



PLATINUM ARCH

MANUFACTURING & CONSTRUCTION

QUALITY • EXPERIENCE • SOLUTIONS • SERVICE

The specific gravity & weights chart below is intended to aide in the selection of aboveground storage tanks. The liquids listed below are most commonly found within the petroleum industry

Specific Gravities & Weights - Select Liquids*			
Liquid	Specific Gravity	Weight in lbs. Per Gallon	Weight in lbs. Per Cubic ft.
Acetic Acid	1.049	8.75	65.5
Alcohol, Ethyl (Ethanol)	0.789	6.58	49.2
Benzene	0.876	7.31	54.7
Caustic Soda (66% Solution)	1.700	14.18	106.1
Citric Acid	1.542	12.86	96.2
Ether	0.708	5.90	44
Ethyl Acetate	0.901	7.50	56
Ethyl Chloride	0.917	7.64	57
Ethyl Ether	0.712 - 0.714	5.93 - 5.95	44 - 45
Ethylene Glycol	1.100	9.17	68.6
Hydrochloric Acid (43.4% Solution)	1.213	10.12	75.7
# 1 Fuel Oil	0.80 - 0.85	6.7 - 7.1	50 - 53
# 2 Fuel Oil	0.81 - 0.91	6.7 - 7.6	51 - 57
# 4 Fuel Oil	0.84 - 1.00	7.0 - 8.3	52 - 62
# 5 Fuel Oil	0.91 - 1.06	7.6 - 8.8	57 - 66
# 6 Fuel Oil	0.92 - 1.08	7.7 - 9.0	57 - 67
Gasoline	0.70 - 0.76	5.8 - 6.3	44 - 47
Kerosene	0.82	6.83	51
Molasses	1.40-1.46	11.46	
Naphthalene	1.145	9.54	71
Naphtha, Petroleum Naphtha	0.667	5.56	41.6
Nitric Acid (91% Solution)	1.502	12.53	93.7
Phenol	1.071	8.93	66.8
Sulphuric Acid (87% Solution)	1.834	15.30	114.4
Thiosulfate	1.266-1.287	11.04	
UAN 28%	1.28	10.6	53.4
UAN 32%	1.32	3.5	79.7
Water (Sea)	1.025	8.54	64
Water (0 degree Celsius)	1.00	8.34	62.4
Water (20 degree Celsius)	0.998	8.32	62.3