

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 ₂ H ₂	0.911	Acetone	0.792
Air	-	1.000	Alcohol, Ethyl (100%)	0.789
Ammonia	NH ₃	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 ₆ H ₆	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 ₄ H ₁₀	2.067	Fuel 5 Max.	0.993
Butylene	C ₄ H ₈	1.994	Fuel 6 Min.	0.993
Carbon Dioxide	CO ₂	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 ₂	2.486	Kerosene	0.815
Coke Oven Gas	-	0.420	M. C. Residuum	0.935
Ethane	C ₂ H ₆	1.049	Mercury	13.570
Ethyl Chloride	C ₂ H ₅ Cl	2.365	Olive Oil	0.919
Ethylene	C ₂ H ₄	0.974	Pentane	0.624
Freon(F-12)	CCl ₂ F ₂	4.520	SAE 10 Lube*	0.876
Helium	He	0.138	SAE 30 Lube*	0.898
Hydrogen	H ₂	0.070	SAE 70 Lube*	0.916
Hydrogen Chloride	HCl	1.268	Sea Water	1.025
Hydrogen Sulphide	H ₂ S	1.190	32.6° API Crude	0.862
Methane	CH ₄	0.554	35.6° API Crude	0.847
Methyl Chloride	CH ₃ 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 ₂	0.972		
Nitric Oxide	NO	1.034		
Nitrous Oxide	N ₂ O	1.518		
Oxygen	O ₂	1.105		
Petane	C ₅ H ₁₂	2.487		
Propane	C ₃ H ₈	1.562		
Propylene	C ₃ H ₆	1.450		
Sulphur Dioxide	SO ₂	2.264		
Toluene	C ₇ H ₈	3.176		
Xylene	C ₈ H ₁₀	3.662		
* Representative value			* 100 Viscosity Index.	

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