

## Technical Data

### Properties of Liquids

Substance	Specific Heat	Heat of Vaporization	Boiling Point (F)	lbs/cuft	lbs/gal
Acetic Acid	0.49	175	244	66	8.75
Acetone	0.514	225	133	49	6.6
Alcohol	0.65	367	173	55	6.63
Ammonia (100%)	1.1	589	-27	47.9	6.4
Aniline	0.514	198	63	64.3	8.6
Arochlor Oil	0.28	0	650	89.7	12
Asphalt	0.42	0	0	62.3	8.3
Benzine	0.45	170	176	56	7.34
Brine	0.81	728	221	74	9.89
Brine-NaCl,25%	0.786	730	220	74.1	9.9
Butyl Alcohol	0.687	254	244	45.3	6.1
Carbon Tetrachloride	0.21	0	170	98.5	13.2
Caustic Soda NaOH 30%	0.84	0	0	82.9	11.1
Caustic Soda NaOH 50%	0.78	0	0	95.4	12.8
Caustic Soda 18% NaOH	0.84	795	221	74.9	10
Corn Syrup, Dextrose	0.65	0	231	87.8	11.8
Cottonseed Oil	0.47	0	0	59.2	7.9
Dowtherm A	0.44	42	496	66.1	8.15
Ether	0.503	160	94	46	6.14
Ethyl Acetate	0.475	183.5	180	51.5	6.9
Ethyl Alcohol, 95%	60	370	0	50.4	6.8
Ethyl Bromide	0.215	108	101	90.5	12.1
Ethyl Chloride	0.367	166.5	54	57	7.6
Ethyl Iodide	0.161	81.3	160	113	15.1
Ethylene Bromide	0.172	83	270	120	16.1
Ethylene Chloride	0.299	139	240	71.7	9.6
Ethylene Glycol	0.55	0	387	70	9.4
Ethylene Glycol	0.602	0	387	70.5	9.42
Fatty Acid, Aleic	0.7	0	547	55.4	7.4
Fatty Acid, Palmitic	0.653	0	520	53.1	7.1
Fatty Acid, Stearic	0.55	0	721	52.8	7.1
Formic Acid	0.525	216	213	69.2	9.3
Freon 11	0.208	0	74.9	92.1	12.3
Freon 12	0.23	62	22	82.7	11
Freon 22	0.3	0	-41.36	74.53	10

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Fruit, Fresh (Avg)	0.88	0	0	55	7.4
Fuel Oil #1 (Kerosene)	0.47	86	440	50.5	6.8
Fuel Oil #2	0.44	0	0	53.9	7.2
Fuel Oil #3,#4	0.425	67	580	55.7	7.5
Fuel Oil #5,#6	0.41	0		58.9	7.9
FuelOil-BunkerC	0.5	150	580	61	8.15
Gasoline	0.675	137	280	48.6	6.49
Glue-2/3 Water	0.895	0	230	69	9.22
Glycerine	0.61	0	554	79	10.5
Heptane	0.49	137.1	210	38.2	5.1
Hexane	0.6	142.5	155	38.2	5.1
Honey	0.34	0	0	65	8.7
HydrochloricAcid10%	0.93	0	221	66.5	8.89
Kerosene	0.47	108	440	51.5	6.88
Lard	0.64	0	0	57.4	7.7
Lindseed Oil	0.44	0	552	57.9	7.8
Machine Oil SAE 10-50	0.43	0	0	55.4	7.4
Maple Syrup	0.48	0	0	65	8.7
Mercury	0.0333	117	674	845	112.97
Methyl Acetate	0.47	176.5	133	54.8	7.3
Methyl Chloroform	0.26	95	165	82.7	11.1
Methylene Chloride	0.288	142	104	82.6	11.1
Milk, 3.5%	0.9	0	0	64.2	8.6
Molasses	0.6	0	220	87.4	11.68
NaK (78%K)	0.21	0	1446	46.2	6.2
Napthalene	0.396	103	424	54.1	7.2
Nitric Acid 7%	0.92	918	187	64.7	8.64
Nitric Acid, 95%	0.5	207	187	93.5	12.5
Nitrobenzene	0.35	142.2	412	0	0
Oil,Cottonseed	0.47	0	400	60	7.92
Oil,Machine	0.47	0	400	58	7.75
Oil,Olive	0.471	0	570	58	7.75
Olive Oil	0.47	0	570	58	7.8
Paraffin,Melted	0.71	0	750	56	7.49
Perchlorethylene	0.21	90	250	101.3	13.6
Petroleum	0.51	0	0	58.2	7.78
Phenol (Carbolic Acid)	0.56	0	346	66.6	8.9
Phosphoric Acid 10%	0.93	0	0	65.4	8.8
Phosphoric Acid 20%	0.85	0	0	69.1	9.3

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Potassium	0.18	892	1400	44.6	5.96
Propane (Compressed)	0.576	193.1	-48.1	0.13	4.23
Propionic Acid	0.56	177.8	286	61.8	8.3
Propyl Alcohol	0.57	295.2	208	50.2	6.7
Sea Water	0.94	0	0	64.2	8.6
Sodium (Na)	0.3	1810	1621	51.2	6.84
Soybean Oil	0.3	0	0	57.4	7.7
Sucrose(40% Sugar Syru	0.66	0	214	73.5	9.8
Sucrose(60% Sugar Syru	0.74	0	218	80.4	10.8
Sulfur,Melted	0.234	652	832	112	15.01
Sulfuric Acid 20%	0.84	0	218	71	9.5
Sulfuric Acid 60%	0.52	0	282	93.5	12.5
Sulfuric Acid 98%	0.35	219	625	114.7	15.4
TherminalFR2	0.3	0	648	57.5	7.68
Toluene	0.42	0	0	53.7	7.2
Transformer Oil	0.42	0	0	56.3	7.5
Trichloethylene	0.23	103	188	91.3	12.2
Trichloro-Trifluorethane	0.21	63	118	94.6	0
Turpentine	0.42	184	320	54.3	7.25
VegetableOil	0.43	0	400	57.5	7.68
Water	1	970	212	62.5	8.34
Xylene	0.411	149.2	288	53.8	7.2