

# Chempak Property Database

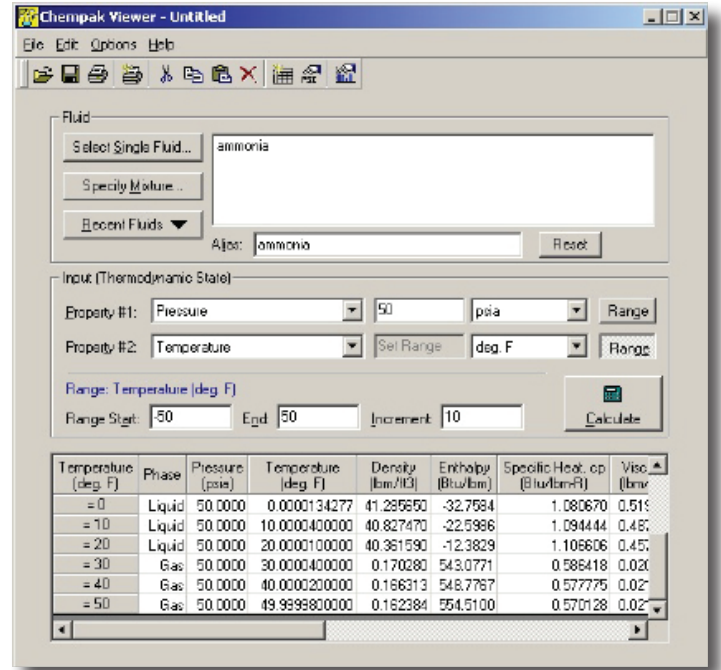
Make Fluid  
Property Data  
Availability as  
Dynamic as  
Your Analyses.

Temperature (deg F)	Phase	Density (lbm/ft <sup>3</sup> )	Temperature (deg C)	Density (kg/m <sup>3</sup> )	Dynamic Viscosity (lbm/ft-hr)	Dynamic Viscosity (kg/m-hr)
50	Liquid	50.0000	10.0000	1627.7	0.22925	22.794
100	Liquid	50.0000	37.7778	1627.7	0.22925	22.794
150	Liquid	50.0000	65.5556	1627.7	0.22925	22.794
200	Liquid	50.0000	93.3333	1627.7	0.22925	22.794
250	Liquid	50.0000	121.1111	1627.7	0.22925	22.794
300	Liquid	50.0000	148.8889	1627.7	0.22925	22.794
350	Liquid	50.0000	176.6667	1627.7	0.22925	22.794
400	Liquid	50.0000	204.4444	1627.7	0.22925	22.794
450	Liquid	50.0000	232.2222	1627.7	0.22925	22.794
500	Liquid	50.0000	260.0000	1627.7	0.22925	22.794
550	Liquid	50.0000	287.7778	1627.7	0.22925	22.794
600	Liquid	50.0000	315.5556	1627.7	0.22925	22.794
650	Liquid	50.0000	343.3333	1627.7	0.22925	22.794
700	Liquid	50.0000	371.1111	1627.7	0.22925	22.794
750	Liquid	50.0000	398.8889	1627.7	0.22925	22.794
800	Liquid	50.0000	426.6667	1627.7	0.22925	22.794
850	Liquid	50.0000	454.4444	1627.7	0.22925	22.794
900	Liquid	50.0000	482.2222	1627.7	0.22925	22.794
950	Liquid	50.0000	510.0000	1627.7	0.22925	22.794
1000	Liquid	50.0000	537.7778	1627.7	0.22925	22.794
1050	Liquid	50.0000	565.5556	1627.7	0.22925	22.794
1100	Liquid	50.0000	593.3333	1627.7	0.22925	22.794
1150	Liquid	50.0000	621.1111	1627.7	0.22925	22.794
1200	Liquid	50.0000	648.8889	1627.7	0.22925	22.794
1250	Liquid	50.0000	676.6667	1627.7	0.22925	22.794
1300	Liquid	50.0000	704.4444	1627.7	0.22925	22.794
1350	Liquid	50.0000	732.2222	1627.7	0.22925	22.794
1400	Liquid	50.0000	760.0000	1627.7	0.22925	22.794
1450	Liquid	50.0000	787.7778	1627.7	0.22925	22.794
1500	Liquid	50.0000	815.5556	1627.7	0.22925	22.794
1550	Liquid	50.0000	843.3333	1627.7	0.22925	22.794
1600	Liquid	50.0000	871.1111	1627.7	0.22925	22.794
1650	Liquid	50.0000	898.8889	1627.7	0.22925	22.794
1700	Liquid	50.0000	926.6667	1627.7	0.22925	22.794
1750	Liquid	50.0000	954.4444	1627.7	0.22925	22.794
1800	Liquid	50.0000	982.2222	1627.7	0.22925	22.794
1850	Liquid	50.0000	1010.0000	1627.7	0.22925	22.794
1900	Liquid	50.0000	1037.7778	1627.7	0.22925	22.794
1950	Liquid	50.0000	1065.5556	1627.7	0.22925	22.794
2000	Liquid	50.0000	1093.3333	1627.7	0.22925	22.794
2050	Liquid	50.0000	1121.1111	1627.7	0.22925	22.794
2100	Liquid	50.0000	1148.8889	1627.7	0.22925	22.794
2150	Liquid	50.0000	1176.6667	1627.7	0.22925	22.794
2200	Liquid	50.0000	1204.4444	1627.7	0.22925	22.794
2250	Liquid	50.0000	1232.2222	1627.7	0.22925	22.794
2300	Liquid	50.0000	1260.0000	1627.7	0.22925	22.794
2350	Liquid	50.0000	1287.7778	1627.7	0.22925	22.794
2400	Liquid	50.0000	1315.5556	1627.7	0.22925	22.794
2450	Liquid	50.0000	1343.3333	1627.7	0.22925	22.794
2500	Liquid	50.0000	1371.1111	1627.7	0.22925	22.794
2550	Liquid	50.0000	1398.8889	1627.7	0.22925	22.794
2600	Liquid	50.0000	1426.6667	1627.7	0.22925	22.794
2650	Liquid	50.0000	1454.4444	1627.7	0.22925	22.794
2700	Liquid	50.0000	1482.2222	1627.7	0.22925	22.794
2750	Liquid	50.0000	1510.0000	1627.7	0.22925	22.794
2800	Liquid	50.0000	1537.7778	1627.7	0.22925	22.794
2850	Liquid	50.0000	1565.5556	1627.7	0.22925	22.794
2900	Liquid	50.0000	1593.3333	1627.7	0.22925	22.794
2950	Liquid	50.0000	1621.1111	1627.7	0.22925	22.794
3000	Liquid	50.0000	1648.8889	1627.7	0.22925	22.794
3050	Liquid	50.0000	1676.6667	1627.7	0.22925	22.794
3100	Liquid	50.0000	1704.4444	1627.7	0.22925	22.794
3150	Liquid	50.0000	1732.2222	1627.7	0.22925	22.794
3200	Liquid	50.0000	1760.0000	1627.7	0.22925	22.794
3250	Liquid	50.0000	1787.7778	1627.7	0.22925	22.794
3300	Liquid	50.0000	1815.5556	1627.7	0.22925	22.794
3350	Liquid	50.0000	1843.3333	1627.7	0.22925	22.794
3400	Liquid	50.0000	1871.1111	1627.7	0.22925	22.794
3450	Liquid	50.0000	1898.8889	1627.7	0.22925	22.794
3500	Liquid	50.0000	1926.6667	1627.7	0.22925	22.794
3550	Liquid	50.0000	1954.4444	1627.7	0.22925	22.794
3600	Liquid	50.0000	1982.2222	1627.7	0.22925	22.794
3650	Liquid	50.0000	2010.0000	1627.7	0.22925	22.794
3700	Liquid	50.0000	2037.7778	1627.7	0.22925	22.794
3750	Liquid	50.0000	2065.5556	1627.7	0.22925	22.794
3800	Liquid	50.0000	2093.3333	1627.7	0.22925	22.794
3850	Liquid	50.0000	2121.1111	1627.7	0.22925	22.794
3900	Liquid	50.0000	2148.8889	1627.7	0.22925	22.794
3950	Liquid	50.0000	2176.6667	1627.7	0.22925	22.794
4000	Liquid	50.0000	2204.4444	1627.7	0.22925	22.794
4050	Liquid	50.0000	2232.2222	1627.7	0.22925	22.794
4100	Liquid	50.0000	2260.0000	1627.7	0.22925	22.794
4150	Liquid	50.0000	2287.7778	1627.7	0.22925	22.794
4200	Liquid	50.0000	2315.5556	1627.7	0.22925	22.794
4250	Liquid	50.0000	2343.3333	1627.7	0.22925	22.794
4300	Liquid	50.0000	2371.1111	1627.7	0.22925	22.794
4350	Liquid	50.0000	2398.8889	1627.7	0.22925	22.794
4400	Liquid	50.0000	2426.6667	1627.7	0.22925	22.794
4450	Liquid	50.0000	2454.4444	1627.7	0.22925	22.794
4500	Liquid	50.0000	2482.2222	1627.7	0.22925	22.794
4550	Liquid	50.0000	2510.0000	1627.7	0.22925	22.794
4600	Liquid	50.0000	2537.7778	1627.7	0.22925	22.794
4650	Liquid	50.0000	2565.5556	1627.7	0.22925	22.794
4700	Liquid	50.0000	2593.3333	1627.7	0.22925	22.794
4750	Liquid	50.0000	2621.1111	1627.7	0.22925	22.794
4800	Liquid	50.0000	2648.8889	1627.7	0.22925	22.794
4850	Liquid	50.0000	2676.6667	1627.7	0.22925	22.794
4900	Liquid	50.0000	2704.4444	1627.7	0.22925	22.794
4950	Liquid	50.0000	2732.2222	1627.7	0.22925	22.794
5000	Liquid	50.0000	2760.0000	1627.7	0.22925	22.794
5050	Liquid	50.0000	2787.7778	1627.7	0.22925	22.794
5100	Liquid	50.0000	2815.5556	1627.7	0.22925	22.794
5150	Liquid	50.0000	2843.3333	1627.7	0.22925	22.794
5200	Liquid	50.0000	2871.1111	1627.7	0.22925	22.794
5250	Liquid	50.0000	2898.8889	1627.7	0.22925	22.794
5300	Liquid	50.0000	2926.6667	1627.7	0.22925	22.794
5350	Liquid	50.0000	2954.4444	1627.7	0.22925	22.794
5400	Liquid	50.0000	2982.2222	1627.7	0.22925	22.794
5450	Liquid	50.0000	3010.0000	1627.7	0.22925	22.794
5500	Liquid	50.0000	3037.7778	1627.7	0.22925	22.794
5550	Liquid	50.0000	3065.5556	1627.7	0.22925	22.794
5600	Liquid	50.0000	3093.3333	1627.7	0.22925	22.794
5650	Liquid	50.0000	3121.1111	1627.7	0.22925	22.794
5700	Liquid	50.0000	3148.8889	1627.7	0.22925	22.794
5750	Liquid	50.0000	3176.6667	1627.7	0.22925	22.794
5800	Liquid	50.0000	3204.4444	1627.7	0.22925	22.794
5850	Liquid	50.0000	3232.2222	1627.7	0.22925	22.794
5900	Liquid	50.0000	3260.0000	1627.7	0.22925	22.794
5950	Liquid	50.0000	3287.7778	1627.7	0.22925	22.794
6000	Liquid	50.0000	3315.5556	1627.7	0.22925	22.794
6050	Liquid	50.0000	3343.3333	1627.7	0.22925	22.794
6100	Liquid	50.0000	3371.1111	1627.7	0.22925	22.794
6150	Liquid	50.0000	3398.8889	1627.7	0.22925	22.794
6200	Liquid	50.0000	3426.6667	1627.7	0.22925	22.794
6250	Liquid	50.0000	3454.4444	1627.7	0.22925	22.794
6300	Liquid	50.0000	3482.2222	1627.7	0.22925	22.794
6350	Liquid	50.0000	3510.0000	1627.7	0.22925	22.794
6400	Liquid	50.0000	3537.7778	1627.7	0.22925	22.794
6450	Liquid	50.0000	3565.5556	1627.7	0.22925	22.794
6500	Liquid	50.0000	3593.3333	1627.7	0.22925	22.794
6550	Liquid	50.0000	3621.1111	1627.7	0.22925	22.794
6600	Liquid	50.0000	3648.8889	1627.7	0.22925	22.794
6650	Liquid	50.0000	3676.6667	1627.7	0.22925	22.794
6700	Liquid	50.0000	3704.4444	1627.7	0.22925	22.794
6750	Liquid	50.0000	3732.2222	1627.7	0.22925	22.794
6800	Liquid	50.0000	3760.0000	1627.7	0.22925	22.794

# AFT Chempak Viewer

The viewer to access the Chempak Property Database as a stand-alone application is included for free in all AFT software

- Assemble non-reacting mixtures on a mass or mole basis
- Calculate fluid or mixture properties for any combination of the available input parameters as a single point, two point or a range of inputs
- Save or set your parameter and unit preferences as the default
- Save and reload input sets
- Save fluid and mixture sets for quick recall using the Recent Fluids list
- Specify a name for any fluid or mixture and it appears along with the standard Chempak name
- Change units 'on the fly' by double-clicking an output column header
- Input parameters:
  - Density
  - Enthalpy
  - Entropy
  - Internal Energy
  - Pressure
  - Quality
  - Saturated Liquid
  - Saturated Vapor
  - Specific Volume
  - Temperature



## Output

- Chempak Viewer provides both text and graphical output
- Configure displayed parameters, display order and units
- Supports English and SI units
- Export as a PDF file or to a spreadsheet for additional calculations
- Select a portion of the output and paste into a spreadsheet
- Customize your graphs using colors, axis scale, titles, markers and more
- Use your graphs in other documents