

HERITAGE
SYSTEMS



Delivering
Liquid Solutions

AQUA AMMONIA PROPERTIES

Wt. Per Cent Ammonia % NH ₃	Wt. Per Cent Nitrogen % N	Sp. Grav. at 60°F Comp'd w/H ₂ O at 60°F	Baume at 60°F	Weight Per Gallon (Lbs.)	Lbs. NH ₃ Per Gallon at 60°F	Lbs. N Per Gallon at 60°F	Boiling Point at 17.7 PSIA (°F)
18.00	14.8	.9326	20.13	7.77	1.40	1.15	124.5
18.23	15.0	.9318	20.25	7.76	1.41	1.16	123.6
19.00	15.6	.9293	20.65	7.74	1.47	1.21	120.6
19.44	16.0	.9280	20.88	7.73	1.50	1.23	118.9
20.00	16.4	.9261	21.17	7.71	1.54	1.27	116.7
20.66	17.0	.9240	21.15	7.70	1.59	1.31	114.3
21.00	17.3	.9230	21.69	7.69	1.62	1.33	113.0
21.87	18.0	.9203	22.14	7.66	1.68	1.38	109.9
22.00	18.1	.9198	22.21	7.66	1.69	1.39	109.4
23.00	18.9	.9166	22.73	7.63	1.75	1.44	106.0
23.09	19.0	.9163	22.78	7.63	1.76	1.45	105.7
24.00	19.7	.9135	23.24	7.61	1.83	1.51	102.6
24.30	20.0	.9126	23.40	7.60	1.85	1.52	101.6
25.00	20.6	.9105	23.76	7.58	1.90	1.56	99.3
25.52	21.0	.9090	24.02	7.57	1.93	1.59	97.6
26.00	21.4	.9075	24.27	7.56	1.97	1.62	96.0
26.73	22.0	.9053	24.54	7.54	2.02	1.66	93.6
27.00	22.2	.9045	24.78	7.53	2.03	1.67	92.7
28.00	23.0	.9016	25.29	7.51	2.10	1.73	89.4
29.00	23.9	.8986	25.80	7.48	2.17	1.79	86.1
29.16	24.0	.8983	25.88	7.48	2.18	1.80	85.6
30.00	24.7	.8957	26.31	7.46	2.24	1.85	82.8
30.38	25.0	.8946	26.50	7.45	2.26	1.86	81.6

Bases:

Wt. of 1 gallon water at 60°F = 8.32828 lbs. _ I.C.C. Value (Tarriff 9)

$$\% \text{ N in NH}_3 = \frac{14.008 \times 100}{14.008 + 3 \times 1.008} = \frac{14.008 \times 100}{17.032} = 82.245\%$$

Boiling Point at 14.7 psia