

Properties of Sodium Chloride Solutions (Salt)

% Salt	Density (kg/m ³)	Salt Content (kg/m ³)	Salt NaCl (mg/L)	Chlorides Cl- (mg/L)	Water Volume (m ³)	Freezing Point (°C)
1	1006	8.56	10050	6100	0.998	-0.6
3	1018	25.68	30660	18600	0.996	-1.8
4	1030	45.65	41070	24920	0.993	-2.4
6	1042	62.77	62480	37910	0.981	-3.7
7	1054	79.89	73500	44600	0.976	-4.4
9	1066	99.86	95760	57500	0.969	-5.8
11	1078	116.98	118700	71950	0.952	-7.4
12	1090	134.10	130300	79070	0.952	-8.2
14	1102	154.07	153100	92900	0.948	-9.9
15	1114	174.04	165800	100500	0.940	-10.9
17	1126	194.02	190600	115500	0.933	-12.9
18	1138	211.14	202700	123000	0.926	-14.0
20	1150	231.11	229600	139320	0.919	-16.5
21	1162	251.08	242800	147200	0.909	-18.6
23	1174	271.05	269700	163500	0.902	-20.7
24	1186	291.03	283300	171900	0.895	-15.0
26	1198	311.00	311300	188900	0.888	-3.9

Properties based on 20°C and 100% purity

mg/L Salt (NaCl) = mg/L Chlorides X 1.65

mg/L Chlorides = mg/L Salt (NaCl) X 0.0606