

# Specific Gravity Table

Gas Specific Gravity relative to Air at 70°F

Liquid Specific Gravity relative to Water @ 60°F

GAS	Chemical Formula	Specific Gravity	Liquid	Specific Gravity
Acetylene	C <sub>2</sub> H <sub>2</sub>	0.911	Acetone	0.792
Air	-	1.000	Alcohol, Ethyl (100%)	0.789
Ammonia	NH <sub>3</sub>	0.596	Acid, Muriatic (40%)	1.200
Anthracite Producer Gas	-	0.850	Acid, Nitric (91%)	1.500
Argon	A	1.377	Acid, Sulfuric (87%)	1.800
Benzene	C <sub>6</sub> H <sub>6</sub>	2.692	Bunkers C Fuel Max.	1.014
Bituminous Producer Gas	-	0.860	Distillate	0.850
Blast-Furnace Gas	-	1.000	Fuel 3 Max.	0.898
Blue Water Gas	-	0.530	Fuel 5 Min.	0.966
Butane	C <sub>4</sub> H <sub>10</sub>	2.067	Fuel 5 Max.	0.993
Butylene	C <sub>4</sub> H <sub>8</sub>	1.994	Fuel 6 Min.	0.993
Carbon Dioxide	CO <sub>2</sub>	1.528	Gasoline	0.751
Carbon Monoxide	CO	0.967	Gasoline, Natural	0.680
Carbureted Water Gas	-	0.650	Hydrochloric Acid	1.256
Chlorine	Cl <sub>2</sub>	2.486	Kerosene	0.815
Coke Oven Gas	-	0.420	M. C. Residuum	0.935
Ethane	C <sub>2</sub> H <sub>6</sub>	1.049	Mercury	13.570
Ethyl Chloride	C <sub>2</sub> H <sub>5</sub> Cl	2.365	Olive Oil	0.919
Ethylene	C <sub>2</sub> H <sub>4</sub>	0.974	Pentane	0.624
Freon(F-12)	CCl <sub>2</sub> F <sub>2</sub>	4.520	SAE 10 Lube*	0.876
Helium	He	0.138	SAE 30 Lube*	0.898
Hydrogen	H <sub>2</sub>	0.070	SAE 70 Lube*	0.916
Hydrogen Chloride	HCl	1.268	Sea Water	1.025
Hydrogen Sulphide	H <sub>2</sub> S	1.190	32.6° API Crude	0.862
Methane	CH <sub>4</sub>	0.554	35.6° API Crude	0.847
Methyl Chloride	CH <sub>3</sub> Cl	1.738	40° API Crude	0.825
Natural Gas*	-	0.667	48° API Crude	0.788
Neon	Ne	0.696	Water	1.000
Nitrogen	N <sub>2</sub>	0.972		
Nitric Oxide	NO	1.034		
Nitrous Oxide	N <sub>2</sub> O	1.518		
Oxygen	O <sub>2</sub>	1.105		
Petane	C <sub>5</sub> H <sub>12</sub>	2.487		
Propane	C <sub>3</sub> H <sub>8</sub>	1.562		
Propylene	C <sub>3</sub> H <sub>6</sub>	1.450		
Sulphur Dioxide	SO <sub>2</sub>	2.264		
Toluene	C <sub>7</sub> H <sub>8</sub>	3.176		
Xylene	C <sub>8</sub> H <sub>10</sub>	3.662		
* Representative value			* 100 Viscosity Index.	

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