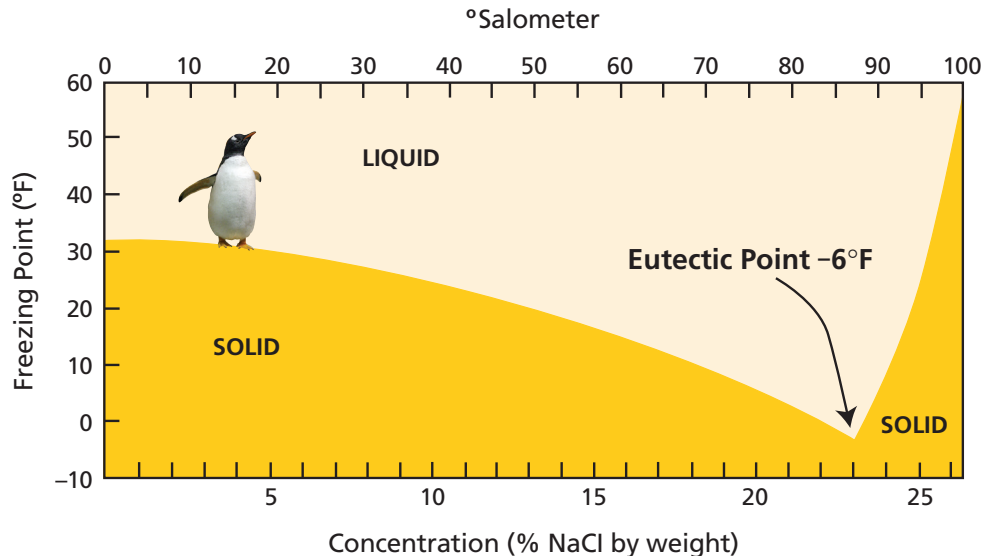


Getting Your Salt Content Right for Brine Freezing is Critical for Quality Product and Trouble-free Operation ...

FREEZING POINT OF SALT BRINE MIXTURES



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Additional information:

<http://seagrant.oregonstate.edu/sgpubs/onlinepubs/h99002.pdf>

SODIUM CHLORIDE BRINE TABLES FOR BRINE AT 60°F

Salometer Degrees	Freezing Point Deg. F*	Percent Sodium Chloride by Wt.	Pounds Salt Per Gallon of Water	Pounds per Gallon of Brine		Gallon Water Per Gallon of Brine	Specific Gravity	Salometer Degrees
				NaCl	Water			
62	+9.9	16.365	1.629	1.529	7.815	.938	1.122	62
64	+8.9	16.893	1.692	1.584	7.794	.936	1.126	64
66	+7.9	17.421	1.756	1.639	7.772	.933	1.130	66
68	+6.8	17.949	1.822	1.697	7.755	.931	1.135	68
70	+5.7	18.477	1.888	1.753	7.733	.929	1.139	70
72	+4.6	19.004	1.954	1.809	7.710	.926	1.143	72
74	+3.4	19.532	2.022	1.866	7.686	.923	1.147	74
76	+2.2	20.060	2.091	1.925	7.669	.921	1.152	76
78	+1.0	20.588	2.159	1.982	7.645	.918	1.156	78
80	-.4	21.116	2.229	2.040	7.620	.915	1.160	80
82	-1.6	21.644	2.300	2.098	7.596	.912	1.164	82
84	-3.0	22.172	2.372	2.158	7.577	.910	1.169	84
86	-4.4	22.700	2.446	2.218	7.551	.907	1.173	86
88	-5.8	23.228	2.520	2.279	7.531	.904	1.178	88
88.3 ¹	-6.0 ¹	23.307	2.531	2.288	7.528	.904	1.179	88.3 ¹
90	-1.1	23.756	2.594	2.338	7.506	.901	1.182	90
92	+4.8	24.283	2.670	2.398	7.479	.898	1.186	92
94	+11.1	24.811	2.745	2.459	7.460	.896	1.191	94
95	+14.4	25.075	2.787	2.491	7.444	.894	1.193	95
96	+18.0	25.339	2.827	2.522	7.430	.892	1.195	96
97	+21.6	25.603	2.865	2.552	7.417	.891	1.197	97
98	+25.5	25.867	2.906	2.585	7.409	.890	1.200	98

*Approximate salinity range for seawater.

¹Eutectic point. For brines stronger than eutectic, the temperatures shown are the saturation temperatures for sodium chloride dihydrate. Brines stronger than eutectic deposit excess sodium chloride as dihydrate when cooled, and freeze at eutectic.