



# CALCIUM CHLORIDE BRINE COMPOSITION

## COMPOSITION OF ONE BARREL OF CALCIUM CHLORIDE BRINE

Brine Density at 60°F		Pressure Gradient psi/ft	To make 1 bbl (42 gal)		
lb / gal	lb / ft <sup>3</sup>		Water bbl	94-97% CaCl <sub>2</sub>	Crystallization Point °F
8.4	62.8	.437	.998	3.8	+31
8.5	63.6	.442	.995	9.0	+30
8.6	64.3	.447	.992	14.3	+28
8.7	65.1	.452	.989	19.5	+26
8.8	65.8	.457	.986	24.8	+25
8.9	66.6	.463	.983	30.0	+23
9.0	67.3	.468	.980	35.3	+21
9.1	68.1	.473	.975	41.2	+19
9.2	68.8	.478	.970	47.2	+17
9.3	69.6	.483	.965	53.2	+15
9.4	70.3	.489	.959	59.1	+12
9.5	71.1	.494	.954	65.1	+9
9.6	71.8	.499	.949	71.1	+6
9.7	72.6	.504	.944	77.0	+3
9.8	73.3	.509	.940	83.0	0
9.9	74.1	.515	.934	89.0	-4
10.0	74.8	.520	.929	94.9	-8
10.1	75.6	.525	.924	101.0	-13
10.2	76.3	.530	.919	107.0	-18
10.3	77.1	.535	.914	113.0	-23
10.4	77.8	.541	.909	119.0	-29
10.5	78.6	.546	.904	125.0	-36
10.6	79.3	.551	.899	131.0	-43
10.7	80.0	.556	.894	137.0	-51
10.8	80.8	.561	.889	143.0	-59
10.9	81.5	.567	.884	149.0	-40
11.0	82.3	.572	.879	155.0	-22
11.1	83.0	.577	.873	161.0	-11
11.2	83.8	.582	.866	167.0	0
11.3	84.6	.587	.860	174.0	+13
11.4	85.8	.593	.854	180.0	+27
11.5	86.0	.598	.848	186.0	+35
11.6	86.8	.603	.842	193.0	+44