

	Chemical name	Synonym	CAS #	Formula	IP, ev	TWA	RF
24	Carbon disulfide		75-15-0	CS ₂	10.0 7	10	1.25
25	Chlorobenzene	Monochlorobenzene	108-90-7	C ₆ H ₅ Cl	9.06	10	0.49
26	Cumene	Isopropylbenzene	98-82-8	C ₉ H ₁₂	8.73	ne	0.54
27	Cyclohexane		110-82-7	C ₆ H ₁₂	9.86	50	1.44
28	Cyclohexanone		108-94-1	C ₆ H ₁₀ O	9.14	300	0.82
29	Cyclohexene		110-83-8	C ₆ H ₁₀	8.95	10	0.80
30	Decane		124-18-5	C ₁₀ H ₂₂	9.65	50	1.24
31	Diacetone alcohol	4-Methyl-4-hydroxy-2-pentanone	123-42-2	C ₆ H ₁₂ O ₂	9.65		0.73
32	Dibromoethane, 1,2-	EDB, Ethylene dibromide, Ethylene bromide	106-93-4	C ₂ H ₄ Br ₂	10.3 7	ne	2.03
33	Dichlorobenzene, o-	1,2-Dichlorobenzene	95-50-1	C ₆ H ₄ Cl ₂	9.08	25	0.50
34	Dichloroethene, t-1,2-	t-1,2-DCE, tris-Dichloroethylene	156-60-5	C ₂ H ₂ Cl ₂	9.65	200	0.45
35	Diesel Fuel		68334-30-5	m.w. 226		11	0.80
36	Diethylamine		109-89-7	C ₄ H ₁₁ N	8.01	5	0.89
37	Dimethoxymethane						1.51
38	Dimethylacetamide, N,N-	DMA	127-19-5	C ₄ H ₉ NO	8.81	10	0.66
39	Dimethylformamide, N,N-	DMF	68-12-2	C ₃ H ₇ NO	9.13	10	0.81
40	Dimethyl sulfoxide	DMSO, Methyl sulfoxide	67-68-5	C ₂ H ₆ OS	9.1	ne	1.40
41	Dioxane, 1,4-		123-91-1	C ₄ H ₈ O ₂	9.19	25	1.48
42	Epichlorohydrin	ECH Chloromethyloxirane, 1-chloro2,3-epoxypropane	106-89-8	C ₂ H ₅ ClO	10.2	0.5	7.70
43	Ethanol	Ethyl alcohol	64-17-5	C ₂ H ₆ O	10.4 7	1000	10.7 0
44	Ethene	Ethylene	74-85-1	C ₂ H ₄	10.5 1	ne	10.2 0
45	Ethyl acetate		141-78-6	C ₄ H ₈ O ₂	10.0 1	400	4.10
46	Ethylacetoacetate			C ₆ H ₁₀ O ₃			1.14
47	Ethylbenzene		100-41-4	C ₈ H ₁₀	8.77	100	0.53

	Chemical name	Synonym	CAS #	Formula	IP, ev	TWA	RF
48	Ethylene glycol	1,2-Ethanediol	107-21-1	C ₂ H ₆ O ₂	10.1 6	100	15.3 0
49	Ethylene oxide	Oxirane, Epocycethane	75-21-8	C ₂ H ₄ O	10.5 7	1	12.2 0
50	Ethyl ether	Diethyl ether	60-29-7	C ₄ H ₁₀ O	9.51	400	1.15
51	Heptane, n-		142-82-5	C ₇ H ₁₆	9.92	400	2.35
52	Hexane, n-		110-54-3	C ₆ H ₁₄	10.1 3	50	4.06
53	Hydrazine		302-01-2	H ₄ N ₂	8.1	0.01	2.60
54	Hydrogen sulfide		6/4/7783	H ₂ S	10.4 5	10	3.30
55	Iodine		7553-56-2	I ₂	9.4	C0.1	0.14
56	Isoamyl acetate	Isopentyl acetate	123-92-2	C ₇ H ₁₄ O ₂	<10	100	1.79
57	Isobutanol	2-Methyl-1propanol	78-83-1	C ₄ H ₁₀ O	10.0 2	50	4.99
58	Isobutene	Isobutylene, Methyl butene	115-11-7	C ₄ H ₈	9.24	ne	1.00
59	Isooctane	2,2,4- Trimethylpentane	540-84-1	C ₈ H ₁₈	9.86	ne	1.21
60	Isophorone		78-59-1	C ₉ H ₁₄ O	9.07	C5	0.74
61	Isopropanol	Isopropyl alcohol, 2- propanol	67-63-0	C ₃ H ₈ O	10.1 2	400	5.93
62	Isopropylamine						1.28
63	Isopropyl ether	Diisopropyl ether	108-20-3	C ₆ H ₁₄ O	9.2	250	0.84
64	Jet fuel JP-5 &JP-8	Jet 5, Kerosene type aviation fuel	8008-20-6	m.w. 167		15	1.06
65	Jet A fuel	Jet A-1, Kerosene type	8008-20-6	m.w. 165		15	1.06
66	Jet A1 fuel						1.06
67	Mesityloxyde						0.54
68	Methoxyethanol, 2-	Methyl cellosolve, Ethylene glycol monomethyl ether	109-86-4	C ₃ H ₈ O ₂	10.1	5	2.22
69	Methoxyethoxyethanol, 2-	2-(2-methoxyethoxy) ethanol Diethylene glycol monomethyl ether	111-77-3	C ₇ H ₁₆ O	<10	ne	2.42
70	1- Methoxy-2-propanol						1.85
71	Methyl acetate		79-20-9	C ₃ H ₆ O ₂	10.2 7	200	6.44

	Chemical name	Synonym	CAS #	Formula	IP, ev	TWA	RF
72	Methylacetoacetate						1.30
73	Methyl acrylate	Methyl 2-propenoate, acrylic acid methyl ester	96-33-3	C ₄ H ₆ O ₂	9.9	2	3.40
74	Methylamine	Aminomethane	74-89-5	CH ₅ N	8.97	5	1.64
75	Methylbenzoate						0.93
76	Methyl benzyl alcohol						7.12
77	Methyl bromide	Bromomethane	74-83-9	CH ₃ Br	10.5 4	1	1.98
78	Methyl t-butyl ether	MTBE, tert-Butyl methyl ether	1634-04-4	C ₅ H ₁₂ O	9.24	40	0.89
79	Methyl ethyl ketone	MEK, 2-Butanone	78-93-3	C ₄ H ₈ O	9.51	200	0.97
80	Methyl isobutyl ketone	MIBK, 4-Methyl-2- pentanone	108-10-1	C ₆ H ₁₂ O	9.3	50	1.14
81	Methyl mercaptan	Methanethiol	74-93-1	CH ₄ S	9.44	9.44	0.58
82	Methyl methacrylate		80-62-6	C ₅ H ₈ O ₂	9.7	9.7	1.57
83	Methyl propyl ketone	MPK, 2-Pentanone	107-87-9	C ₅ H ₁₂ O	9.38	9.38	0.87
84	Meth-2-pyrrolidone, N-	NMP, N- Methylpyrrolidone, 1-Methyl-2- pyrrolidinone, 1-Methyl 2- pyrrolidone	872-50-4	C ₅ H ₉ NO	9.17	ne	1.02
85	Naphthalene	Mothballs	91-20-3	C ₁₀ H ₈	8.13	10	0.40
86	Nitrobenzene		98-95-3	C ₆ H ₅ NO ₂	9.81	1	1.90
87	Octane, n-		111-65-9	C ₈ H ₁₈	9.82	300	2.10
88	Pentane		109-66-0	C ₅ H ₁₂	10.3 5	600	8.40
89	2-Pentanone						0.87
90	Phenol	Hydroxybenzene	108-95-2	C ₆ H ₆ O	8.51	5	1.10
91	phenylethylalcohol	Phenol Ethyl alcohol					9.04
92	Phosphine		7803-51-2	PH ₃	9.87	0.3	3.02
93	Picoline, 2-	2-Methylpyridine					0.72
94	Picoline, 3-	3-Methylpyridine	108-99-6	C ₆ H ₇ N	9.04	ne	0.92
95	Propanol, n-	Propyl alcohol	71-23-8	C ₃ H ₈ O	10.2 2	200	4.91
96	Propanol, 2-	Propyl alcohol		C ₃ H ₈ O			5.53
97	Propene	Propylene	115-07-1	C ₃ H ₆	9.73	ne	1.41
98	Propylene oxide	Methyloxirane	75-56-9	C ₃ H ₆ O	10.2 2	20	6.30

	Chemical name	Synonym	CAS #	Formula	IP, ev	TWA	RF
99	Pyridine		110-86-1	C ₅ H ₅ N	9.25	5	0.78
100	Quinoline						0.97
101	Styrene		100-42-5	C ₈ H ₈	8.43	20	0.47
102	Tetracholoethylene			C ₂ C ₁₄			0.60
103	Tetrahydrofuran	THF	109-99-9	C ₄ H ₈ O	9.41	200	1.53
104	Thiophene						0.41
105	Toluene	Methylbenzene	108-88-3	C ₇ H ₈	8.82	50	0.53
106	Trichloroethylene	TCE, Trichoroethylene	79-01-6	C ₂ HCl ₃	9.47	50	0.51
107	Trimethylbenzene, 1,2,3						0.49
108	Trimethylbenzene, 1,2,4		108-67-8			25	0.43
109	Trimethylbenzene, 1,3,5	1,3,5-(CH ₃) ₃ C ₅ H ₆					0.34
110	Turpentine	Pinenes (85%) + other diisoprenes	8006-64-2	C ₁₀ H ₁₆	8	100	0.50
111	Vinyl acetate		108-05-4	C ₄ H ₆ O ₂	9.19	10	1.17
112	Vinyl chloride	Chloroethylene, VCM	75-01-4	C ₂ H ₃ Cl	9.99	5	1.90
113	Vinyl Cyclohexone	VCH					1.40
114	Xylene, m-	1,3- Dimethylbenzene	108-38-3	C ₈ H ₁₀	8.56	100	0.45
115	Xylene, o-	1,2- Dimethylbenzene	95-47-6	C ₈ H ₁₀	8.56	100	0.54
116	Xylene, p-	1,4- Dimethylbenzene	106-42-3	C ₈ H ₁₀	8.44	100	0.47

Aug-2008