



ActiveCleanEnvironmental

Ionizability of Selected Chemical in Air Environments by HiGen[®]

	Chemical	Family	Formula	CAS #	Mol. Wt	IE.eV
						(a)
1	Acetaldehyde	Aldehyde	CH ₃ CHO	75-07-0	44.05	10.23
2	Acetic Acid	Acid	CH ₃ COOH	64-19-7	60.05	10.95
3	Acetone	Ketone	CH ₃ COCH ₃	67-64-1	58.08	9.70
4	Acetonitrile	Misc	C ₂ H ₃ N	75-05-8	41.05	12.20
5	Acetylene	Alkyne	C ₂ H ₂	74-86-2	26.04	11.40
6	Acrolein	Aldehyde	C ₃ H ₄ O	107-02-8	56.06	10.11
7	Acrylic Acid	Acid	C ₃ H ₄ O ₂	79-10-7	72.06	10.60
8	Allyl Chloride	Halogenated	C ₃ H ₅ Cl	107-05-1	76.52	10.05
9	Ammonia	Inorganic	NH ₃	7664-41-7	17.03	10.07
10	Amyl Acetate, n-	Ester	C ₇ H ₁₄ O ₂	628-63-7	130.18	
11	Amyl Alcohol, n-	Alcohol	C ₅ H ₁₂ O	71-41-0	88.15	10.00
12	Amyl Alcohol,sec-(2-Pentanol)	Alcohol	C ₅ H ₁₂ O	6032-29-7	88.15	9.78
13	Amyl Ether	Ether	C ₁₀ H ₂₂ O	693-65-2	158.28	
14	Aniline	Amine	C ₆ H ₇ N	62-53-3	93.13	7.72
15	Argon	Element	Ar	7440-37-1	39.95	15.76
16	Arsine	Inorganic	H ₃ As	7784-42-1	77.95	9.89
17	Arsine, Chlorodiphenyl	Misc	(C ₆ H ₅) ₂ AsCl			
18	Atomic Oxygen	Element	O	17778-80-2	16.00	13.62
19	Benzaldehyde	Aldehyde	C ₇ H ₆ O	100-52-7	100.12	9.15
20	Benzo[a]pyrene	Aromatic	C ₂₀ H ₁₂	50-32-8	252.31	7.50
21	Benzene	Aromatic	C ₆ H ₆	71-43-2	78.11	9.24
22	Benzyl Chloride	Halogenated	C ₇ H ₇ Cl	100-44-7	128.59	9.10
23	Bromine	Element	Br ₂	10097-32-2	159.81	11.81
24	Butadiene, 1,3-	Misc	C ₄ H ₆	106-99-0	54.11	9.07
25	Butane	Alkane	C ₄ H ₁₀	106-97-8	58.12	10.53
26	Butene, 2-	Alkene	C ₄ H ₈	107-01-7	56.11	9.13
27	Butyl Acetate, n-	Ester	C ₆ H ₁₂ O ₂	123-86-4	116.16	9.92
28	Butyl Alcohol, n-	Alcohol	C ₄ H ₁₀ O	71-36-3	74.12	9.99
29	Butyl Cellosolve (2-n-Butoxy-1-Ethanol)	Alcohol	C ₆ H ₁₄ O	111-76-2	118.17	
30	Butyl Chloride	Halogenated	C ₄ H ₉ Cl	109-69-3	92.57	10.64
31	Butyl Ether	Ether	C ₈ H ₁₈ O	142-96-1	130.23	9.28
32	Butyl Mercaptan	Mercaptan	C ₄ H ₁₀ S	109-75-5	90.19	9.14
33	Butyl Mercaptan, n-	Mercaptan	C ₄ H ₉ SH	109-75-5	90.19	9.14
34	Butylamine, n-	Amine	C ₄ H ₉ NH ₂	109-73-9	73.14	8.73
35	Butylene	Alkene	C ₄ H ₈	106-98-9	56.11	9.55
36	Butyraldehyde	Aldehyde	C ₄ H ₈ O	123-72-8	72.11	9.82
37	Butyric Acid, n-	Acid	C ₃ H ₇ COOH	107-92-6	88.11	10.17
38	Cadaverine(1,5-Diamino Pentane)	Amine	C ₅ H ₁₄ N ₂	462-94-2	102.18	

39	Camphene	Misc	C ₁₀ H ₁₆	79-92-5	136.20	<8.86
40	Caproic Acid	Acid	C ₅ H ₁₁ COOH	142-62-1	116.16	10.12
41	Caprylic Acid	Acid	C ₇ H ₁₅ COOH	124-07-2	144.21	
42	Carbon Dioxide	Inorganic	CO ₂	124-38-9	44.01	13.78
43	Carbon Disulfide	Sulfide	CS ₂	75-15-0	76.14	10.07
44	Carbon Monoxide	Inorganic	CO	630-08-0	28.01	14.01
45	Carbonyl Sulfide	Sulfide	COS	463-58-1	60.08	11.18
46	Cellosolve(2-Ethoxy Ethanol)	Alcohol	C ₄ H ₁₀ O ₂	110-80-5	90.12	9.60
47	Cellosolve Acetate(2-Ethoxy Ethano-Acetate)	Ester	C ₆ H ₁₂ O ₃	111-15-9	132.16	
48	Chlorine	Element	Cl ₂	7782-50-5	70.91	11.48
49	Chlorine Dioxide	Inorganic	ClO ₂	10049-04-4	67.45	10.33
50	Chlorobenzene	Halogenated	C ₆ H ₅ Cl	108-90-7	112.56	9.07
51	Chlorodifluoromethane (Halon FC 12-B)	Halogenated	CClBeF ₂	353-59-3	165.36	11.21
52	Chlorodifluoromethane (Freon22)	Halogenated	CHClF ₂	75-45-6	84.76	12.82
53	Chloroform	Halogenated	CHCl ₃	67-66-3	119.38	11.37
54	Chlorophenol, 2-	Halogenated	C ₆ H ₅ OCl	95-57-8	128.56	9.28
55	Chlorophenol, 3-	Halogenated	C ₆ H ₅ OCl	108-43-0	128.56	8.66
56	Chlorophenol, 4-	Halogenated	C ₆ H ₅ OCl	106-48-9	128.56	8.69
57	Chloropicrin	Halogenated	CCINO ₂	76-06-2	164.37	
58	Chloroprene	Halogenated	C ₃ H ₅ Cl	107-05-1	76.52	10.05
59	Chloroprene,(1,3-butadiene, 2-chloro,)	Halogenated	C ₄ H ₅ Cl	126-99-8	88.54	8.83
60	Cholesterol,(5-Cholesten-3β-ol)	Misc	C ₂₇ H ₄₆ O	57-88-5	386.65	
61	Coprostanol,(5β-Cholestan-3β-ol)	Misc	C ₂₇ H ₄₈ O	360-68-9	388.70	
62	Creosote	Misc				
63	Cresol	Phenol	HOC ₆ H ₄ CH ₃	108-39-4	108.41	8.29
64	Crotoaldehyde	Aldehyde	C ₄ H ₆ O	123-73-9	70.09	9.73
65	Cyanogen	Inorganic	C ₂ N ₂	460-19-5	52.03	13.37
66	Cyclohexane	Alkane	C ₆ H ₁₂	110-82-7	84.16	9.88
67	Cyclohexanol	Alcohol	C ₆ H ₁₂ O	108-93-0	100.16	10.00
68	Cyclohexanone	Ketone	C ₆ H ₁₀ O	108-94-1	98.14	9.16
69	Cyclohexene	Alkene	C ₆ H ₁₀	110-83-8	82.14	8.95
70	Cymene, p-	Aromatic	C ₁₀ H ₁₄	99-87-6	134.22	8.29
71	Decane	Alkane	C ₁₀ H ₂₂	124-18-5	142.28	9.65
72	Diacetyl	Ketone	C ₄ H ₆ O ₂	431-03-8	86.09	9.30
73	Dially Disulfide	Sulfide	C ₆ H ₁₀ S ₂	2179-57-9	146.08	
74	Dibromoethane	Halogenated	C ₂ H ₄ Br ₂	106-93-4	187.86	10.35
75	Dichoro-1,1,2,2-Tetrafluoroethane, 1,2-(Freon114)	Halogenated	C ₂ Cl ₂ F ₄	76-14-2	170.92	12.47
76	Dichlorobenzene, 1,2-	Halogenated	C ₆ H ₄ Cl	95-50-1	147.00	9.06
77	Dichlorobenzene, 1,3-	Halogenated	C ₆ H ₄ Cl	541-73-1	147.00	9.10
78	Dichlorobenzene, 1,4-	Halogenated	C ₆ H ₄ Cl	106-46-7	147.00	8.92
79	Dichlorodifluoromethane,(CFC-12)	Halogenated	CCl ₂ F ₂	75-71-8	120.91	12.00
80	Dichloroethane, 1,1-	Halogenated	CHCl ₂ CH ₃	75-34-3	98.96	11.04
81	Dichloroethane, 1,2-	Halogenated	C ₃ H ₆ Cl ₂	107-06-2	98.96	11.07
82	Dichloroethylene,(E) trans-1,2-	Halogenated	C ₂ H ₂ Cl	156-60-5	96.94	9.64
83	Dichloroethylene,(Z) cis-1,2-	Halogenated	C ₂ H ₂ Cl	156-59-2	96.94	9.66
84	Dichlorophenol	Halogenated	C ₆ H ₄ Cl ₂ O	120-83-2	163.00	
85	Dichloropropane	Halogenated	C ₃ H ₆ Cl ₂	78-87-5	122.99	10.80
86	Diethylamine	Amine	(C ₂ H ₅) ₂ NH	109-89-7	73.14	7.90
87	Diisopropylmethyl, phosphonate (DIMP)	Ester	C ₆ H ₇ O ₃ P	1445-75-6	180.18	
88	Dimethyl Aniline	Amine	C ₈ H ₁₁ N	121-69-7	121.18	7.12
89	Dimethyl Sulfate	Sulfur	C ₂ H ₆ O ₄ S	77-78-1	126.13	
90	Dimethylacetamide	Misc	C ₄ H ₉ NO	127-19-5	87.12	9.20
91	Dimethylamine	Amine	(CH ₃) ₂ NH	124-40-3	45.08	8.24
92	Dimethyldisulfide	Sulfur	C ₂ H ₆ S ₂	624-92-0	94.20	7.40

93	Dimethylhydrazine, 1,1-	Misc	C ₂ H ₈ N ₂	57-14-7	60.10	7.29
94	Dimethylmethyl, phosphonate (DMMP)	Ester	C ₃ H ₉ O ₃ P	756-79-6	124.08	10.00
95	Dimethylsulfide	Sulfide	(CH ₃) ₂ S	75-18-3	62.14	8.69
96	Dimethylsulfoxide	Sulfur	C ₂ H ₆ OS	67-68-5	78.13	9.10
97	Dioxane, 1,4-	Misc	C ₄ H ₈ O ₂	123-91-1	88.11	9.19
98	Ethane	Alkane	C ₂ H ₆	74-84-0	30.07	11.52
99	Ethyl Acetate	Ester	C ₄ H ₈ O ₂	141-78-6	88.11	10.01
100	Ethyl Acrylate	Ester	C ₅ H ₈ O ₂	140-88-5	100.12	10.30
101	Ethyl Alcohol	Alcohol	C ₂ H ₅ OH	64-17-5	46.07	10.48
102	Ethyl Benzene	Aromatic	C ₈ H ₁₀	100-41-4	106.17	8.77
103	Ethyl Bromide	Halogenated	C ₂ H ₅ Br	74-96-4	108.97	10.29
104	Ethyl Chloride	Halogenated	C ₂ H ₅ Cl	75-00-3	64.51	10.98
105	Ethyl Ether	Ether	C ₄ H ₁₀ O	60-29-7	74.12	9.51
106	Ethyl Ether,Di-(2-Ethoxyethane)	Alcohol	C ₄ H ₁₀ O	60-29-7	74.12	9.51
107	Ethyl Formate	Ester	C ₃ H ₆ O ₂	109-94-4	74.08	10.61
108	Ethyl Mercaptan	Mercaptan	C ₂ H ₆ S	75-08-1	62.14	9.31
109	Ethyl Silicate	Misc	C ₈ H ₂₀ O ₄ Si	78-10-4	208.33	9.77
110	Ethylamine	Amine	C ₂ H ₇ N	75-04-7	45.08	8.90
111	Ethylene	Alkene	C ₂ H ₄	74-85-1	28.05	10.51
112	Ethylene Oxide	Misc	C ₂ H ₄ O	75-21-8	44.05	10.56
113	Eucalyptol (Limonene Oxide)	Misc	C ₁₀ H ₁₈ O	470-82-6	154.25	
114	Fluorine	Element	F ₂	7782-41-4	38.00	15.70
115	Fluorine Atom	Atom	F	14762-94-8	19.00	17.42
116	Formaldehyde	Aldehyde	CH ₂ O	50-00-0	30.03	10.88
117	Formic Acid	Acid	HCOOH	64-18-6	46.03	11.33
118	Furan		C ₄ H ₄ O	110-00-9	68.07	8.88
119	Geosmin		C ₁₂ H ₂₂ O	19700-21-1	182.00	
120	Helium	Element	He	7440-59-7	4.00	24.59
121	Heptane, n-	Alkane	C ₇ H ₁₆	142-82-5	100.20	9.93
122	Heptanone, 2-	Ketone	C ₇ H ₁₄ O	110-43-0	114.19	9.27
123	Heptanone, 4-(Dipropylketon)	Ketone	C ₇ H ₁₄ O	123-19-3	114.19	9.10
124	Hexachlorobenzene	Halogenated	C ₆ Cl ₆	118-74-1	274.78	9.00
125	HexaChloroethane	Halogenated	C ₂ Cl ₆	67-72-1	236.74	11.10
126	HexaFluoroethane	Halogenated	C ₂ F ₆	76-16-4	138.01	13.60
127	Hexanal	Aldehyde	C ₆ H ₁₂ O	66-25-1	100.16	9.72
128	Hexane, n-	Alkane	C ₆ H ₁₄	110-54-3	86.18	10.13
129	Hexanone, 2-(Methyl Butyl Ketone)	Ketone	C ₆ H ₁₂ O	591-78-6	100.16	9.35
130	Hexene, 1-	Alkene	C ₆ H ₁₂	592-41-6	84.16	9.44
131	Hydrazine	Inorganic	N ₂ H ₄	302-01-2	32.05	8.10
132	Hydragen	Element	H ₂	1333-74-0	2.02	15.43
133	Hydragen Bromide	Inorganic	HBr	10035-10-6	80.91	11.68
134	Hydragen Chloride	Inorganic	HCl	7647-01-0	36.46	12.74
135	Hydragen Cyanide	Inorganic	HCN	74-90-8	27.03	13.60
136	Hydragen Fluride	Inorganic	HF	7664-39-3	20.01	16.03
137	Hydragen Iodide	Inorganic	HI	10034-85-2	127.91	10.39
138	Hydragen Peroxide		H ₂ O ₂	7722-84-1	34.01	10.58
139	HydragenSelenide	Inorganic	H ₂ Se	7783-07-5	80.98	9.89
140	Hydragen Sulfide	Sulfide	H ₂ S	7783-06-4	34.08	10.46
141	Hydroxylamine	Amine	H ₃ NO	7803-49-8	33.03	10.00
142	Hydroxyl Radical	Radical	HO	3352-57-6	17.01	13.02
143	Indole	Alkaloid	C ₈ H ₇ N	120-72-9	117.15	7.76
144	Iodoform	Halogenated	CHI ₃	75-47-8	393.73	9.23
145	Isobutyl alcohol	Alcohol	C ₄ H ₁₀ O	78-83-1	74.12	10.02
146	Isoprene (1,3butadiene, 2-Methyl)	Misc	C ₅ H ₈	78-79-5	68.12	8.86

147	Isopropanol	Alcohol	C ₃ H ₇ OH	67-63-0	60.10	10.17
148	Isopropyl Acetate, Di-	Ester	C ₅ H ₁₀ O ₂	108-21-4	102.13	9.99
149	Isopropyl Ether	Ether	C ₈ H ₁₂ N ₂ O	108-20-3	102.17	9.20
150	Isopropyl-3-Methoxy -Pyrazine, 2-(IPMP)		C ₈ H ₁₂ N ₂ O	25773-40-4	152.20	
151	Isovaleric acid	Acid	C ₄ H ₉ COOH	503-74-2	102.13	10.51
152	Krypton	Element	Kr	7439-90-9	80.83	14.00
153	Lactic Acid	Acid	C ₆ H ₃ O ₃	598-82-3	90.08	
154	Limonene(1-Pentene)	Misc	C ₁₀ H ₁₆	138-86-3	136.23	8.30
155	Mercury(vapor)	Element	Hg	7439-97-6	200.59	10.44
156	Methane	Alkane	CH ₄	74-82-8	16.04	12.61
157	Methyl Acetate	Ester	C ₃ H ₆ O ₂	79-20-9	74.08	10.25
158	Methyl Acrylate	Ester	C ₄ H ₆ O ₂	96-33-3	86.09	9.90
159	Methyl Alcohol	Alcohol	CH ₄ O	67-56-1	32.04	10.84
160	Methyl Amine	Amine	CH ₃ N	74-89-5	31.06	8.90
161	Methyl Bromide	Halogenated	CH ₃ Br	74-83-9	94.94	10.54
162	Methyl-1-Butanol,3-	Alcohol	C ₃ H ₁₂ O	123-51-3	88.15	
163	Methyl-2-Butanol,3-	Alcohol	C ₃ H ₁₂ O	598-75-4	88.15	9.75
164	Methyl Cellosolve Acetate (2-Methoxy Ethanol Acetate)	Ester	C ₅ H ₁₀ O ₃	110-49-6	118.13	
165	Methyl Cellosolve, n-(2-Methoxy Ethanol)	Alcohol	C ₃ H ₈ O ₂	109-86-4	76.09	10.13
166	Methyl Chloride	Halogenated	CH ₃ Cl	74-87-3	50.49	11.26
167	Methyl Cyanide	Misc	C ₂ H ₃ N	75-05-8	41.05	12.20
168	Methyl-t-Butyl Ether (MTBE)	Ether	C ₅ H ₁₂ O	1634-04-4	88.15	9.24
169	Methyl Ether, Di-	Ether	C ₂ H ₆ O	115-10-6	46.07	10.03
170	Methyl Ethyl Ketone(2-Butanone)	Ketone	C ₃ H ₈ O	78-93-3	72.11	9.52
171	Methyl Ethyl Ketone Oxime		C ₄ H ₉ NO	96-29-7	87.12	
172	Methyl Formate	Ester	C ₂ H ₄ O ₂	107-31-3	60.05	10.84
173	Methylfuran, 2-		C ₅ H ₆ O	523-22-5	82.10	8.38
174	Methylfuran, 3-		C ₅ H ₆ O	930-27-8	82.10	8.64
175	Methyl Iodide	Halogenated	CH ₃ I	74-88-4	141.94	9.54
176	Methylisoborneol, 2-(MIB)		C ₁₁ H ₂₀ O	2371-42-8	168.00	
177	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	Ketone	C ₆ H ₁₂ O	108-10-1	100.16	9.30
178	Methyl Mercaptan	Mercaptan	CH ₃ SH	74-93-1	48.11	9.44
179	Methyl Methacrylate	Ester	C ₅ H ₈ O ₂	80-62-6	100.12	9.70
180	Methyl-1-Propanol, 2-	Alcohol	C ₄ H ₁₀ O	78-83-1	74.12	10.02
181	Methyl Pyrrolidine, 1-	Misc	C ₅ H ₁₁ N	120-94-5	85.15	8.41
182	Methylamine	Amine	CH ₃ NH ₂	74-89-5	31.06	8.90
183	Methylene Chloride	Halogenated	CH ₂ Cl ₂	75-09-2	84.93	11.33
184	Naphtha	Misc			110.00	
185	Naphthalene	Aromatic	C ₁₀ H ₈	91-20-3	128.17	8.14
186	Neon	Element	Ne	7740-01-9	20.18	21.56
187	Nerve Agent GA (Tabun)	Misc		77-81-6		
188	Nerve Agent GB (Sarin)	Misc		107-44-8		
189	Nerve Agent GD (Soman)	Misc		96-64-0		
190	Nerve Agent VX (VX)	Misc		50781-69-9		
191	Nicotine (3-(2-(N-Methylpyrrolidinyl)) pridine	Alkaloid	C ₁₀ H ₁₄ N ₂	54-11-5	162.23	
192	Nicotinic Acid	Misc	C ₅ H ₄ NCOOH	59-67-6	123.11	9.38
193	Nitric Acid	Inorganic	HNO ₃	7697-37-2	63.01	11.95
194	Nitric Oxide	Inorganic	NO	10102-43-9	30.01	9.26
195	Nitrobenzene	Nitro	C ₆ H ₄ NO ₂	98-95-3	123.11	9.94
196	Nitroethane	Nitro	C ₂ H ₅ NO ₂	79-24-3	75.07	10.90
197	Nitrogen	Element	N ₂	7727-37-9	28.01	15.58
198	Nitrogen Atom	Atom	N	17778-88-0	14.01	14.53
199	Nitrogen Dioxide	Inorganic	NO ₂	10102-44-0	46.01	9.59

200	Nitrogen Trifluoride	Inorganic	NF ₃	7783-54-2	71.00	12.94
201	Nitromethane	Nitro	CH ₃ NO ₂	75-52-5	61.04	11.07
202	Nitropropane	Nitro	C ₃ H ₇ NO ₂	108-03-2	89.09	10.78
203	Nitrosodimethylamine, n-	Amine	C ₂ H ₆ N ₂ O	62-75-9	74.08	8.69
204	Nitrotoluene (Benzene,1-methyl-4-nitro-)	Nitro	C ₇ H ₇ NO ₂	99-99-0	137.14	9.46
205	Nitrous Oxide	Inorganic	N ₂ O	10024-97-2	44.01	12.89
206	Nonane	Alkane	C ₉ H ₂₀	111-84-2	128.26	9.71
207	Octane	Alkane	C ₈ H ₁₈	111-65-9	114.23	9.80
208	Oxygen	Element	O ₂	7782-44-7	32.00	12.07
209	Oxygen anion radical	Ion	O ₂ ⁻	11062-77-4	32.00	
210	Oxygen cation radical	Ion	O ₂ ⁺	12185-07-8	32.00	
211	Ozone	Inorganic	O ₃	10028-15-6	48.00	12.53
212	Pentacene	Aromatic	C ₂₂ H ₁₄	135-48-8	278.35	6.63
213	Pentachloroethane	Halogenated	C ₂ HCl ₅	76-01-7	202.29	11.00
214	Pentane, i-	Alkane	C ₅ H ₁₂	78-78-4	72.15	10.32
215	Pentane, n-	Alkane	C ₅ H ₁₂	109-66-0	72.15	10.28
216	Pentanone, 2-	Ketone	C ₄ H ₇ O	107-87-9	86.13	9.38
217	Pentanone,3-(Diethylketone)	Ketone	C ₅ H ₁₀ O	96-22-0	86.13	9.31
218	Perylene	Aromatic	C ₂₀ H ₁₂	198-55-0	252.31	6.69
219	Phenanthrene	Aromatic	C ₁₄ H ₁₀	85-01-8	178.23	7.89
220	Phenol	Phenol	C ₆ H ₅ OH	108-95-2	94.11	8.49
221	Phenoxyethanol, 2-		C ₈ H ₁₀ O ₂	122-99-6	138.16	
222	Phosgene	Inorganic	COCl ₂	75-44-5	98.92	11.20
223	Phosphonofluoridic Acid	Misc				
224	Pinene, α-	Misc	C ₈ H ₁₆	80-56-8	136.23	8.07
225	Propane	Alkane	C ₃ H ₈	74-98-6	44.10	10.94
226	Propionaldehyde (Propanol)	Aldehyde	C ₃ H ₆ O	123-38-6	58.08	9.96
227	Propionic Acid	Acid	C ₃ H ₆ O ₂	79-09-4	74.08	10.44
228	Propyl acetate, n-	Ester		109-60-4	102.13	10.04
229	Propyl Benzene, n-	Aromatic	C ₉ H ₁₂	103-65-1	120.19	8.71
230	Propyl Chloride (1-Chloropropane)	Halogenated	C ₃ H ₇ Cl	540-54-5	78.54	10.80
231	Propyl Ether, Di-n-	Ether	C ₆ H ₁₄ O	111-43-3	102.17	9.30
232	Propyl Mercaptan, n-	Mercaptan	C ₃ H ₈ S	107-03-9	76.16	9.20
233	Propylene	Alkene	C ₃ H ₆	115-07-1	42.08	9.73
234	Putrescine(1,4-Butanediamine)	Amine	C ₄ H ₁₂ N ₂	110-60-1	88.15	
235	Pyridine	Misc	C ₅ H ₅ N	110-86-1	79.10	9.26
236	Silicon Hexafluoride	Inorganic	F ₆ Si	2551-62-4	146.06	15.32
237	Silicon Tetrafluoride	Inorganic	F ₄ Si	7783-61-1	104.08	15.24
238	Skatole	Alkaloid	C ₉ H ₉ N	83-34-1	131.17	7.51
239	Styrene	Aromatic	C ₈ H ₈	100-42-5	104.15	8.46
240	Sulfur Dioxide	Inorganic	O ₂ S	7446-09-5	64.06	12.35
241	Sulfur Hexafluoride	Inorganic	F ₆ S	2551-62-4	146.06	15.32
242	Sulfur Trioxide	Inorganic	O ₃ S	7446-11-9	80.06	12.80
243	Sulfuric Acid	Inorganic	H ₂ O ₄ S	7664-93-9	98.08	12.40
244	Terpentine	Misc	C ₁₀ H ₁₆		136.00	
245	Terpinel, 1-□-		C ₁₀ H ₁₈ O	98-55-5	154.25	
246	Tetrachloroethylene	Halogenated	C ₂ Cl ₄	127-18-4	165.83	9.33
247	Tetrachloroethane	Halogenated	C ₂ H ₂ Cl ₄	79-34-5	167.85	11.62 이하
248	Tetrachloromethane (Carbon Tetrachloride)	Halogenated	CCl ₄	56-23-5	153.82	11.47
249	Tetrafluoroethane,1,2,2,2-(R134a)	Halogenated	C ₂ H ₂ F ₄	811-97-2	102.03	
250	Tetrafluoromethane	Halogenated	CF ₄	75-73-0	88.00	14.7 이하

251	Tetrahydrofuran		C ₄ H ₈ O	109-99-9	72.10	9.40
252	Toluene	Aromatic	C ₇ H ₈	108-88-3	92.04	8.83
253	Trichlorobenzene, 1,2,4-	Halogenated	C ₆ H ₃ Cl ₃	120-82-1	181.45	9.04
254	Trichloro-1,2,2-trifluoroethane, 1,1,2-(CFC-113)	Halogenated	C ₂ Cl ₃ F ₃	76-13-1	187.37	11.99
255	Trichloroethane, 1,1,1-	Halogenated	C ₂ H ₃ Cl ₃	71-55-6	133.40	11.00
256	Trichloroethane, 1,1,2-	Halogenated	C ₂ H ₃ Cl ₃	79-00-5	133.40	11.00
257	Trichloroethylene	Halogenated	C ₂ HCl ₃	79-01-6	131.39	9.46
258	Trichlorofluoromethane (Freon11)	Halogenated	CCl ₃ F	75-69-4	137.11	11.68
259	Triethylamine	Amine	(C ₂ H ₅) ₃ N	121-44-8	101.19	7.53
260	Trimethylamine	Amine	(CH ₃) ₃ N	75-50-3	59.11	7.85
261	Trimethylbenzene, 1,2,3-	Aromatic	C ₉ H ₁₂	526-73-8	120.19	8.42
262	Trimethylbenzene 1,2,4-	Aromatic	C ₉ H ₁₂	95-63-6	120.19	8.27
263	Trimethylbenzene 1,3,5-(Mesitylene)	Aromatic	C ₉ H ₁₂	108-67-3	120.19	8.40
264	Trimethylstibine	Misc	Sb(CH ₃) ₃	594-10-5	166.86	7.70
265	Undecane, n-	Alkane	C ₁₁ H ₂₄	1120-21-4	156.31	9.56
266	Urea	Misc	CH ₄ N ₂ O	57-13-6	60.06	9.70
267	Uric Acid	Misc	C ₅ H ₄ N ₄ O ₃	69-93-2	168.11	8.15
268	Valeric Acid	Acid	C ₅ H ₁₀ O ₂	109-52-4	102.13	10.53
269	Vinyl Chloride	Halogenated	CH ₂ CHCl	75-01-4	62.50	9.99
270	Water	Inorganic	H ₂ O	7732-18-5	18.02	12.62
271	Xenon	Element	Xe	7440-63-3	131.29	12.13
272	Xylene, m-	Aromatic	C ₈ H ₁₀	108-38-3	106.17	8.55
273	Xylene, o-	Aromatic	C ₈ H ₁₀	95-47-6	106.17	8.56
274	Xylene, p-	Aromatic	C ₈ H ₁₀	106-42-3	106.17	8.44