

# Specific Gravity for Common Fluids

Product	Temperature		Specific Gravity
	°F	°C	SG 1)
Acetaldehyde CH <sub>3</sub> CHO	61	16.1	0.79
	68	20	0.76
Acetic acid 5% - vinegar	59	15	1.006
Acetic acid - 10%	59	15	1.014
Acetic acid - 50%	59	15	1.061
Acetic acid - 80%	59	15	1.075
Acetic acid - concentrated	59	15	1.055
Acetic acid anhydride (CH <sub>3</sub> COO) <sub>2</sub> O	59	15	1.087
Acetone CH <sub>3</sub> COCH <sub>3</sub>	68	20	0.792
Alcohol - allyl	68	20	0.855
Alcohol - butyl-n	68	20	0.81
	158	70	0.78
Alcohol - ethyl (grain) C <sub>2</sub> H <sub>5</sub> OH	68	20	0.789
	104	40	0.772
Alcohol - methyl (wood) CH <sub>3</sub> OH	68	20	0.79
Alcohol - propyl	68	20	0.804
	32	0	0.817
Aluminum sulfate 36% solution	60	15.6	1.055
Ammonia	0	-17.8	0.662
Aniline	68	20	1.022
	32	0	1.035
Automotive crankcase oils	60	15.6	0.88-0.94
SAE-5W/10W/20W/30W/40W/50W			
Automotive gear oils	60	15.6	0.88-0.94
SAE-75W/80W/85W/90W/140W/150W			
Beer	60	15.6	1.01
Benzene (benzol) C <sub>6</sub> H <sub>6</sub>	32	0	0.899
	60	15.6	0.885
Benzine			0.69
Bone oil	60	15.6	0.918
Boric acid H <sub>3</sub> BO <sub>3</sub>	46.4	8	1.014
	59	15	1.025
Bromine	32	0	2.9
Butane-n	60	15.6	0.584
Butyric acid	68	20	0.959
Calcium chloride 5%	65	18.3	1.04
Calcium chloride 25%	60	15.6	1.23
Carbolic acid (phenol)	65	18.3	1.08
Carbon tetrachloride CCl <sub>4</sub>	68	20	1.594

Carbon disulfide CS <sub>2</sub>	32	0	1.293
	68	20	1.263
Castor Oil	68	20	0.96
	104	40	0.95
China wood oil	60	15.6	0.943
Chloroform	68	20	1.489
	140	60	1.413
Coconut oil	60	15.6	0.925
Cod liver oil	59	15	0.920-0.925
Corn oil	60	15.6	0.924
Cotton seed oil	60	15.6	0.88-0.93
Creosote	60	15.6	1.04-1.10
Crude oil 48o API	60	15.6	0.79
	130	54.4	0.76
Crude oil 40o API	60	15.6	0.825
	130	54.4	0.805
Crude oil 35.6o API	60	15.6	0.847
	130	54.4	0.824
Crude oil 32.6o API	60	15.6	0.862
	130	54.4	0.84
Crude oil Salt creek	60	15.6	0.843
	130	54.4	0.82
Decane-n	68	20	0.73
Diethylene glycol	60	15.6	1.12
Diethyl ether	68	20	0.714
Diphenylamine			1.16
Diesel Fuel Oil 2D/3D/4D/5D	60	15.6	0.81 - 0.96
Dowtherm	77	25	1.056
Ether, sulfuric			0.72
Ethyl acetate CH <sub>3</sub> COOC <sub>2</sub> H <sub>3</sub>	59	15	0.907
	68	20	0.9
Ethyl bromide C <sub>2</sub> H <sub>3</sub> Br	59	15	1.45
Ethylene bromide	68	20	2.18
Ethylene chloride	68	20	1.246
Ethylene glycol	60	15.6	1.125
Fluoric acid			1.5
Formic acid - 10%	68	20	1.025
Formic acid - 50%	68	20	1.121
Formic acid - 80%	68	20	1.186
Formic acid - concentrated	68	20	1.221
Trichlorofluoromethane - 11	70	21.1	1.49
Dichlorodifluoromethane - 12	70	21.1	1.33
Dichlorofluoromethane - 21	70	21.1	1.37
Furfurol	68	20	1.159

Fuel oils 1/2/3/5A/5B/6	60	15.6	0.82-0.95
Gas oils	60	15.6	0.89
Gasoline a	60	15.6	0.74
Gasoline b	60	15.6	0.72
Gasoline c	60	15.6	0.68
Glycerine 100%	68	20	1.26
Glycerine 50% water	68	20	1.13
Glucose	60	15.6	1.35-1.44
Heptane-n	60	15.6	0.688
Hexane-n	60	15.6	0.664
Ink printers	60	15.6	1.0-1.4
Kerosene	60	15.6	0.78-0.82
Jet fuel	60	15.6	0.82
Lard	60	15.6	0.96
Lard oil	60	15.6	0.91-0.93
Linseed oil	60	15.6	0.92-0.94
Mercury	60	15.6	13.6
Methyl acetate	68	20	0.93
Methyl iodide	68	20	2.28
Mineral oil			0.92
Milk	60	15.6	1.02-1.05
Molasses A first	60	15.6	1.40-1.46
Molasses B second	60	15.6	1.43-1.48
Molasses C blackstrap	60	15.6	1.46-1.49
Muriatic acid			1.2
Naphtha			0.76
Naphthalene	68	20	1.145
Neatsfoot oil	60	15.6	0.917
Nitric acid			1.5
Nitrobenzene	68	20	1.203
	59	15	1.205
Nonane-n	60	15.6	0.722
	68	20	0.718
Octane-n	60	15.6	0.707
Olive oil	60	15.6	0.91 - 0.92
Palm oil	60	15.6	0.924
Peanut oil	60	15.6	0.92
Pentane-n	32	0	0.65
	60	15.6	0.631
Petroleum oil			0.82
Phosphoric acid			1.78
Potassium hydrate			1.24
Rape oil			0.92
Sodium chloride			1.19

Sodium hydrate			1.27
Sulphuric acid			1.84
Tar			1
Tuluol			0.87
Turpentine oil			0.87
Vinegar			1.08
Water. fresh			1
Water. sea 36 oF			1.02
Whale oil			0.92
Xylene			0.87