.15 K, 4678.15 K, 4698.15 K, 4718.15 K, 4738.15 K, 4758.15 K, 4778.15 K, 4798.15 K, 4818.15 K, 4838.15 K, 4858.15 K, 4878.15 K, 4898.15 K, 4918.15 K, 4938.15 K, 4958.15 K, 4978.15 K, 4998.15 K, 5018.15 K, 5038.15 K, 5058.15 K, 5078.15 K, 5098.15 K, 5118.15 K, 5138.15 K, 5158.15 K, 5178.15 K, 5198.15 K, 5218.15 K, 5238.15 K, 5258.15 K, 5278.15 K, 5298.15 K, 5318.15 K, 5338.15 K, 5358.15 K, 5378.15 K, 5398.15 K, 5418.15 K, 5438.15 K, 5458.15 K, 5478.15 K, 5498.15 K, 5518.15 K, 5538.15 K, 5558.15 K, 5578.15 K, 5598.15 K, 5618.15 K, 5638.15 K, 5658.15 K, 5678.15 K, 5698.15 K, 5718.15 K, 5738.15 K, 5758.15 K, 5778.15 K, 5798.15 K, 5818.15 K, 5838.15 K, 5858.15 K, 5878.15 K, 5898.15 K, 5918.15 K, 5938.15 K, 5958.15 K, 5978.15 K, 5998.15 K, 6018.15 K, 6038.15 K, 6058.15 K, 6078.15 K, 6098.15 K, 6118.15 K, 6138.15 K, 6158.15 K, 6178.15 K, 6198.15 K, 6218.15 K, 6238.15 K, 6258.15 K, 6278.15 K, 6298.15 K, 6318.15 K, 6338.15 K, 6358.15 K, 6378.15 K, 6398.15 K, 6418.15 K, 6438.15 K, 6458.15 K, 6478.15 K, 6498.15 K, 6518.15 K, 6538.15 K, 6558.15 K, 6578.15 K, 6598.15 K, 6618.15 K, 6638.15 K, 6658.15 K, 6678.15 K, 6698.15 K, 6718.15 K, 6738.15 K, 6758.15 K, 6778.15 K, 6798.15 K, 6818.15 K, 6838.15 K, 6858.15 K, 6878.15 K, 6898.15 K, 6918.15 K, 6938.15 K, 6958.15 K, 6978.15 K, 6998.15 K, 7018.15 K, 7038.15 K, 7058.15 K, 7078.15 K, 7098.15 K, 7118.15 K, 7138.15 K, 7158.15 K, 7178.15 K, 7198.15 K, 7218.15 K, 7238.15 K, 7258.15 K, 7278.15 K, 7298.15 K, 7318.15 K, 7338.15 K, 7358.15 K, 7378.15 K, 7398.15 K, 7418.15 K, 7438.15 K, 7458.15 K, 7478.15 K, 7498.15 K, 7518.15 K, 7538.15 K, 7558.15 K, 7578.15 K, 7598.15 K, 7618.15 K, 7638.15 K, 7658.15 K, 7678.15 K, 7698.15 K, 7718.15 K, 7738.15 K, 7758.15 K, 7778.15 K, 7798.15 K, 7818.15 K, 7838.15 K, 7858.15 K, 7878.15 K, 7898.15 K, 7918.15 K, 7938.15 K, 7958.15 K, 7978.15 K, 7998.15 K, 8018.15 K, 8038.15 K, 8058.15 K, 8078.15 K, 8098.15 K, 8118.15 K, 8138.15 K, 8158.15 K, 8178.15 K, 8198.15 K, 8218.15 K, 8238.15 K, 8258

<https://www.doi.org/10.1016/j.ijct.2005.05.005>

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<https://www.doi.org/10.1021/ie901030f>

Legend

p_{vap}: Vapor pressure

rhos: Solid Density

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