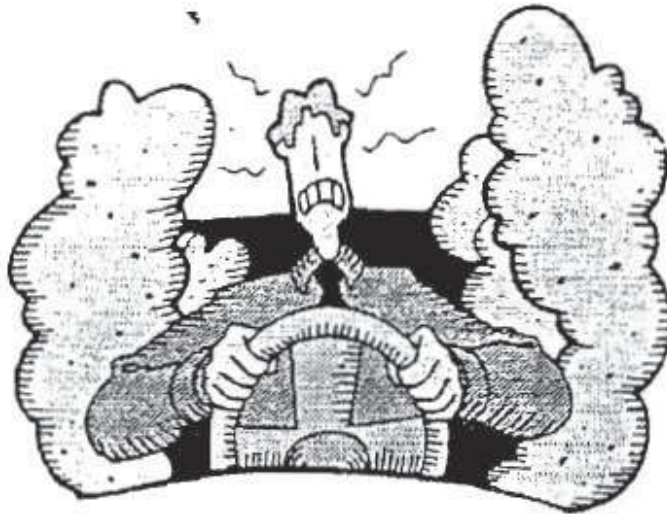




Miscellaneous Information

Flash Points

Pounds Per Gallon for Certain Hazardous Materials

Hazardous Material Weight listing

LIST OF AVERAGE WEIGHT IN POUNDS PER GALLON I KILOGRAMS PER LITRE OF LIQUIDS AND LIQUEFIED GASES (AT 60 DEGREES F /15.55 DEGREES C UNLESS OTHERWISE INDICATED).

Certain factors such as density, chemical properties and temperature are important in determining true weight by volume; therefore during any investigation it would be necessary to obtain data sheets on the specific commodity or a statement from the shipper as to its factual weight.

Pounds Per Gallon	Commodity	Kilograms Per Litre
6.93	Acetal	0.932
6.65	Acetaldehyde	0.894
8.65	Acetic Acid -28% strength	1.163
8.94	70% strength	1.202
8.94	84% strength	1.202
8.75	Glacial strength	1.176
9.04	Acetic Anhydride	1.215
6.64	Acetone	0.893
7.75	Acetone Cyanahydrin	1.042
6.87 to 7.19	Acetone Oils to Keytone Oils	0.923 to 0.967
6.51	Acetonitrile	0.875
8.6	Acetophenone	1.156
8.11	Acetylacetone	1.09
9.18	Acetyl Chloride	1.234
10.7	Acetylene Dichloride	1.438
13.3	Acetylene Tetrachloride	1.788
6.97	Acrolein	0.937
7.48 to 7.90	Acrylic Esters	1.005 to 1.062
6.64	Acrylonitrile	0.893
6.6	Alcohol, anhydrous	0.887
6.8	Alcohol	0.914
6.9	Aldehol	0.928
9.2	Aldol	1.237
7.14	Allyl Alcohol	0.965
11.6	Allyl Bromide	1.559
7.7	Allyl Chloride	1.035
8.56	Allyl Mercaptan	1.151
11.10	Average - Alum	1.492
8.7	Aluminum Subacetate Solution	1.169
7.68	Aminoethyl Ethanolamine	1.032
5.14	Ammonia, Anhydrous (Liquefied)	0.691
8.0	Ammonia Solution, Diluted (10%)	1075
7.5	Ammonia Solution, Strong (28%)	1.008
7.4	Amyl Acetate	0.995
6.78	Amyl Alcohol, Normal	0.911
6.76	Amyl Alcohol, Refined	0.909
6.3	Amyl Amine	0.847
7.38	Amyl Chloride	0.992
67	Amylene Hydrate	0.901
7.1	Amyl Mercaptan	0.954
71	Amyl Nitrate	0.954
7.2	Amyl Oleate	0.968
8.1	Amyl Phenol	1.089
7.7	p-tert-Amylphenol	1.035
8.5	Amyl Phthalate	1.143
7.3	Amyl Propionate	0.981
8.8	Amyl Salicylate	1.183
8.2	Anethole	1.102
8.5	Aniline	1.143
8.2	Anise Oil	1.102
9.1	O-Anisidine	1.223

Pounds Per Gallon	Commodity	Kilograms Per Litre
8.3	Anisole	1.116
7.44	Aqua Ammonia	1.000
7.5	Aromatic Ammonia Spirit	1.008
	ASPHALT averages at transportation temps	
7.8	Asphalt RC-0	1.049
7.9	Asphalt RC-1	1.062
8.0	Asphalt RC-2	1.075
8.1	Asphalt RC-3	1.089
8.2	Asphalt RC-4	1.102
8.3	Asphalt RC-5	1.116
8.6	Asphalt 40-50 Penetration	1.156
8.5	Asphalt 60-150 Penetration	1.143
8.3	Asphalt Emulsified	1.116
8.3	Balsam Canada	1.116
8.1	Bay Oil	1.089
10.5	Benzal Chloride	1.411
8.7	Benzaldehyde	1.169
7.3	Benzene	0.981
11.5	Benzotrachloride	1.546
10.2	Benzoyl Chloride	1.371
8.8	Benzyl Acetate	1.183
8.7	Benzyl Alcohol	1.169
9.3	Benzyl Benzoate	1.250
8.9	Benzyl Cellosolve	1.196
9.2	Benzyl Chloride	1.237
8.7	Benzyl Ether	1.169
7.3	Bergamot Oil	0.981
8.7	Bitter Almond Oil	1.169
7.1	Bitter Orange Oil	0.954
8.2	Bomyl Acetate	1.102
26.0	Bromine	3.495
12.5	Bromobenzene	1.680
11.6	Bromethylbenzene	1.559
24.0	Bromoform	3.226
11.9	o-Bromotoluene	1.600
11.7	p-Bromotoluene	1.573
5.16	Butadiene	0.694
4.86	Butane	0.653
8.06	Butyl Acetoacetate	1.083
7.8	Butyl Acetyl Ricinoleate	1.049
6.74	Butyl Alcohol, Normal	0.906
6.72	Butyl Alcohol, Secondary	0.903
6.55	Butyl Alcohol, Tertiary	0.882
6.69	Butyl Aldehyde, Normal	0.839
6.22	Burylamine	0.336
10.6	n-Butyl Bromide	1.425
7.2	Butyl Butyrate	0.968
8.0	Butyl Carbilol	1.075
7.5	Butyl Cellosolve	1.008
7.4	n-Butyl Chloride	0.995
8.7	Butyl Citrate	1.169
8.3	1,3 Butyleneglycol	1.116
6.4	n-Butyl Ether	0.860
6.3	Butyl Ethyl Ether	0.847
8.1	Butyl Lactate	1.089
7.48	Butyl Methacrylate	1.005
8.3	Butyl Oxalate	1.116
8.7	n-Butyl Phthalate	1.169
7.2	Butyl Propionate	0.968
7.2	Butyl Stearate	0.914
6.8	n-Butyraldehyde	0.914

Pounds Per Gallon	Commodity	Kilograms Per Litre
8.0	Butyric Acid	1.075
8.1	Butyric Anhydride	1.089
7.32	Butyric Ether (Ethyl Butyrate)	0.984
8.83	Calcium Bisulfite Solution	1.187
7.7	n-Caproic Acid	1.035
7.6	Caprylic Acid	1.022
7.5	Caraway Oil	1.008
8.2	Carbitol	1.102
8.5	Carbitol Acetate	1.143
8.88	Carbolic Acid (Phenol)	1.194
8.76	Carbon Dioxide (-50°F - Liquefied)	1.178
10.5	Carbon Disulfide	1.411
13.3	Carbon Tetrachloride	1.788
7.8	Cardamom Oil	1.049
8.31	Camauba Wax	1.117
8.1	Carvacrol	1.089
8.0	Carvone	1.075
5.0 to 5.8	Casinghead Gasoline	0.739 to 0.780
8.01	Castor Oil	1.077
12.7	Caustic Soda (50% strength)	1.707
14.7	Caustic Soda (73% strength)	1.976
7.8	Cellosolve	1.049
8.1	Cellosolve Acetate	1.089
8.0	Chenopodium 0,1	1.075
12.6	Chloral	1.694
13.4	Chlordane	1.801
12.17	Chlorine (Liquefied)	1.636
11.37	Chloroacetic Acid	1.528
9.65	Chloroacetone	1.297
10.1	o-Chloraniline	1.358
9.2	Chlorobenzene	1.237
9.6	b-Chloroethyl Acetate	1.29
8.7	Chloroethylbenzene	1.169
12.3	Chloroform	1.653
10.2	Chloronaphthalene Oils	1.371
9.6	b-Chlorophenetole	1.29
10.3	o-chlorophenol	1.385
13.8	chlorpicrin	1.855
7.99	Chloroprene	1.074
14.7	Chlorosulfonic Acid	1.916
9.0	Chlorotoluene	1.21
8.8	Cinnamon Oil	1.183
7.1	Citronellal	0.954
1.5	Citronella Oil	1.008
8.7	Clove Oil	1.169
7.7	Coconut Oil	1.035
7.7	Cod Liver Oil	1.035
6.4	Collodion	0.86
7.62	Copra Oil	1.024
7.2	Coriander Oil	0.968
7.6	Cor Oil	1.022
1182	Cor Syrup	1.589
7.68	Cottonseed Oil	1.032
8.96	Creosote	1.204
8.55	Cresol	1.49
8.62 to 8.76	Cresylic Acid	1.159 to 1.178
7.15	Crotonaldehyde	0.961
7.2	Crotonaldehyde	0.968
7.3	Crotonyl Alcohol	0.981
6.76	Crude Oil (Pennsylvania)	0.909
7.21	Crude Oil (Wyoming)	0.969

Pounds Per Gallon	Commodity	Kilograms Per Litre
- ?~ I_::J	Crude Oil (Oklahoma)	0.975
7.3	Crude Oil (Texas)	0.981
7.6	Cubeb Oil	1.022
7.2	Cumene	0.968
6.5	Cyclohexane	0.874
8.0	Cyclohexanol	1.075
8.05	Cyclohexanol Acetate	1.082
7.9	Cyclohexanone	1.062
6.7	Cyclohexene	0.901
8.6	Cyclohexyl Glycolate	1.156
6.2	Cyclopentane	0.833
7.9	Cyclopentanol	1.062
7.9	Cyclopentanone	1.062
6.4	Cyclopentene	0.86
7.2	m-Cymene	0.968
7.3	o-Cymene	0.981
7.1	p-Cymene	0.954
7.31	Decahydronaphthalene	0.983
7.5	Decalin	1.008
6.9	n-Decyl Alcohol	0.928
6.92	Decylaldehyde	0.93
7.8	Diacetone Alcohol	1.049
6.7	Diallyl Ether	0.901
642	Diamylamine	0.863
6.4	Dibutylamine	0.860
8.24	Dibutyl Phthalate	1.108
7.79	Dibutyl Sebacaate	1.047
13.1	Diahydroacetic Acid	1.761
10.9	a-Dichlorobenzene	1.465
10.47	Dichloroethylene	1.407
10.2	Sym.-Dichloroethyl Ether	1.371
9.3	Dichloroisopropyl Ether	1.25
9.02	Dichloropentane	1.213
7.05	Diesel Fuel (approximate)	0.948
9.08	Diethanolamine	1.221
5.80	Diethylamine	0.780
7.34	Diethyl Benzene	0.987
6.84	Diethyl Carbinol	0.919
7.2	2-Diethylaminoethanol	0.968
7.8	Diethylaniline	1.049
6.8	Diethyl Carbinol	0.914
7.6	Diethyl Carbitol	1.022
8.13	Diethyl Carbonate	1.093
8.61	Diethylene Ether (Dioxane)	1.157
9.32	Diethylene Glycol	1.253
8.24	Diethylene Glycol Diethyl Ether	1.108
8.0	Diethylene Glycol Monolaurate	1.075
7.5	Diethylformamide	1.008
6.8	Diethyl Ketone	0.914
9.4	Diethyl Phthalate	1.264
9.8	Diethyl Sulfate	1.317
9.7	Diglycol Chlorohydrin	1.304
8.1	Diglycol Laurate	1.089
7.7	Diglycol Oleate	1.035
6.7	Diisobutyl Ketone	0.901
8.3	Diisopropanolamine	1.116
6.0	Diisopropylamine	0.807
10.3	Dimercaprol	1.385
8.4	Dimethoxytetraglycol	1.129
5.7	Diethylamine	0.766
8.0	Diethylamine	1.075

Pounds Per Gallon	Commodity	Kilograms Per Litre
5.5	Dimethyl Ether	0.739
7.9	Dimethylformamide	1.062
7.4	Dimethyl Furan	0.995
8.3	Dimethyl Glyoxal	1.1 16
9.9	Dimethyl Phthalate	1.331
11.1	Dimethyl Sulfate	1.492
6.7	Dioctylamine	0.90.
8.6	1,4-Dioxane	1.156
8.9	Dioxolane	1.196
9.7	Diphenylamine	1.304
6.1	Dipropylamine	0.82
8.6	Dipropylene Glycol	1.155
6.8	Dipropyl Ketone	0.914
7.73	Divinylbenzene	1.039
0.32	Dodecene	0.05
7.2	Dwarf Pine Needle Oil	0.968
9.9	Epichlorohydrin	1.331
8.5	Ethanolamine	1.143
6.0	Ether (at 200 F)	0.807
7.8	Ethohexadiol	1.049
7.5	Ethyl Acetate	1.008
8.6	Ethyl Acetoacetate	1.156
7.62	Ethyl Acrylate	1.024
6.53	Ethyl Alcohol (Ethanol)	0.878
5.9	Ethylamine	0.793
8.0	m-Elhylaniline	1.075
8.8	Ethyl Benzoate	1.183
11.9	Ethyl Bromide	1.60
6.9	2-Ethylbutyl Alcohol	0.928
6.8	Ethyl Butyl Ketone	0.914
6.8	2-Ethylbutyraldehyde	0.914
73	Ethyl n-butyrate	0.981
7.7	2-Elhylbutyric Acid	1.035
7.5	Ethyl Caproate	1.008
8.1	Ethyl Carbonate	1.089
9.7	Ethyl Chloroacetate	1.304
9.5	Ethyl Chlofofomate	1.277
8.8	Ethyl Cinnamate	1.183
9.5	Ethyl Citrate	1.277
5.07	Ethylene (at 320 F f 00 C)	0.682
10.05	Ethylene Chlorohydrin	1.351
8.66	Ethylene Cynohydrin	1.164
7.50	Ethylene Diamine	1.008
7.50	Ethylene Diamine, Anhydrous	1.008
18.2	Ethylene Dibromide	2.447
10.5	Ethylene Dichloride	1.41 1
7.68	Ethylene Formate	1.032
9.3	Ethylene Glycol	1.25
9 .2	Ethylene Gylcol Diacetate	1.237
9.2	Ethylene Glycol Monoacetate	1.237
7.7	Ethyl Formate	1.035
7.26	Ethyl Hexyf Acetate	0.976
6.94	Ethyl Hexyl Alcohol	0.933
16.1	Ethyl Iodide	2.164
7.2	Ethylsobutyrate	0.968
6.2	Elhyllsopropyl Ether	0.833
7.2	Ethyl Isovalerate	0.968
8.6	Ethyl Lactate	1.156
8.9	Elhyl Maleate	1.196
8.8	Ethyl Malonate	1.183
7.56	Ethyl Methacrylate	1.016

Pounds Per Gallon	Commodity	Kilograms Per Litre
6.0	Ethyl Methyl Ether	0.807
6.86	Ethyl Methyl Ketone	0.922
7.5	Ethyl Nitrite	1.008
6 .9	Ethyl Nitrate Spirit	0.928
9.0	Ethyl Oxalate	1.21
8.7	Ethylphenylethar;otamme	1.169
8.5	Ethyl Phenyl Ketone	1.143
9.4	Ethyl Phthalate	1.264
7.4	Ethyl Propionate	0.995
7.1	2-E thyl-3-Propyl acrolein	0.954
6.1	Ettlyl-n-Propyl Ether	0.82
6.8	Ethyl Propyl Ketone	0.914
9.4	Ethyl Salicylate	1.264
7.8	Ethyl Silicate	1.049
11.0	Ethylsulfuric Acid	1.479
11.5	Ethyl TriChloroacetate	1.546
8.2	Ethly Urethan	1.102
7.7	Eucalyptol	1.035
7.6	Eucalyptus Oil	1.022
8.9	Eugenol	1.196
7.6	Expressed Almond Oil	1.022
8.0	Fennel Oil	1.075
11.0	Ferric Chloride Solution	1.479
12.9	Ferric Subsulfate Solution	1.734
11.4	Ferrous Iodide Syrup	1.532
10.73	Fluosilicic Acid	1.442
9.13	Formaldehyde	1.227
9.0	Formaldehyde Solution	1.21
9.5	Formamide	1.277
10.12	Formic Acid	1.36
10.0	Formic Acid, 90%	1.344
8.8	Formic Acid, 25%	1.183
6.79	Fuel Oil # 1	0.913
7.01	Fuel Oil # 2	0.942
7.09	Fuel Oil # 3	0.953
7.14	Fuel Oil # 4	0.96
7.38	Fuel Oil # 5	0.992
8.13	Fuel Oil # 6	1.093
8 .00	Fuel Oil Residual	1.075
7.8	Furan	1.049
9.7	Furfural	1.304
9.4	Furfuryl Alcohol	1.264
6.92	FuselOil	0.93
6 .19	Gasoline (average)	0.832
7.4	Geranial	0.995
7.4	Geraniol	0.995
10 .51	Glycerine	1.413
13.2	Glycerophosphoric Acid	1.774
8.2	Glyceryt Laurate	1.102
9.2	Glycol Diacetate	1.237
10.22	Glycol Diformate	1.374
7.5 to 8.0	Greases	1.008 to 1.075
7.7	Halibut liver Oil	1.035
7.1	Heptadecanol	0.954
6.1	2,4-Heptadiene	0.82
5.7	n-Heptane	0.766
6.8	Heptyl Ether	0.914
5.7	1,5-Hexadiene	0.766
59	2,4-Hexadiene	0.793
10.8	Hexaethyltetraphosphate	1452
69	n,-Hexaldehyde	0.928

Pounds Per Gallon	Commodity	Kilograms Per Litre
5.48	Hexane	0737
6 .82	Hexyl Alcohol (Hexanol)	0.917
6 .39	Hexylamrne	0.859
7.69	Hexylene Glycol	1.034
6 .8	n-Hexyl Methyl Ketone	0.914
8.4	Hydrazine	1.129
12.5	Hydriodic Acid 47%	1.68
11 .5	Hydrobromic Acid 40%	1.546
9.4	Hydrochloric ,A.cid 180 Baume	1.264
9.65	Hydrochloric ACid 200 Baume	1.297
9.89	Hydrochloric Acid 230 Baume	1.329
9.8	Hydrochloric Acid 36%	1.317
5.8	Hydrocyanic Acid 97%	0.78
9 .8	Hydrofluoric Acid 55%	1317
10.6	Hydroftuosilicic Acid 30%	1.425
12.2	Hydrogen Peroxide, Anhydrous	1.64
9.19	Hydrogen Peroxide 28% strength	1.235
9.26	Hydrogen Peroxide 30% strength	1.245
9.44	Hydrogen Perexide 35% strength	1.269
11 .6	Hydrogen Peroxide 90% strength	1.559
12.1	Hydrogen Peroxide 100% strength	1.627
9.2	Hydroxybutyraldehyde	1.237
9.4	Hypophosphorous Acid 30%	1.264
9 .0	Indalone	1.21
8.0	Indan	1.075
4.81	Industrial Gas (Liquified Hydrocarbon gas)	0.647
7.9	b-Ionone	1.062
7.3	Isoamyl Acetate	0.981
6 .8	Isoamyl Alcohol	0.914
8.3	Isoamyl Benzoate	1.116
10.2	Isoamyl Bromide	1.371
7.1	Isoamyl Butyrate	0.954
7.4	Isoamyl Chloride	0.995
6 .5	Isoamyl Ether	0.874
7.1	Isoamyl Isovalerate	0.954
7.3	Isoamyl Nitrate	0.981
8.6	Isoamyl Phthalate	1.'156
8 .9	Isoamyl Silicylate	1.196
4 .63	Isobutane	0.622
7.7	Isobutenyl Chloride	1.035
7.3	Isobutll Acetate	0.981
6.8	Isobutyl Alcohol	0.914
6.64	Isobutyl Aldehyde	0.893
6.09	Isobutyl Amine	0.819
8.3	Isobutyl Benzoate	1.116
10.5	Isobutyl Bromide	1.411
7.2	Isobutyl n-Butyrate	0.968
6.78	Isobutyl Carbinol	0.911
7.4	Isobutyl Chloride	0.995
6.3	Isobutyl Ether	0.847
7.3	Isoburyl Formate	0.981
7.2	Isobutyl Nitrite	0.968
7.4	Isobutyl Propionate	0.995
7.9	Isobutync Acid	1.062
9.1	Isoeugenol	1.223
5.74	Isooctane	0.722
5.19	Isopentane	0.698
7.68	Isophorone	1.032
5.7	Isoprene	0.766
7.3	Isopropyl Acetate	0.981
6.5	Isopropyl Alcohol	0.874

Pounds Per Gallon	Commodity	Kilograms Per Litre
5.8	Isopropylamine	078
7.2	Isopropylbenzene	C.968
10.9	Isopropyl Bromide	1.465
7.2	Isopropyl Chloride	0.968
6.0	Isopropyl Ether	0.807
7.8	Isovaleric Acid	1.049
6.5	Isovaleronitrile	0.874
6.06 to 6.87	Jet Fuel	0.815 to 0.923
6.79	Kerosene	0.913
10.38	Lactic Acid	1.395
7.61	Lard Oil	1.023
8.0 to 8.3	Latex	1.075 to 1.116
7.74	Laural Alcohol	1.04
7.4	Lavender Oil	0.995
10.4	Lead Subacetate Solution	1.398
7.5	Lemon Grass Oil	1.008
7.1	Lemon Oil	0.954
70	d-Limonene	0.941
7.5	Linoleic Acid	1.008
7.72	Linseed Oil	1.038
4.25 to 4.86	Liquefied Petroleum Gas	0.653
8.9	Liquefied Phenol	1.196
7.4	Liquid Petrolatum	0.995
7.1	Liquid Petrolatum, Light	0.954
7.75	Menhaden Oil	1.042
7.4	1-Menthyl	0.995
112.9	Mercury	15.175
7.13	Mesityl Oxide	0.958
8.48 to 9.24	Methacrylate Polymers	1.14 to 1.241
7.7	Methyl Acetate	1.035
8.9	Methyl Acetoacetate	1.196
7.9	Methyl Acrylate	1062
7.1	Methylal	0.954
6.6	Methyl Alcohol	0.887
7.1	Methyl Amyl Acetate	0.954
6.7	Methyl Amyl Alcohol	0.901
6.8	Methyl Amyl Carbinol	0.914
6.8	Methyl n-Amyl Ketone	0.9.4
8.2	n-Methylaniline	1.102
6.9	Methyl Butyl Ketone	0.928
8.6	Methyl Carbitol	1 156
8.0	Methyl Cellosolve	1075
84	Methyl Cellosolve Acetate	1.129
6.51	Methyl Cyanide	0.875
7.7	Methyl Cyclohexanone	1.035
20.8	Methyl Bromide	2.796
11.07	Methylene Chloride	1.488
27.7	Methylene Iodide	3.724
8.2	Methyl Ethyl Ketone	0.901
8.1	Methyl Formate	1.089
6.8	Methyl Hexyl Ketone	0.9 14
8.8	Methyl-3-Hydroxybutyrate	1.183
18.8	Methyl Iodide	2.527
6.7	Methyl Isobutyl Ketone	0.901
7.4	Methyl Isobut"yrate	0.995
9.0	Methyl Lactate	1.21
9.9	Methyl Phthalate	1.331
6.75	Methyl Propyl Carbinol	0.907
6.1	Methyl Propyl Ether	0.82
6.73	Methyl Propyl Ketone	0.905
9.9	Methyl Salicylate	1.331

Pounds Per Gallon	Commodity	Kilograms Per Litre
8.42 10 8.64	Milk	1.132 to 1.161
6.40 to 6.55	Mineral Spirits	0.86 to 0.88
11.75	Molasses	1.579
10.1	Monacetin	1.358
9.26	Monochlorobenzene	1.245
11.1	a-Monochlorohydrin	1.0492
8.2	Monoisopropanolamine	1.102
8.3	Morpholine	1.116
13.12	Motor Fuel Antiknock Compound	1.764
949	Muriatic Acid 180 Baume	1.276
9.65	Muriatic Acid 200 Baume	1.297
9.89	Muriatic Acid 230 Baume	1.329
7.6	Mustard Oil	1.022
7.5	Myristica Oil	1.008
6.2 to 7.99	Naphtha	0.833 to 1.074
7.16 to 7.46	Naphtha Solvent	0.962 to 1.003
7.63	Neatsfoot Oil	1.026
5.54	Neohexane	0.745
11.26	Nitric .Acid 380 Baume	1.514
11.70	Nitric Acid 420 Baume	1.573
11.7	Nitric A.cid (58%)	1.573
12.5	Nitric Acid Fuming	1.68
10.0	Nitrobenzene	1.344
8.74	Nitroethane	1.175
7.9	Nitrcgen Fertilizer Solutions	1.062
13.3	Nitroglycerin	1.788
94	Nitromethane	1.264
9.0	m-Nitrotoluene	1.29
9.7	o-Nitrotoluene	1.304
5.9	n-Nonane	0.793
6.8	Octanal	0.914
5.9	Octane	0.793
7.3	Octyl Acetate	0.981
6.9	Octyl Alcohol	0.928
6.87	Octyaldehyde	0.923
6.6	Octyl Amine	0.887
6.96 10 7.93	Oil, Fuel. #2 or #3	0.936 to 0.985
7.5 to 8.5	Oil. Fuel, #4, #5 or #6	1.08 to 1.143
7.2 to 7.7	Oil, lubricating	0.968 to 1.035
7.4	Oleic Acid	0.995
7.6	Olive Oil	1.022
7.2	Orange Flower Oil	0.968
7.0	Orange Oil	0.941
8.0 to 12.0	Paint	1.075 to 1.613
7.03	Palmitic Acid	0.945
7.92	Palm·Nut Oil	1.067
7.98	Parraffin Wax	1.073
8.29	Paraldehyde	1.114
7.62	Peanut Oil	1.024
7.57	Pelargonic Acid	1.018
7.8	Pennyroyal Oil, American	1.049
14.0	Pentachloroethane	1.882
5.2	Pentane	0.699
7.5	Peppermint Oil	1.088
14.0	Perchloric Acid, 70%	1.882
13.39	Perchloroethylene	1.8
7.6	Persic Oil	1.022
9.7	Peruvian Balsam	1.304
5.5	Petroleum Benzin	0.739
5.26 to 5.28	Petroleum Ether	0.707 to 0.737
8.0	Phenetole	1.075

Pounds Per Gallon	Commodity	Kilograms Per Litre
8.88	Phenol	1.194
8.6	Phenylacetaldehyde	1.156
8.9	Phenyl Acetate	1.196
9.2	Phenyl Cellosolve	1.237
9.0	Phenylethanolamine	1.21
8.6	Phenyl Ethyl Acetate	1.156
8.5	Phenylethyl Alcohol	1.143
7.31	Phorone	0.983
9.2	Phosphoric Acid 20% strength	1.237
10.1	Phosphoric Acid 35% strength	1.358
11.1	Phosphoric Acid 50% strength	1.492
13.1	Phosphoric Acid 75% strength	1.761
14.9	Phosphoric Acid 85% strength	2.003
13.92	Phosphorus Oxychloride	1.871
13.1	Phosphorus Trichloride	1.761
11.7	o-Phthalyl Chloride	1.573
8.0	3-Picoline	1.075
8.6	Pimenta Oil	1.156
7.1	D1-Pinene	0.954
7.4	Pine Needle Oil	0.995
7.8	Pine Oil	1.049
7.2	Piperridine	0.968
9.4	Polyethylene Glycol 300	1.264
9.4	Polyethylene Glycol 400	1.264
9.0	Polysorbate 80	1.21
9.2	Polyvinyl Acetate Emulsion	1.237
10.06	Polyvinyl Alcohol	1.352
7.7	Poppy Oil	1.035
12.7	Potassium Hydroxide Solutions	1.707
10.4 to 11.56	Potassium Silicate Solutions	1.398 to 1.554
6.7	Propionaldehyde	0.901
8.3	Propionic Acid	1.116
8.3	Propionic Anhydride	1.116
6.5	Propionitrile	0.874
7.4	Propyl Acetate	0.995
6.7	n-Propyl Alcohol	0.901
6.72	Propyl Aldehyde	0.903
7.4	Propyl Chloride	0.995
9.2	Propylene Chlorohydrin	1.237
7.3	Propylenediamine	0.981
9.7	Propylene Dichloride	1.304
8.6	Propylene Glycol	1.156
6.9	Propylene Oxide	0.928
6.1	Propyl Ether	0.82
8.2	Pyridine	1.102
9.1	Quinoline	1.223
7.6	Rapeseed Oil	1.022
7.4	Red Oil	0.995
11.0	Refrigerant Gases	1.479
9.5 to 10.5	Resins. Synthetic	1.277 to 1.411
7.5	Rosemary Oil	1.008
7.1	Rose Oil	0.954
9.2	Safrol	1.237
9.7	Salicylaldehyde	1.304
8.1	Santal Oil	1.089
8.9	Sassafras Oil	1.196
7.6	Sesame Oil	1.022
9.1	Sodium Carbonate Solution 10%	1.223
12.8	Sodium Carbonate Solution 50%	1.721
10.0	Sodium Silicate	1.344
11.0	Sorbitol	1.479

Pounds Per Gallon	Commodity	Kilograms Per Litre
10.4	Sorbitol Solution	1.398
7.7	Soya Oil	1.035
7 .68	Soybean Oil	1.032
7.7	Spearmint Oil	1.035
Up to '15.3	Spent Acid	Up to 2.057
7.3	Sperm Oil	0.981
704	Stearic Acid	0.946
6.98	Stoddard Solvent	0.938
7.66	Styrene	1.03
8.9	Succinaldehyde	1.196
16.8	Sulfur (molten)	2.258
14.03	Sulfur Chloride	1.886
12.54	Sulfuric Acid 52o Baum	1.686
14.19	Sulfuric Acid 60o Baum	1.907
15.25	Sulfuric Acid 66o Baum	2.05
15.92	Sulfuric ACId 20% Oleum	2 14
15.3	Sulfuric Acid, 96%	2.057
8.5	Sulfurous Acid. 6%	1.143
7.58	Sunflower Oil	1.032
11.0	Syrup	1.479
7.99 to 8.31	Tall Oil	1.074 to 1.117
7.44	Tallow	1.0
9.0 to 10.37	Tar	1.21 to 1.394
7.18	Terebene	0.965
7.78	Terpineol	1.046
13.6	Tetrachloroethylene	1.828
7.0	Telradecanol	0 .941
9.4	Tetraethylene Glycol	1.264
7.4	Tetrahydrofuran	0.995
8.8	TelTahydrofurfuryl Alcohol	1.183
8.1	Tetralin	1.089
11 .0	Thioglycollic Acid	1.479
13.6	Thionyl Chloride	1.828
8.9	Thiophene	1.196
7.7	Thyme Oil	1.035
14.66	Titanium Tetrachloride	1.971
7.21	Toluene	0.969
8.74	Toluidine	1.175
9.7	Triacetin	1.304
6 .5	Tributylamine	0.874
8.7	Tributyl Citrate	1.169
8.1	Tributyl Phosphate	1.089
12.16	Trichlorobenzene	1.635
12.0	1,1 ,2-Trichloroethane	1.613
12.2	Trichloroethylene	1.64
11 .54	Trichlorosilane	1.551
9.36	Triethanolamine	1.L58
6.07	Triethylamine	0.816
9.35	Triethylene Glycol	1.257
8.9	Triethylphosphate	1.196
8.8	Triethylene Glycol	1.183
10.1	Triethyl Phosphate	1.358
7.6	Triolein	1.022
7.8	Tung Oil	1.049
7.2	Turpentine Oil	0.968
7.2	Turpentine Oil, Rectified	0.968
6.2	Udecane	0.833
6.9	1-Undecanol	0.928
7.6	Undecylenic Acid	1.022
11.08	Urea Solutions, Average	1.489
7.9	Valerie Acid	1.062

Pounds Per Gallon	Commodity	Kilograms Per Litre
6.7	Valeronitrile	0.901
7.73	Varnish	1.039
7.75	Vinyl Acetate	1.042
7.57	Vinyl Chloride	1.018
6.42	Vinyl Ether	0.863
6.22	Vinyl Methyl Ether	0.836
7.2	Vinyl Toluene	0.968
8.1	Vitamin K	1.089
8.3	Water	1.116
7.7	Whiskey	1.035
8.2	Wine	1.102
7.2	m-Xylene (Xylol)	0.968
7.5	o-Xylene (Xylol)	1.008
8.09 to 8.26	Xylidine	1.087 to 1.11
7.8	Ylang-Ylang Oil	1.049

Note: Baume is the scale on the Baume hydrometer used for the measurement of the densities of liquids.

Table of Flash Points

Chemical flash points will vary with each manufacturer because of slightly different specifications or formulations. When conflict exists between this list and the manufacturer's listed flash point, use the flash point given by the manufacturer.

Substance	Flash Point	
	°F	°C
Acetal	-5	-21
Acetaldehyde	-38	-39
Acetaldehyde diethyl acetal	5	-21
Acetic Acid, Isopropyl Ester	24	-4
Acetic Acid, Methyl Ester	14	-10
Acetic Acid, Propyl Ester	35	2
Acetic Aldehyde	-38	-39
Acetic Ester	24	-4
Acetic Ether	24	-4
Acetone	-4	-20
Acetonitrile	42	6
Acetyl Acetone	93	34
Acetyl Chloride	40	4
Acetylene: Dichloride - cis	39	4
Acetylene Dichloride - trans	36	2
Acrolein	-15	-26
Acrylic Aldehyde	-15	-26
Acrylonitrile	32	0
Adipic Ketone	79	26
Allyl Acetate	72	22
Allyl Alcohol	70	21
Allylamine	-20	-29
Allyl Bromide	30	-1
Allyl Chloride	-25	-32
Allyl Chlorocarbonate	88	31
Allyl Chloroformate	88	31
Allyl Ether	20	-7
Allylpropenyl	-6	-21
Allyl Trichlorosilane	95	35
Allyl Vinyl Ether	68	20
1-Aminobutane	10	-12
Aminocyclohexane	88	31
Amino Ethane	0	-18
2-Amino-4-Methylpentane	55	13
2-Aminopentane	30	-1
Amyl Acetate	60	16
Amyl Alcohol	91	33
Amylamine	30	-1
secondary Amylamine	20	-7
Amyl Bromide	90	32

Substance	Flash Point	
	°F	°C
Amyl Chloride	55	13
Amyl Chlorides Mixed	38	3
Amylene	0	-18
Amylene-cis	-4	-20
Amylene-trans	-4	-20
Amylene Chloride	80	27
Amyl Formate	79	26
Amyl Mercaptan normal	65	18
Amyl Mercaptans mixed	65	18
Asphalt cutback	10	50
Asphalt, Liquid-Medium Curing	100	38
Asphalt, Liquid-Rapid Curing	80	27
Banana Oil	77	25
Benzene	12	-11
Benzine	0	-18
Benzol	12	-11
Benzol Diluent	-25	-32
Benzotrifluoride	54	12
Bis beta-Methylpropyl Amine	85	29
Brandy	62	17
1-Bromo Butane	65	18
1-Bromopentane	90	32
3-Bromopropene	30	-1
Butadiene Monoxide	-58	-50
Butanal	-8	-22
2,3-Butanedione	80	27
1-Butanethiol	35	2
2-Butanethiol	-10	-2.3
1-Butanol	72	21
2-Butanol	72	12
2-Butanone	16	-9
2-Butenol	55	13
1-Butoxybutane	77	25
Butyl Acetate	72	12
secondary-Butyl Acetate	88	31
Butylaldehyde	20	-7
Butyl Alcohol	84	29
secondary-Butyl Alcohol	75	24
tertiary-Butyl Alcohol	52	11
Butylamine	10	-12

Substance	Flash Point	
	°F	°C
Secondary Butylamine	16	-9
Butyl Bromide	65	18
Tertiary Butyl Carbinol	98	37
Butyl Chloride	15	-9
secondary-Butyl Chloride	32	0
tertiary-Butyl Chloride	32	0
Butylene Oxide	5	-15
1,2-Butylene Oxide	5	-15
Butyl Ether	77	25
Butyl Ethylene	-7	-22
Butyl Ethylene Ether	40	4
Butyl Formate	64	18
tertiary-Butyl Hydroperoxide	80	27
N-Butyl Isocyanate:	80	7
Butyl Mercaptan	35	2
tertiary-Butyl Mercaptan	-20	-29
Butyl Methanoate	64	18
Butyl Nitrate	97	36
tertiary-Butyl Peracetate	80	27
Butyl Propionate	90	32
Butyl Vinyl Ether	15	-9
2-Butyne	-4	-20
Butyraldehyde	-8	-22
Butyric Acid, Ethyl Ester	75	24
Butyric Aldehyde	-8	-22
Butyric Ester	75	24
Butyronitrile	76	26
Carbon Bisulfide	-22	-30
Carbon Remover, Liquid	80	27
Carbon Disulfide	-22	-30
Cellulose Nitrate wet, with Alcohol	55	13
Cement, Rubber	50	10
Chlorobenzene	84	29
Chlorobenzol	84	29
Chlorobutadiene	-4	-20
2-Chloro-1, 3-Butadiene	-4	20
1-Chlorobutane	15	-9
2-Chlorobutane-2	-3	-19
Chloroethane	-58	-50
2-Chloroethyl Vinyl Ether	80	27
1-Chlorohexane	95	35
1-Chloro-2-Methyl Propane	70	21
1-Chloropentane	55	13
Chloroprene	-4	-20
1-Chloropropane	0	-18
2-Chloropropane	-26	-32
1-Chloro-1-Propene	21	-6
1-Chloropropylene	21	-6

Substance	Flash Point	
	°F	°C
2-Chloro Propylene	-4	-20
2-Chloropropylene Oxide	91	2
gamma-Chloropropylene Oxide	91	32
Cinnamene	90	32
Coal Tar Distillate	80	27
Coal Tar Light oil	80	27
Coal Tar Oil	80	27
Collodion	0	-18
Cologne Spirits	55	13
Columbian Spirits	52	11
Crotonaldehyde	55	13
Crotonic Aldehyde	55	13
Crotonyl Alcohol	81	27
Crotonylene	-4	-20
Crude Oil, Petroleum	20	-7
Cumene:	96	36
Cumol	96	36
Cycloheptane	70	21
Cyclohexane	-4	-21
Cyclohexene	20	-7
Cyclohexenone	93	34
Cyclohexylamine	88	31
Cyclohexyl Chloride	90	32
Cyclohexylmethane	25	-4
1,5-Cyclooctadiene	95	35
Cyclopentane	20	-7
Cyclopentane Methyl	20	-7
Cyclopentene	-20	-29
Cyclopentanone	79	26
DDS	70	21
Denatured Alcohol	60	16
Diacetone Alcohol	55	13
Diacetyl	80	27
1,3-Diaminobutane	80	27
1,3-Diaminopropane	75	24
Di-secondary-Butylamine	75	24
Dibutyl Ether	77	25
Di-tertiary-Butyl Peroxide	65	18
2,3-Dichlorobutadiene-1,3	50	10
1,3-Dichloro-2-Butene	80	27
1,3-Dichlorobutene-2	80	27
Dichlorodimethylsilane	70	21
1,1-Dichloroethane	22	6
1,2-Dichloroethane	56	13
1,1-Dichloroethylene	0	-18
1,2-Dichloroethylene	43	6
Dichloroethylene-cis	39	4
Dichloroethylene-trans	36	2
1,5-Dichloropentane	80	27

Substance	Flash Point	
	°F	°C
1,1-Dichloropropane	60	16
1,1-Dichloropropene	95	35
Dicyclopentadiene	90	32
Diethylacetaldehyde	70	21
Diethylamine	-9	-23
Diethyl Carbinol	91	33
Diethyl Carbonate	77	25
Diethyl Dichlorosilane	70	21
Diethylene: Dioxide	54	12
Diethylene Oxide	6	-14
Diethyl Ether	-49	-45
Diethyl Glycol	94	35
Diethyl Ketone	55	13
Diethyl Oxide	-49	-45
Dihydropyran	0	-18
Diisobutylamine	85	29
Diisobutylene	23	-5
Diisopropyl	-20	-29
Diisopropylamine	30	-1
Diisopropyl Ether	-18	-2.8
Diketene	93	34
1,2-Dimethoxyethane	29	-2
Dimethoxymethane	0	-18
Dimethylamine Aqueous Solution	0	-18
ortho-Dimethylaniline	90	32
1,2-Dimethylbenzene	90	32
1,3-Dimethylbenzene	81	27
1,4-Dimethylbenzene	81	17
2,2-Dimethylbutane	-54	-48
2,3-Dimethylbutane	-20	-29
2,3-Dimethyl-1-Butene	-4	-20
2,3-Dimethyl-2-Butene	-4	-20
1,3-Dimethylbutylamine	55	13
Dimethyl Carbinol	53	12
Dimethyl Carbonate	66	19
1,3-Dimethylcyclohexane	50	10
1,4-Dimethylcyclohexane	52	11
1,4-Dimethylcyclohexane-cis	61	16
1,4-Dimethylcyclohexane-trans	51	11
Dimethyldichlorosilane	70	21
Dimethyldioxane	75	24
Dimethylene Oxide	0	-18
Dimethyl Ethyl Carbinol	67	19
2,5-Dimethylfuran	45	7
2,3-Dimethylhexane	45	7
2,4-Dimethylhexane	50	10
1,1-Dimethylhydrazine	5	-15

Substance	Flash Point	
	°F	°C
Dimethylhydrazine Unsymmetrical	5	-15
N,N-Dimethylisopropanolamine	95	35
Dimethyl Ketone	-4	-20
2,3-Dimethylpentanaldehyde	94	34
2,3-Dimethylpentane	20	7
2,4-Dimethylpentane	1	-12
2,2-Dimethyl-1-Propanol	98	37
Dimethyl Sulfide	0	-18
para-Dioxane	54	12
Dioxolane	35	2
Dipropylamine	63	17
Dipropyl Ether	70	21
Divinyl Acetylene	-4	-20
Divinyl Ether	-22	-30
Epichlorohydrin	91	32
1,2-Epoxyethane	0	-18
Ethanal	-38	-39
Ethanethiol	0	-18
Ethanol	55	13
Ethanoyl Chloride	40	4
Ethenyl Ethanoate	18	-8
Ethenyloxethane	-22	-30
Ether	-49	-45
Ethoxyacetylene	20	-7
1-Ethoxypropane	-4	-20
Ethyl Acetate	24	-4
Ethyl Acrylate	50	10
Ethyl Alcohol	55	13
Ethyl Alcohol, denatured	48	9
Ethylaluminum Sesquichloride	-4	-20
Ethylamine	0	-18
Ethylbenzene	59	15
Ethylbenzol	59	15
Ethyl Borate	52	11
2-Ethylbutanal	70	21
Ethyl Butanoate	75	24
2-Ethyl-1-Butene	-4	-20
Ethylbutylamine	64	18
Ethyl Butyl Ether	40	4
2-Ethylbutylaldehyde	70	21
Ethyl Butyrate	75	24
Ethyl Carbonate	71	25
Ethyl Chloride	-58	-50
Ethyl Chlorocarbonate	61	16
Ethyl Chloroformate	61	16
Ethyl Chloromethanoate	61	16

Substance	Flash Point	
	°F	°C
Ethyl Crotonate	36	2
Ethylcyclobutane	-4	-16
Ethycyclohexane	95	35
N-Ethylcyclohexylamine	86	30
Ethylcyclopentane	70	21
Ethyl Dichlorosilane	30	1
Ethyl Dimethyl Methane	-60	-51
Ethylenediamine	93	34
Ethylene Dichloride	56	13
Ethylene Glycol Diethyl Ether	93	35
Ethylene Glycol Dimethyl Ether	29	-2
Ethylene Glycol Isopropyl Ether	92	33
Ethylene Imine. Inhibited	12	-11
Ethylenimine	12	-11
Ethylene Oxide	0	-18
Ethyl Ethanoate	24	-4
Ethyl Ether	-49	-45
Ethyl Formate	-4	-20
Ethyl Formate ortho	86	30
1,1-Ethylidene Dichloride	22	-5
1,2-Ethylidene Dichloride	55	13
Ethyl Isobutyrate	70	21
Ethyl Mercaptan	0	-18
Ethyl Methacrylate	68	20
Ethyl Methanoate	-4	-20
Ethyl Methyl Acrylate	68	20
Ethyl Methyl Ether	-35	-37
Ethyl Methyl Ketone	16	9
4-Ethylmorpholine	90	32
Ethyl Nitrate	50	10
Ethyl Nitrite	-31	-35
Ethyl Oxide	-49	-45
Ethyl Propenyl Ether	19	-7
Ethyl Propionate	54	12
Ethyl Propyl Ether	-4	-20
Ethyl Sulfhydrate	0	-18
Ethyltrichloro Silane	72	22
Ethyl Vinyl Ether	80	27
Extract, Liquid Flavoring	80	27
Fluorobenzene	5	-15
Formal	0	-18
Formic Acid. Butyl Ester	64	-18
Formic Acid. Ethyl Ester	-4	-20
Formic Acid, Methyl Ester	-2	-19
Furan	32	0
Furfuran	32	0
Furfurylamine	99	37
Gasoline	-45	-38

Substance	Flash Point	
	°F	°C
Gasoline: Aviation	-50	-46
Gasoline: Casinghead	0	-18
Gin	62	17-
Glycol Dichloride	56	13
Grain Alcohol	55	13
Heptane	25	-4
1-Heptene	32	0
3-Heptene mixed cis and trans	21	-6
Heptylene	32	0
Heptylene -2-trans	32	0
1,4-Hexadiene	-6	21
Hexahydroaniline	88	31
Hexahydrobenzene	-4	-20
Hexahdropyridine	61	16
Hexahydrotoluene	25	-4
Hexahydroxylol	52	11
Hexaldehyde	90	32
Hexamethylene	-4	-20
Hexanal	90	32
Hexane	-7	-22
2-Hexanone	77	25
3-Hexanone	95	35
1-Hexene		20 -7
2-Hexene mixed cis and trans-isomers	20	-7
2-Hexene-cis	-4	-20
Hexone	64	18
Hexalaminc	85	29
Hexyl Chloride	95	35
Hexyl Hydride	-7	-22
Hydrochloric Ether	-58	-50
Hydrocyanic Acid-96	0	-18
Hydrogen Cyanide	0	-18
Iron Carbonyl	5	-15
Isoamyl Acetate	77	25
tertiary-Isoamyl Alcohol	67	19
Isoamyl Chloride	70	21
Isobutyl Acetate	64	18
Isobutyl Acrylate	86	30
Isobutyl Alcohol	82	28
Isobutylamine	15	-9
Isobutyl Chloride	70	21
Isobutyl Formate	70	21
Isobutyl Vinyl Ether	15	-9
Isobutyraldehyde	-1	-18
Isobutyronitrile	47	8
Isoheptane	0	-18

Substance	Flash Point	
	°F	°C
Isoheptane Mixed Isomers	0	-18
Isohexane	-20	-29
Isooctane	40	5
Isooctenes	20	-7
Isopentaldehyde	48	9
Isopentane	-60	-51
Isoprenc	-65	-54
Isopropanol	53	12
Isopropenyl Acetate	60	16
Isopropenyl Acetylene	19	-7
2-Isopropoxypropane	-18	-28
Isopropyl Acetate	35	2
Isopropyl Alcohol	53	12
Isopropylamine	-35	-37
isopropylbenzene	96	36
isopropyl Carbinol	82	28
Isopropyl Chloride	-26	-32
isopropylcyclohexylamine	93	34
Isopropyl Ether	-18	-2
Isopropylethylene	20	-7
Isopropyl Formate	22	-6
isopropyl Mercaptan	-30	-34
Isopropyl Methanoate	22	-6
Isopropyl Vinyl Ether	-26	-36
Jet Fuel JP2	0	-18
Jet Fuel JP4	-20	-19
Jet Fuel JP9	70	21
Leather Bleach or Dressing	80	27
Mestyl Gride	87	31
Metaldehyde	97	36
alpha-Methacrolein	35	2
Methallyl Alcohol	92	33
Methallyl Chloride	11	-12
Methanol	52	11
3-Methoxypropylamine	90	32
Methyl Acetate	14	-10
Methyl Acetic Ester	14	-10
alpha-Methylacrolein	35	2
Methyl Acrylate	27	-3
Methylal	0	-18
Methyl Alcohol	52	11
Methylamine, Aqueous Solution	32	0
Methylamyl Acetate	64	18
Methylbenzene	40	4
Methyl Borate	80	27
2-Methyl-1,3-Butadiene:	-65	-54
2-Methylbutane	-60	-51
3-Methyl-2-Butanethiol	37	3
2-Methyl-2-Butanol	67	19
3-Methyl-1-Butanol Acetate	77	25

Substance	Flash Point	
	°F	°C
Methyl Butanone	73	23
2-Methyl-1-Butene Techn.ical Grade	20	-7
2-Methyl-2-Butene	20	-7
3-Methyl-1-Butene	20	7
N-Methylbutylamine	55	13
2-Methyl Butyl Ethanoate	77	25
Methyl Butyl Ketone	77	25
3-Methyl Butynol	77	25
2-Methylbutyraldehyde	49	9
Methyl Butyrate	57	14
Methyl Carbonate	66	19
Methyl Chloroformate	54	12
Methyl Cyanide	42	6
Methylcyclohexane	25	-4
4-Methylcyclohexene	30	-1
Methylcyclopentane	20	-7
Methyldichlorosilane	15	-9
Methyl Ethyl Carbinol	84	29
2-Methyl-2-Ethyl- 1,3-Diolane	74	23
Methyl Ethyl Ether	-35	-37
1-Methyl-4-Ethylhexane	70	11
3-Methyl-4-Ethylhexane	75	24
Methyl Ethyl Ketone	16	-9
2-Methyl-3-Ethylpentane	70	21
Methyl Formate	-2	-19
2-Methylfuran	-22	-30
2-Methylhexane	0	-18
3-Methylhexane	25	-4
Methylhydrazine	17	-8
Methyl Isoamyl Ketone	96	36
Methyl Isobutyl Ketone	64	18
Methyl Isocyanate	19	-7
Methyl Methacrylate	50	10
Methyl Methanoate	-2	-19
4-Methylmorpholine	75	24
2-Methyl-1,3-Pentadiene	-4	-20
4-Methyl-1,3-Pentadiene	-30	-34
Methylpentaldehyde	68	20
Methyl Pentanal	68	20
2-Methylpentanane	20	-7
3-Methylpentanane	20	-7
4-Methyl-2-Pentanone	64	18
2-Methyl-1-Pentene	20	-7
2-Methyl-2-Pentene	20	-7
4-Methyl-1-Pentene	20	-7
4-Methyl-2-Pentene	20	-7
2-Methylpropanal	-1	-18
2-Methyl-2-Propanethiol	-20	-29
2-Methyl Propanol	82	28

Substance	Flash Point	
	°F	°C
2-Methyl-2-Propanol	52	11
2-Methylpropenal	35	2
Methyl Propionate	28	-2
Methyl Propyl Acetylene	14	-10
Methylpropylcarbinylamine	30	-1
Methyl n-Propyl Ether	-4	-20
Methyl Propyl Ketone	45	7
Methylpyrrole	61	16
Methylpyrrolidine	7	-14
2-Methyltetrahydrofuran	12	-11
Methyltrichlorosilane	15	-9
2-Methylvaleraldehyde	62	17
1-Methyl Vinyl Acetate	60	16
Methyl Vinyl Ketone	20	-7
Monochlorobenzene	84	29
Monethylamine	0	-18
Morpholine	100	38
Motor Fuel. n.o.s.	-45	-38
Muriatic Ether	-58	-50
Naphtha	-57	-49
Naphtha, Petroleum	0	-18
Naphtha. Solvent	78	26
Naphtha V. M. . P. 50 degrees Flash	50	10
Naphtha V.MA P. High Flash	85	29
Naphtha V.M. . P Regular	28	-2
Neohexane	-54	-48
Neopentane	-54	-48
Nickel Carbonyl	-4	-24
Nitric Ether	50	10
Nitrocellulose Colloided Granular or Flake, Wet With Not less Than 20 Alcohol or Solvent, or Block. Wet With Not Less Than 25 Alcohol	55	13
Nitrocellulose, Wet With Not Less than 30 Alcohol or Solvent	55	13
Nitroethane	82	28
Nitromethane	95	35
1-Nitropropane	96	36
2-Nitropropane	75	24
secondary-Nitropropane	75	24
Nitrous Ether	-31	35
Nonane	88	31

Substance	Flash Point	
	°F	°C
Nonene	78	26
2,5-Norbornadiene	-6	-21
Octane	56	13
1-Octene	70	21
2-Octene Mixed cis- and trans-isomers	70	21
Tertiary Octylamine	91	33
Oxirane	0	-18
Paraldehyde	96	36
Pentaborane	86	30
Pent-Acetate	98	37
1,3-Pentadiene cis and trans mix	-20	-29
Pentamethylene Dichloride	go	27
Pentamethylene Oxide	-4	-20
Pentanal	54	11
Pentane	-40	-40
2,4-Pentanedione	93	34
1-Pentanol	91	33
1-Pentanol Acetate	6Q	16
1-Pentanone	45	7
3-Pentanone	55	13
1-Pentene	o	-18
1- Pentene -cis	-4	, 20
2-Pentene-trans	-4	-20
Pentylamine	30	-1
1-Pentyne	-4	-20
Petroleum. Crude	20	-7
Petroleum Ether	0	-18
Petroleum Naphtha	0	-18
Phenyl Chloride	84	29
Phenylethane	59	15
Phenylethylene	90	32
Phenylmethane	40	4
Phenylpropane	86	30
2-Phenylpropane	96	36
alpha-Pinene	91	33
Piperidine	61	16
Propanal	-22	-30
1,3-Propanediamine	75	24
1-Propanol	74	23
2-Propanol	53	12
Propanoyl Chloride	54	12
Propargyl Alcohol	97	36
Propargyl Bromide	50	10
2-Propenylamine	-20	-29
Propenyl Ethyl Ether	-20	-7
Propionaldehyde	-22	30
Propionic Nitrile	36	2

Substance	Flash Point	
	°F	°C
Propionyl Chloride	54	12
Propyl Acetate	55	13
Propyl Alcohol	74	23
Propylamine	35	-37
Propylbenzene	86	30
Normal-Propyl Butyrate	99	37
Propyl Carbinol	84	28
Propyl Chloride	0	-18
Propylenediamine	92	33
Propylene Dichloride	60	16
Propylene: Oxide	-35	-37
normal-Propyl Ether	70	21
Propyl Formate	27	-3
Propyl Mercaptan	-5	-21
Propyl Methanol	84	29
Propyl Nitrate	68	20
Propyltrichlorosilane	98	37
Prussic Acid	0	-18
Pyridine	68	10
Pyroxyline Solution	80	27
Pyrrolidine	37	3
Rum	62	17
Styrene	90	32
Sylvan	-21	-30
Tetrahydrofuran	6	-14
Tetrahydropyran	-40	-20
Tetrahydropyrrole	37	3
Tetramethylene Oxide	6	-14
2,2,3,3-Tetramethyl Pentane	70	21
2,2,3,4-Tetramethyl Pentane	70	21
Tetramethyl Tin	70	21
Thiophene	30	-1
Toluene	40	4
Toluol	40	4
Trichloroethylene	90	32
Trichlorosilane	7	-14
Triethylamine	20	-7
Triisopropyl Borate	82	28
Trimethylamine Aqueous Solution	20	-7
Trimethyl Borate	80	27
2,2,3-Trimethylbutane	32	0
1,3,3-Trimethyl-1-Butene	32	0
Trimethyl Carbinol	52	11
Trimethylchlorosilane	-18	-28

Substance	Flash Point	
	°F	°C
Trimethylenediamine	75	24
Trimethylethylene	20	-7
2,2,3-Trimethylbutane	32	0
2,3,3-Trimethyl-1-Butene	32	0
Trimethyl Carbinol	52	11
Trimethylchlorosilane	-18	28
Trimethylenediamine	75	24
Trimethylethylene	20	-7
2,2,5-Trimethylhexane	55	13
2,2,3-Trimethylpentane	70	21
2,2,4-Trimethylpentane	10	-12
2,3,3-Trimethylpentane	70	21
2,3,4-Trimethyl-1-pentene	70	21
2,4,4-Trimethyl-1-pentene	23	-5
2,4,4-Trimethyl-2-pentene	35	2
3,4,4-Trimethyl-2-pentene	70	21
Tripropylene	75	24
Turpentine	95	35
Unsymmetrical Dimethylhydrazine	5	-15
Valeraldehyde	54	12
Vinyl Acetate	18	-8
Vinylaceto -beta-Lactone	93	34
Vinyl Ally Ether	68	20
Vinylbenzene	90	32
Vinyl Butyl Ether	15	-9
Vinyl Butyrate	68	20
Vinyl 2-Chlorethyl Ether	80	27
Vinyl Crotonate	78	26
Vinyl Cyanide	32	0
4-Vinyl Cyclohexene	61	16
Vinyl Ether	-21	-30
Vinyl Ethyl Ether	-50	-46
Vinylidene Chloride	0	-18
Vinyl Isobutyl Ether	15	-9
Vinyl Isopropyl Ether	-26	-32
Vinyl 2-Methoxyethyl Ether	64	18
Vinyl Propionate	34	1
Vinyl Trichlorosilane	70	21
Whiskey	62	17
Wood Alcohol	52	11
meta-Xylene	81	27
ortho-Xylene	90	32
para-Xylene	81	27
ortho-Xylol	90	32