



Specific Gravities/ Weights/ Freezing Points: Sulfuric Acid

* Values determined at a temperature of 60 degrees F / 15.6 degrees C

* For corrections to these values for other temperatures, see table 4

Percent sulfuric acid H ₂ SO ₄	Degrees Baumé	Specific gravity 60°/60°F	Weight of 1 US gal in lbs. av	Weight of 1 l in Kg	Freezing (melting) point °F	Freezing (melting) point °C	Percent sulfuric acid H ₂ SO ₄	Degrees Baumé	Specific gravity 60°/60°F	Weight of 1 US gal in lbs. av	Weight of 1 l in Kg	Freezing (melting) point °F	Freezing (melting) point °C
0.00	0.00	1.0000	8.3373	0.9990	32.00	0.00	49.47	41.00	1.3942	11.623	1.3927	-33.00	-36.11
1.02	1.00	1.0069	8.395	1.0059	31.30	-0.39	50.87	42.00	1.4078	11.737	1.4064	-28.60	-33.67
2.08	2.00	1.0140	8.454	1.0130	30.50	-0.83	52.26	43.00	1.4216	11.852	1.4202	-25.50	-31.94
3.13	3.00	1.0211	8.513	1.0201	29.70	-1.28	53.66	44.00	1.4356	11.969	1.4342	-22.80	-30.44
4.21	4.00	1.0284	8.574	1.0274	28.90	-1.72	55.07	45.00	1.4500	12.089	1.4486	-20.90	-29.39
5.28	5.00	1.0357	8.635	1.0347	28.00	-2.22	56.48	46.00	1.4646	12.210	1.4631	-19.30	-28.50
6.37	6.00	1.0432	8.697	1.0421	27.00	-2.78	57.90	47.00	1.4796	12.335	1.4781	-19.10	-28.39
7.45	7.00	1.0507	8.760	1.0497	25.80	-3.44	59.32	48.00	1.4948	12.462	1.4933	-19.80	-28.78
8.55	8.00	1.0584	8.824	1.0573	24.60	-4.11	60.75	49.00	1.5104	12.592	1.5089	-22.00	-30.00
9.66	9.00	1.0662	8.889	1.0651	23.50	-4.72	62.18	50.00	1.5263	12.725	1.5248	-25.40	-31.89
10.77	10.00	1.0741	8.955	1.0730	22.30	-5.39	63.66	51.00	1.5426	12.861	1.5411	-29.60	-34.22
11.89	11.00	1.0821	9.021	1.0810	21.00	-6.11	65.13	52.00	1.5591	12.998	1.5575	-34.20	-36.78
13.01	12.00	1.0902	9.089	1.0891	19.40	-7.00	66.63	53.00	1.5761	13.140	1.5745	-36.00	-37.78
14.13	13.00	1.0985	9.158	1.0974	17.70	-7.94	68.13	54.00	1.5934	13.284	1.5918	-39.50	-39.72
15.25	14.00	1.1069	9.228	1.1058	16.30	-8.72	69.65	55.00	1.6111	13.432	1.6095	-45.00	-42.78
16.38	15.00	1.1154	9.299	1.1143	14.00	-10.00	71.17	56.00	1.6292	13.583	1.6276	-40.80	-40.44
17.53	16.00	1.1240	9.371	1.1229	12.00	-11.11	72.75	57.00	1.6477	13.737	1.6461	-39.40	-39.67
18.71	17.00	1.1328	9.444	1.1316	9.90	-12.28	74.36	58.00	1.6667	13.895	1.6650	-28.40	-33.56
19.89	18.00	1.1417	9.518	1.1405	7.50	-13.61	75.99	59.00	1.6860	14.056	1.6843	-9.00	-22.78
21.07	19.00	1.1508	9.594	1.1496	4.40	-15.33	77.67	60.00	1.7059	14.222	1.7042	11.50	-11.39
22.25	20.00	1.1600	9.671	1.1588	1.00	-17.22	79.43	61.00	1.7262	14.391	1.7244	29.30	-1.50
23.43	21.00	1.1694	9.750	1.1683	-2.50	-19.17	81.30	62.00	1.7470	14.565	1.7453	39.50	4.17
24.61	22.00	1.1789	9.828	1.1777	-6.50	-21.39	83.34	63.00	1.7683	14.742	1.7665	45.60	7.56
25.81	23.00	1.1885	9.909	1.1874	-11.10	-23.94	85.66	64.00	1.7901	14.924	1.7883	44.80	7.11
27.03	24.00	1.1983	9.9902	1.1971	-16.00	-26.67	86.33	64.25	1.7957	14.971	1.7939	42.90	6.06
28.28	25.00	1.2083	10.074	1.2071	-21.90	-29.94	87.04	64.50	1.8012	15.017	1.7994	40.00	4.44
29.53	26.00	1.2185	10.159	1.2173	-28.00	-33.33	87.81	64.75	1.8068	15.063	1.8049	36.00	2.22
30.79	27.00	1.2289	10.246	1.2277	-35.60	-37.56	88.65	65.00	1.8125	15.111	1.8107	31.20	-0.44
32.05	28.00	1.2393	10.332	1.2380	-44.30	-42.39	89.55	65.25	1.8182	15.158	1.8163	24.50	-4.17
33.33	29.00	1.2500	10.421	1.2487	-55.30	-48.50	90.60	65.50	1.8239	15.206	1.8221	15.00	-9.44
34.63	30.00	1.2609	10.512	1.2596	-69.50	-56.39	91.80	65.75	1.8297	15.254	1.8278	2.50	-16.39
35.93	31.00	1.2719	10.604	1.2706	-78.70	-61.50	93.19	66.00	1.8354	15.302	1.8336	-21.00	-29.44
37.26	32.00	1.2832	10.698	1.2819	-75.20	-59.56	93.77		1.8373	15.318	1.8355	-30.80	-34.89
38.58	33.00	1.2946	10.793	1.2933	-72.00	-57.78	94.00		1.8381	15.324	1.8362	-28.00	-33.33
39.92	34.00	1.3063	10.891	1.3050	-69.30	-56.28	95.00		1.8407	15.346	1.8389	-8.00	-22.22
41.27	35.00	1.3182	10.990	1.3169	-66.50	-54.72	96.00		1.8427	15.3630	1.8409	7.00	-13.89
42.63	36.00	1.3303	11.091	1.3290	-44.50	-42.50	97.00		1.8437	15.3710	1.8419	19.50	-6.94
43.99	37.00	1.3426	11.193	1.3412	-57.00	-49.44	98.00		1.8437	15.371	1.8419	30.00	-1.11
45.35	38.00	1.3551	11.297	1.3537	-50.60	-45.89	99.00		1.8424	15.360	1.8405	41.00	5.00
46.72	39.00	1.3679	11.404	1.3665	-44.00	-42.22	100.00		1.8391	15.333	1.8373	51.70	10.94
48.10	40.00	1.3810	11.513	1.3796	-38.20	-39.00							

* To calculate weight in pounds per Imperial gallon, multiply specific gravity (above) by 10.