

Properties of ENVIROFLOC (Calcium Nitrate) Solutions

Weight %	Density (kg/m ³)	Envirofloc (kg/m ³)	Calcium (kg/m ³)	Nitrate (kg/m ³)	Final Volume Factor	Water Activity
1	1005	10.05	1.864	6.343	1.005	1.00
2	1011	20.22	3.750	12.76	1.009	0.99
3	1017	30.51	5.658	19.26	1.013	0.99
4	1024	40.96	7.596	25.85	1.017	0.99
5	1030	51.50	9.550	32.50	1.021	0.98
6	1036	62.16	11.53	39.23	1.026	0.98
7	1043	73.01	13.54	46.08	1.030	0.97
8	1049	83.92	15.56	52.97	1.035	0.97
10	1062	106.20	19.69	67.03	1.044	0.96
12	1075	129.00	23.92	81.42	1.054	0.95
14	1090	152.60	28.30	96.32	1.063	0.94
16	1104	176.60	32.76	111.50	1.073	0.93
18	1119	201.40	37.35	127.10	1.082	0.92
20	1133	226.60	42.02	143.00	1.094	0.91
22	1148	252.60	46.83	159.40	1.105	0.90
24	1163	279.10	51.76	176.20	1.116	0.89
26	1178	306.30	56.80	193.30	1.128	0.88
28	1193	334.00	61.94	210.80	1.141	0.87
30	1208	362.40	67.20	228.70	1.154	0.86
32	1224	391.70	72.63	247.20	1.168	0.85
34	1239	421.30	78.12	265.90	1.182	0.84
36	1255	451.80	83.78	285.20	1.197	0.82
38	1272	483.40	89.63	305.10	1.211	0.81
40	1288	515.20	95.54	325.20	1.227	0.80
42	1305	548.10	101.60	345.90	1.243	0.79
44	1322	581.70	107.90	367.10	1.259	0.77
46	1340	616.40	114.30	389.00	1.276	0.76
48	1358	651.80	120.90	411.40	1.293	0.74
50	1377	688.50	127.70	434.60	1.311	0.73
52	1395	725.40	134.50	457.80	1.330	0.71
54	1416	764.60	141.80	482.60	1.348	0.70
56	1436	804.20	149.10	507.60	1.368	0.68
58	1457	845.10	156.70	533.40	1.388	0.67
60	1478	886.80	164.40	559.70	1.408	0.65
62	1498	928.80	172.20	586.20	1.431	0.63
64	1519	972.20	180.30	613.60	1.453	0.61
66	1539	1016.00	188.40	641.10	1.476	0.60
68	1560	1061.00	196.70	669.50	1.501	0.58
70	1581	1107.00	205.20	698.50	1.525	0.56

Envirofloc = 5.393 X Calcium

Calcium = 0.1854 X Envirofloc

Nitrate = 0.6312 X Envirofloc

Ammonium = 0.0167 X Envirofloc

Nitrate = 3.404 X Calcium

mg/L = 1000 (kg/m³)