

Correction

Surface Tension of Ternary Mixtures of Nitrogen, Oxygen, and Argon. Takami Kai,* Hidetoshi Nomoto, Masanobu Deguchi, and Takeshige Takahashi, *J. Chem. Eng. Data* 1994, 39, 499-501.

The mole fraction values in Table 2 are not correct. The corrected table is as follows.

Table 2. Surface Tension for the N₂ (1) + O₂ (2) + Ar (3) Ternary System

T/K	P/kPa	x ₁	x ₂	σ/(mN m ⁻¹)	T/K	P/kPa	x ₁	x ₂	σ/(mN m ⁻¹)	T/K	P/kPa	x ₁	x ₂	σ/(mN m ⁻¹)
90.1	262.0	0.552	0.398	8.61	97.7	404.7	0.357	0.497	8.12	102.6	404.8	0.109	0.708	8.44
91.1	265.0	0.514	0.423	8.41	97.7	448.9	0.443	0.394	7.94	102.6	436.6	0.184	0.782	8.67
92.3	303.0	0.537	0.414	7.97	97.8	428.3	0.394	0.377	7.88	102.7	410.4	0.116	0.700	8.55
93.5	311.8	0.450	0.369	8.52	97.9	409.4	0.359	0.495	7.95	102.8	415.5	0.097	0.567	8.66
93.6	348.0	0.546	0.403	7.95	97.9	533.4	0.561	0.358	6.49	102.9	448.9	0.184	0.782	8.60
93.8	263.7	0.272	0.388	9.92	97.9	453.1	0.453	0.386	8.04	102.9	634.3	0.398	0.531	6.58
93.9	342.9	0.520	0.417	8.30	98.0	439.9	0.412	0.365	7.74	103.0	385.9	0.071	0.886	9.20
94.1	328.2	0.452	0.369	8.34	98.0	461.2	0.444	0.393	7.76	103.0	552.7	0.268	0.391	7.47
94.2	355.0	0.534	0.404	7.76	98.1	412.5	0.361	0.494	8.14	103.1	419.2	0.103	0.713	8.45
94.4	337.6	0.452	0.369	8.26	98.1	542.0	0.543	0.375	6.87	103.1	560.6	0.264	0.391	7.77
94.6	239.9	0.177	0.545	10.25	98.2	417.2	0.357	0.496	7.93	103.1	642.9	0.421	0.510	6.32
94.6	380.1	0.541	0.409	7.85	98.3	374.3	0.276	0.512	8.23	103.3	656.9	0.406	0.524	6.56
94.7	335.5	0.438	0.455	8.02	98.3	528.7	0.528	0.410	7.10	103.4	435.6	0.099	0.565	8.55
94.7	248.8	0.195	0.528	9.77	98.4	391.5	0.273	0.386	8.62	103.5	530.4	0.265	0.690	7.61
94.7	243.8	0.180	0.545	10.08	98.4	419.5	0.359	0.495	7.91	103.8	588.7	0.289	0.425	7.35
94.8	346.9	0.452	0.372	8.14	98.5	390.8	0.270	0.388	8.75	104.1	475.2	0.117	0.549	8.40
94.8	362.9	0.480	0.467	8.02	98.5	467.0	0.401	0.375	7.62	104.2	498.0	0.170	0.656	7.80
95.0	252.2	0.187	0.535	10.00	98.6	399.4	0.268	0.390	8.23	104.2	599.0	0.273	0.438	6.98
95.0	351.8	0.449	0.372	8.23	98.6	425.4	0.359	0.494	7.94	104.3	466.0	0.098	0.566	8.56
95.0	373.7	0.531	0.404	7.51	98.6	443.4	0.357	0.497	8.08	104.4	490.7	0.147	0.670	8.30
95.1	257.4	0.196	0.528	9.96	98.6	501.8	0.520	0.415	7.09	104.4	500.8	0.166	0.661	7.77
95.1	350.4	0.441	0.399	8.04	98.7	312.0	0.145	0.670	9.12	104.6	480.5	0.097	0.568	8.31
95.3	261.8	0.198	0.527	9.79	98.7	440.5	0.330	0.391	8.12	104.6	707.1	0.400	0.532	6.20
95.3	362.6	0.454	0.366	8.15	98.7	394.4	0.268	0.391	8.37	104.7	485.5	0.099	0.565	8.41
95.5	214.6	0.097	0.858	10.45	98.7	564.0	0.553	0.366	6.47	104.7	620.7	0.279	0.433	6.81
95.5	362.6	0.443	0.395	7.91	98.7	509.6	0.535	0.402	6.84	104.7	580.0	0.259	0.695	7.25
95.6	305.7	0.262	0.394	9.19	98.8	432.5	0.359	0.495	7.95	104.9	734.9	0.423	0.510	6.01
95.6	266.8	0.188	0.533	9.81	99.0	439.4	0.355	0.499	8.03	105.2	500.7	0.096	0.568	8.29
95.6	372.9	0.452	0.369	8.07	99.1	520.2	0.529	0.407	6.70	105.2	523.5	0.156	0.670	7.70
95.7	365.2	0.439	0.453	7.87	99.2	412.3	0.270	0.388	8.44	105.5	510.0	0.094	0.571	8.36
95.7	363.5	0.427	0.384	7.97	99.2	446.7	0.360	0.493	7.95	105.6	510.5	0.087	0.592	8.09
95.8	369.7	0.436	0.402	7.94	99.5	314.6	0.127	0.834	9.83	105.7	532.5	0.116	0.549	8.02
95.9	315.8	0.269	0.390	8.85	99.6	465.3	0.329	0.400	7.88	105.7	521.1	0.096	0.569	8.12
95.9	379.7	0.451	0.368	8.11	99.7	339.6	0.167	0.798	9.54	105.9	556.2	0.151	0.672	7.53
95.9	368.2	0.422	0.388	7.98	99.9	327.4	0.130	0.831	9.68	105.9	635.7	0.265	0.688	6.88
96.0	345.5	0.349	0.536	8.24	100.0	495.9	0.352	0.501	7.77	106.0	550.5	0.124	0.542	7.77
96.0	272.5	0.181	0.540	9.73	100.2	484.5	0.330	0.401	7.83	106.1	650.3	0.263	0.691	6.97
96.0	371.5	0.423	0.385	7.96	100.3	354.4	0.146	0.670	8.80	106.3	534.0	0.090	0.588	7.77
96.0	425.3	0.545	0.406	7.33	100.3	452.7	0.266	0.392	8.25	106.4	563.9	0.118	0.549	7.56
96.1	275.9	0.180	0.542	9.58	100.4	329.7	0.089	0.728	9.72	106.5	577.2	0.149	0.674	7.62
96.1	386.9	0.452	0.368	7.91	100.4	482.4	0.315	0.411	7.83	106.6	796.3	0.377	0.555	6.00
96.2	281.5	0.190	0.531	9.68	100.4	493.1	0.332	0.397	7.84	106.7	582.5	0.148	0.674	7.29
96.2	278.8	0.185	0.536	9.65	100.4	497.4	0.335	0.395	7.67	106.7	591.8	0.165	0.671	7.51
96.2	436.7	0.556	0.363	7.33	100.5	360.4	0.167	0.799	9.37	106.8	588.6	0.155	0.685	7.25
96.2	391.9	0.457	0.362	8.07	100.7	339.9	0.092	0.725	9.49	106.9	586.8	0.147	0.675	7.44
96.3	322.0	0.293	0.496	8.45	100.7	370.0	0.171	0.796	9.10	107.0	605.1	0.165	0.672	7.28
96.4	331.5	0.269	0.389	8.63	100.9	346.4	0.096	0.722	9.29	107.0	518.1	0.073	0.883	8.08
96.4	285.2	0.191	0.530	9.76	101.1	351.8	0.096	0.722	9.28	107.0	720.3	0.292	0.661	6.56
96.5	379.1	0.356	0.498	8.20	101.1	379.9	0.170	0.795	9.18	107.1	593.6	0.146	0.677	7.56
96.5	452.0	0.559	0.358	7.15	101.2	357.5	0.103	0.713	9.03	107.3	572.8	0.092	0.585	7.71
96.7	229.9	0.070	0.842	10.87	101.3	389.9	0.175	0.791	8.92	107.4	615.9	0.143	0.593	7.25
96.7	341.4	0.267	0.391	8.56	101.5	367.2	0.103	0.715	9.05	107.4	603.2	0.144	0.679	7.54
96.7	384.6	0.355	0.499	8.16	101.6	362.4	0.091	0.726	9.25	107.6	627.0	0.162	0.674	7.23
96.9	231.0	0.073	0.884	10.60	101.6	399.9	0.178	0.788	8.82	107.7	626.6	0.138	0.596	7.41
96.9	396.7	0.404	0.371	7.92	101.7	399.3	0.151	0.666	8.63	107.7	598.2	0.104	0.624	7.44
96.9	478.8	0.563	0.356	6.72	101.7	371.7	0.101	0.717	9.08	107.8	603.5	0.106	0.626	7.42
97.0	391.2	0.401	0.488	7.92	101.8	407.6	0.178	0.788	8.98	107.8	746.0	0.289	0.667	6.43
97.0	291.6	0.172	0.551	9.92	101.8	617.2	0.415	0.391	6.77	107.9	637.3	0.142	0.593	7.76
97.1	502.5	0.596	0.327	6.90	101.9	413.7	0.181	0.785	9.09	108.0	614.2	0.120	0.699	7.49
97.3	356.9	0.267	0.392	8.53	102.0	379.1	0.096	0.722	9.16	108.1	649.3	0.143	0.592	7.32