Appendix A
Halogenated Solvents List

Appendix A Halogenated Solvent List (Alpha Sort)			
Solvent	**Synonym**	**CAS No.**	**Specific Density (g/cc)**
Benzyl chloride	Chloromethylbenzene	100-44-7	1.100
Bis(2-chloroethyl)ether	Bis(-chloroehtyl)ether	111-44-4	1.220
Bis(2-chloroisopropyl)ether	Bis(-chloroisopropyl)ether	108-60-1	1.103
Bromobenzene	Phenyl bromide	108-86-1	1.495
Bromochloromehtane	Chlorobromomethane	74-97-5	1.934
Bromodichloromethane	Dichlorobromomethane	75-27-4	1.980
Bromoethane	Ethyl bromide	74-96-4	1.460
Bromoform	Tribromomethane	75-25-2	2.890
Carbon tetrachloride	Tetrachloromethane	56-23-5	1.594
Chlorobenzene	Benzene chloride	108-90-7	1.106
2-Chloroethyl vinyl ether	(2-Chlorethoxy)ethene	110-75-8	1.048
Chloroform	Trichloromethane	67-66-3	1.483
1-Chloro-1-nitropropane	Chloronitropropane	600-25-9	1.209
2-Chlorophenol	o-Chlorophenol	95-57-8	1.263
4-Chlorophenyl phenyl ether	p-Chlorodiphenyl ether	7005-72-3	1.203
Chloropicrin	Trichloronitromethane	76-06-2	1.656
m-Chlorotoluene		108-41-8	1.072
o-Chlorotoluene	2-Chloro-1-methylbenzene	95-45-8	1.082
p-Chlorotoluene		106-43-4	1.066
Dibromochloromethane	Chlorodibromomethane	124-48-1	2.451
1,2-Dibromo-3-chlorpropane	DPCP	96-12-8	2.050
Dibromodifluoromethane	Freon 12-B2	75-61-6	2.297
1,2-Dichlorobenzene	o-Dichlorobenzene	95-50-1	1.305
1,3-Dichlorobenzene	m-Dichlorobenzene	541-73-1	1.288
1,1-Dichloroethane	1,1-DCA	75-34-3	1.176
1,2-Dichloroethane	Ethylene dichloride; 1,2-DCA	107-06-2	1.235
1,1-Dichloroethene	Vinylidene chloride; 1,1-DCE	75-35-4	1.218
trans-1,2-Dichloroethene	trans-1.2-DCE:	156-60-5	1.257
1,2-Dichloropropane	Propylene dichloride	78-87-5	1.560
cis-1,3-Dichloropropene	cis-1,3-Dichloropropylene	10061-01-5	1.224
trans-1.3-Dichloropropene	trans-1,3-Dichlonopropylene	10061-02-0	1.182
Ethylene dibromide	1,2-Dibromoethane; EDB	106-93-4	2.179
Hexachlorobutadiene	HCBD	87-68-3	1.554
Hexachlorocyclopentadiene	HCCPD	77-47-4	1.702
Methylene chloride	Dichloromethane	75-09-2	1.327
Pentachloroethane	Ethane pentachloride	76-01-7	1.680
1,1,2,2-Tetrabromoethane	Acetylene tetrabromide	79-27-6	2.875
1.1,2,2-Tetrachloroethane	Acetylene tetrachloride	79-34-5	1.595
Tetrachloroethene	Perchlororethylene; PCE	127-18-4	1.623
1,2,4-Tetrachlorobenzene	1,2,4-TCB	120-82-1	1.454
1,1,1-Trichloroethane	Methyl chloroform; 1,1,1-TCA	71-55-6	1.339
1,1,2-Trichloroethane	1,1,2-TCA	79-00-5	1.440
Trichloroethene	TCE	79-01-6	1.464
1,1,2-Trichlorofluoromethane	Freon 11	75-69-4	1.487
1,2,3-Trichloropropane	Allyl trichloride	96-18-4	1.389
1,1,2-Trichlorotrifluoroethane	Freon 113	76-13-1	1.564

Appendix A Halogenated Solvent List (Chemical Abstracts Registry Service, CAS Sort)			
Solvent	**Synonym**	**CAS No.**	**Specific Density (g/cc)**
Carbon tetrachloride	Tetrachloromethane	56-23-5	1.594
Chloroform	Trichloromethane	67-66-3	1.483
1,1,1-Trichloroethane	Methyl chloroform; 1,1,1-TCA	71-55-6	1.339
Bromoethane	Ethyl bromide	74-96-4	1.460
Bromochloromehtane	Chlorobromomethane	74-97-5	1.934
Methylene chloride	Dichloromethane	75-09-2	1.327
Bromodichloromethane	Dichlorobromomethane	75-27-4	1.980
Bromoform	Tribromomethane	75-25-2	2.890
1,1-Dichloroethane	1,1-DCA	75-34-3	1.176
1,1-Dichloroethene	Vinylidene chloride; 1,1-DCE	75-35-4	1.218
Dibromodifluoromethane	Freon 12-B2	75-61-6	2.297
1,1,2-Trichlorofluoromethane	Freon 11	75-69-4	1.487
Pentachloroethane	Ethane pentachloride	76-01-7	1.680
Chloropicrin	Trichloronitromethane	76-06-2	1.656
1,1,2-Trichlorotrifluoroethane	Freon 113	76-13-1	1.564
Hexachlorocyclopentadiene	HCCPD	77-47-4	1.702
1,2-Dichloropropane	Propylene dichloride	78-87-5	1.560
1,1,2-Trichloroethane	1,1,2-TCA	79-00-5	1.440
Trichloroethene	TCE	79-01-6	1.464
1,1,2,2-Tetrabromoethane	Acetylene tetrabromide	79-27-6	2.875
1.1,2,2-Tetrachloroethane	Acetylene tetrachloride	79-34-5	1.595
Hexachlorobutadiene	HCBD	87-68-3	1.554
o-Chlorotoluene	2-Chloro-1-methylbenzene	95-45-8	1.082
1,2-Dichlorobenzene	o-Dichlorobenzene	95-50-1	1.305
2-Chlorophenol	o-Chlorophenol	95-57-8	1.263
1,2-Dibromo-3-chlorpropane	DPCP	96-12-8	2.050
1,2,3-Trichloropropane	Allyl trichloride	96-18-4	1.389
Benzyl chloride	Chloromethylbenzene	100-44-7	1.100
p-Chlorotoluene		106-43-4	1.066
Ethylene dibromide	1,2-Dibromoethane; EDB	106-93-4	2.179
1,2-Dichloroethane	Ethylene dichloride; 1,2-DCA	107-06-2	1.235
m-Chlorotoluene		108-41-8	1.072
Bis(2-chloroisopropyl)ether	Bis(-chloroisopropyl)ether	108-60-1	1.103
Bromobenzene	Phenyl bromide	108-86-1	1.495
Chlorobenzene	Benzene chloride	108-90-7	1.106
2-Chloroethyl vinyl ether	(2-Chlorethoxy)ethene	110-75-8	1.048
Bis(2-chloroethyl)ether	Bis(-chloroehtyl)ether	111-44-4	1.220
1,2,4-Tetrachlorobenzene	1,2,4-TCB	120-82-1	1.454
Dibromochloromethane	Chlorodibromomethane	124-48-1	2.451
Tetrachloroethene	Perchlororethylene; PCE	127-18-4	1.623
trans-1,2-Dichloroethene	trans-1.2-DCE:	156-60-5	1.257
1,3-Dichlorobenzene	m-Dichlorobenzene	541-73-1	1.288
1-Chloro-1-nitropropane	Chloronitropropane	600-25-9	1.209
4-Chlorophenyl phenyl ether	p-Chlorodiphenyl ether	7005-72-3	1.203
cis-1,3-Dichloropropene	cis-1,3-Dichloropropylene	10061-01-5	1.224
trans-1.3-Dichloropropene	trans-1,3-Dichlonopropylene	10061-02-0	1.182

Appendix B
List of Carcinogenic Materials

APPENDIX H: CAS REGISTRY NUMBER INDEX

In the CAS Registry Number (CASRN) index are listed the chemical names and Chemical Abstracts Service (CAS) Registry Numbers of all entries in the *Ninth Report on Carcinogens*. The CASRN is simply a unique identification number for a specific chemical substance (like personal identification by the Social Security Number). The CAS Registry System publishes a Registry Handbook (updated yearly) that contains the names and CASRNs of all chemical substances that have been reported since 1965. The Registry Handbook also has a Common Name Index that links about 600,000 common names to 370,000 CAS numbers, and is composed of 2 sections: Name and Number. The Name Section links common substance names (arranged alphabetically) to their corresponding CAS numbers and molecular formulae. The Number Section links the CAS number (arranged numerically) to the molecular formula, Chemical Abstracts index name, and the common name.

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
	Alcoholic Beverage Consumption	**K**	**9**	**2**
	Analgesic Mixtures Containing Phenacetin	K	4	4
	Aroclor (under Polychlorinated Biphenyls)	R	2	186
	Arsenic Compounds, Inorganic	K	1	4
	Ceramic Fibers	R	7	83
	Chromium Hexavalent Compounds	K	1	22
	Coke Oven Emissions	K	1	24
	Diesel Exhaust Particulates	**R**	**9**	**110**
	Dyes that Metabolize to Benzidine	**K**	**9**	**29**
	Environmental Tobacco Smoke	**K**	**9**	**33**
	FireMaster BP-6 (See Polybrominated Biphenyls)	R	3	185
	Glasswool	R	7	134
	Mineral Oils	K	1	54
	Nickel and Certain Nickel Compounds	R	1	155
	PAHs (See Polycyclic Aromatic Hydrocarbons)	R	5	187
	PBBs	R	3	185
	Polybrominated Biphenyls (PBBs)	R	3	185
	Polycyclic Aromatic Hydrocarbons (PAHs)	R	5	187
	Smokeless Tobacco	**K**	**9**	**46**
	Solar Radiation and Exposure to Sunlamps and Sunbeds	**K**	**9**	**48**

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
	Soots	K	1	50
	Strong Inorganic Acid Mists Containing Sulfuric Acid	**K**	**9**	**51**
	Tars	K	1	54
	Tobacco Smoking	**K**	**9**	**60**
50-00-0	Formaldehyde (gas)	R	2	131
50-18-0	Cyclophosphamide	K	1	26
50-28-2	Estradiol-17β (under Estrogens [Not Conjugated])	R	4	126
50-29-3	DDT (Dichlorodiphenyltrichloroethane)	R	4	97
50-29-3	Dichlorodiphenyltrichloroethane (See DDT)	R	4	97
50-29-3	1,1,1-Trichloro-2,2-bis(*p*-chloraphenyl)ethane (See DDT)	R	4	97
50-32-8	Benzo[*a*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
50-55-5	Reserpine	R	2	195
51-52-5	Propylthiouracil	R	4	195
51-79-6	Ethyl Carbamate (See Urethane)	R	3	214
51-79-6	Urethane (Urethan; Ethyl carbamate)	R	3	214
52-24-4	Thiotepa [in 7th ARC as tris(1-Aziridinyl)phosphine Sulfide]	K	2[c] 8[d]	58
52-24-4	tris(1-Aziridinyl)phosphine Sulfide (Thiotepa)	K	2[c] 8[d]	58
53-16-7	Estrone (under Estrogens [Not Conjugated])	R	4	127
53-70-3	Dibenz[*a,h*]anthracene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
53-96-3	2-Acetylaminofluorene	R	2	166
55-18-5	DEN (See *N*-Nitrosodiethylamine)	R	2	167
55-18-5	Diethylnitrosamine (See *N*-Nitrosodiethylamine)	R	2	167
55-18-5	*N*-Nitrosodiethylamine (Diethylnitrosamine; DEN)	R	2	167
55-86-7	Nitrogen Mustard Hydrochloride	R	4	163
55-98-1	Busulfan (See 1,4-Butanediol Dimethylsulfonate)	K	4	17
55-98-1	1,4-Butanediol Dimethylsulfonate (Myleran®; Busulfan)	K	4	17
55-98-1	Myleran® (See 1,4-Butanediol Dimethylsulfonate)	K	4	17
56-23-5	Carbon Tetrachloride	R	2	82
56-53-1	Diethylstilbestrol	K	1	28
56-55-3	Benz[*a*]anthracene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
57-14-7	1,1-Dimethylhydrazine (UDMH)	R	4	120

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
57-14-7	UDMH (See 1,1-Dimethylhydrazine)	R	4	120
57-41-0	Phenytoin	R	1	184
57-57-8	β-Propiolactone	R	2	192
57-63-6	Ethinylestradiol (under Estrogens [Not Conjugated])	R	4	128
57-83-0	Progesterone	R	4	91
58-89-9	γ-Hexachlorocyclohexane (under Lindane and Other Hexachlorocyclohexane Isomers)	R	2	146
58-89-9	Lindane (under Lindane and Other Hexachlorocyclohexane Isomers)	R	2	146
59-89-2	*N*-Nitrosomorpholine	R	2	174
60-11-7	4-Dimethylaminoazobenzene	R	2	117
61-82-5	Amitrole	R	2	73
62-44-2	Phenacetin (See also Analgesic Mixtures Containing Phenacetin, p.10)	R	1	180
62-50-0	Ethyl Methanesulfonate	R	6	130
62-55-5	Thioacetamide	R	3	204
62-56-6	Thiourea	R	3	204
62-75-9	Dimethylnitrosamine (See *N*-Nitrosodimethylamine)	R	2	168
62-75-9	DMN (See *N*-Nitrosodimethylamine)	R	2	168
62-75-9	*N*-Nitrosodimethylamine (Dimethylnitrosamine; DMN)	R	2	168
63-92-3	Phenoxybenzamine Hydrochloride	R	5	183
64-67-5	Diethyl Sulfate	R	4	115
66-27-3	Methyl Methanesulfonate	R	6	151
67-66-3	Chloroform	R	2	86
67-72-1	Hexachloroethane	R	7	138
68-22-4	Norethisterone	R	4	177
70-25-7	*N*-Methyl-*N*′-nitro-*N*-nitrosoguanidine	R	6	151
71-43-2	Benzene	K	1	11
72-33-3	Mestranol (under Estrogens [Not Conjugated])	R	4	129
75-01-4	Vinyl Chloride	K	1	61
75-07-0	Acetaldehyde	R	6	65
75-09-2	Dichloromethane (Methylene Chloride)	R	5	107
75-09-2	Methylene Chloride (See Dichloromethane)	R	5	107
75-21-8	**Ethylene Oxide**	**K**	**2[c] 9[d]**	**35**

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
75-27-4	Bromodichloromethane	R	6	79
75-55-8	2-Methylaziridine (Propylenimine)	R	4	147
75-55-8	Propylenimine (See 2-Methylaziridine)	R	4	147
75-56-9	Propylene Oxide	R	6	193
77-09-8	**Phenolphthalein**	**R**	**9**	**182**
77-78-1	Dimethyl Sulfate	R	2	121
78-79-5	**Isoprene**	**R**	**9**	**143**
79-01-6	**Trichloroethylene**	**R**	**9**	**209**
79-06-1	Acrylamide	R	6	67
79-44-7	Dimethylcarbamoyl Chloride	R	2	119
79-46-9	2-Nitropropane	R	4	164
82-28-0	1-Amino-2-methylanthraquinone	R	3	73
88-06-2	2,4,6-Trichlorophenol	R	3	211
90-94-8	Bis(dimethylamino)benzophenone (See Michler's Ketone)	R	3	153
90-94-8	Michler's Ketone [4,4′-(Dimethylamino)benzophenone]	R	3	153
91-23-6	*o*-Nitroanisole	R	8	158
91-59-8	2-Aminonaphthalene (See 2-Naphthylamine)	K	1	41
91-59-8	2-Naphthylamine (β-Naphthylamine; 2-Aminonaphthalene)	K	1	41
91-94-1	3,3′-Dichlorobenzidine	R	2	105
92-67-1	4-Aminobiphenyl (4-Aminodiphenyl)	K	1	3
92-87-5	Benzidine	K	1	11
94-59-7	Safrole	R	2	196
95-06-7	*N*,*N*-Diethyldithiocarbamic acid 2-chloroallyl ester (See Sulfallate)	R	3	199
95-06-7	Sulfallate	R	3	199
95-53-4	*o*-Toluidine	R	3	207
95-69-2	*p*-Chloro-*o*-toluidine	R	8	90
95-80-7	2,4-Diaminotoluene	R	2	99
95-83-0	4-Chloro-*o*-phenylenediamine	R	4	89
96-12-8	1,2-Dibromo-3-chloropropane	R	2	100
96-18-4	1,2,3-Trichloropropane	R	8	212
96-45-7	Ethylene Thiourea	R	3	129
97-56-3	*o*-Aminoazotoluene	R	5	72

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
98-07-7	Benzotrichloride	R	4	76
100-75-4	*N*-Nitrosopiperidine	R	2	175
101-14-4	MBOCA [See 4,4′-Methylenebis(2-chloraniline)]	R	3	148
101-14-4	4,4′-Methylenebis(2-chloraniline) (MBOCA)	R	3	148
101-61-1	4,4′-Methylenebis(*N,N*-dimethylbenzenamine)	R	3	149
101-77-9	4,4′-Methylenedianiline	R	4	150
101-80-4	Diaminodiphenyl Ether (See 4,4′-Oxydianiline)	R	5	179
101-80-4	4,4′-Oxydianiline	R	5	179
101-90-6	Diglycidyl Resorcinol Ether	R	5	116
106-46-7	1,4-Dichlorobenzene (*p*-Dichlorobenzene)	R	5	103
106-87-6	4-Vinyl-1-cyclohexene Diepoxide	R	7	216
106-89-8	Epichlorohydrin	R	4	125
106-93-4	1,2-Dibromoethane (Ethylene dibromide; EDB)	R	2	102
106-93-4	Ethylene Dibromide [See 1,2-Dibromoethane (EDB)]	R	2	102
106-99-0	**1,3-Butadiene**	**K**	**5[c]** **9[d]**	**14**
107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	R	2	102
107-06-2	Ethylene Dichloride (See 1,2-Dichloroethane)	R	2	102
107-13-1	Acrylonitrile	R	2	69
107-30-2	Chloromethyl Methyl Ether	K	1	13
110-00-9	Furan	R	8	133
115-28-6	Chlorendic Acid	R	5	84
116-14-3	**Tetrafluoroethylene**	**R**	**9**	**202**
117-10-2	Danthron (1,8-Dihydroxyanthraquinone)	R	8	96
117-10-2	1,8-Dihydroxyanthraquinone [See Danthron]	R	8	96
117-79-3	2-Aminoanthraquinone	R	3	71
117-81-7	bis(2-Ethylhexyl) Phthalate [See di(2-Ethylhexyl)phthalate]	R	3	113
117-81-7	DEHP [See di(2-Ethylhexyl) Phthalate]	R	3	113
117-81-7	di(2-Ethylhexyl) Phthalate [DEHP; bis(2-Ethylhexyl phthalate)]	R	3	113
118-74-1	Hexachlorobenzene	R	3	137
119-90-4	3,3′-Dimethoxybenzidine	R	3	116
119-93-7	3,3′-Dimethylbenzidine	R	3	118
120-71-8	*p*-Cresidine	R	2	94

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
122-66-7	Hydrazobenzene	R	2	141
123-91-1	1,4-Dioxane	R	2	122
126-72-7	Tris(2,3-dibromopropyl) Phosphate	R	2	213
126-99-8	**Chloroprene**	**R**	**9**	**89**
127-18-4	Perchloroethylene (See Tetrachloroethylene)	R	5	200
127-18-4	Tetrachloroethylene (Perchloroethylene)	R	5	200
134-29-2	*o*-Anisidine Hydrochloride	R	3	74
135-20-6	Cupferron	R	3	95
136-40-3	Phenazopyridine Hydrochloride	R	2	181
139-13-9	Nitrilotriacetic Acid	R	3	157
143-50-0	Chlordecone® (see Kepone®)	R	2	144
143-50-0	Kepone® (Chlordecone)	R	2	144
148-82-3	Melphalan	K	1	39
154-93-8	BCNU [See Bis(chloroethyl) Nitrosourea]	R	4	78
154-93-8	Bis(chloroethyl) Nitrosourea (BCNU)	R	4	78
189-55-9	Dibenzo[*a,i*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
189-64-0	Dibenzo[*a,h*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
191-30-0	Dibenzo[*a,l*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
192-65-4	Dibenzo[*a,e*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
193-39-5	Indeno[1,2,3-*cd*]pyrene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
194-59-2	7*H*-Dibenzo[*c,g*]carbazole (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
205-82-3	Benzo[*j*]fluoranthene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
205-99-2	Benzo[*b*]fluoranthene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
207-08-9	Benzo[*k*]fluoranthene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
224-42-0	Dibenz[*a,j*]acridine (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
226-36-8	Dibenz[*a,h*]acridine (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
298-81-7	Methoxsalen (under Methoxsalen with Ultraviolet A Therapy (PUVA)) [methoxsalen not carcinogenic alone]	K	4	40
301-04-2	Lead Acetate	R	2	145
302-01-2	Hydrazine	R	3	140
303-47-9	Ochratoxin A	R	6	178
305-03-3	Chlorambucil	K	2	21

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
319-84-6	α-Hexachlorocyclohexane (under Lindane and Other Hexachlorocyclohexane Isomers)	R	2	146
319-85-7	β-Hexachlorocyclohexane (under Lindane and Other Hexachlorocyclohexane Isomers)	R	2	146
320-67-2	Azacitidine (5-Azacytidine)	R	8	76
366-70-1	Procarbazine Hydrochloride	R	2	190
373-02-4	Nickel Acetate (under Nickel and Certain Nickel Compounds)	R	1	155
434-07-1	Oxymetholone	R	1	180
438-67-5	Sodium Estrone Sulfate (under Conjugated Estrogens)	K	5	25
443-48-1	Metronidazole	R	4	152
446-86-6	Azathioprine	K	4	9
505-60-2	Mustard Gas	K	1	41
509-14-8	Tetranitromethane	R	7	203
513-37-1	Dimethylvinyl Chloride	R	6	122
542-75-6	1,3-Dichloropropene (Technical Grade)	R	5	109
542-88-1	Bis(chloromethyl) Ether	K	1	13
556-52-5	Glycidol	R	7	136
563-47-3	3-Chloro-2-methylpropene	R	5	88
569-61-9	C.I. Basic Red 9 Monohydrochloride	R	5	93
608-73-1	Hexachlorocyclohexane (under Lindane and Other Hexachlorocyclohexane Isomers	R	2	146
612-83-9	3,3′-Dichlorobenzidine Dihydrochloride	R	6	105
621-64-7	*N*-Nitrosodi-*n*-propylamine	R	2	170
636-21-5	*o*-Toluidine Hydrochloride	R	2	207
680-31-9	Hexamethylphosphoramide	R	4	139
684-93-5	*N*-Methyl-*N*-nitrosourea (See *N*-Nitroso-*N*-methylurea)	R	2	172
684-93-5	*N*-Nitroso-*N*-methylurea (*N*-Methyl-*N*-nitrosourea)	R	2	172
759-73-9	ENU [See *N*-Nitroso-*N*-ethylurea (*N*-Ethyl-*N*-nitrosourea)]	R	2	171
759-73-9	*N*-Ethyl-*N*-nitrosourea (See *N*-Nitroso-*N*-ethylurea)	R	2	171
759-73-9	*N*-Nitroso-*N*-ethylurea (*N*-Ethyl-*N*-nitrosourea; ENU)	R	2	171
924-16-3	*N*-Nitrosodi-*n*-butylamine	R	2	165
930-55-2	*N*-Nitrosopyrrolidine	R	2	176
1116-54-7	*N*-Nitrosodiethanolamine	R	2	166
1120-71-4	1,3-Propane Sultone	R	4	192

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
1271-28-9	Nickelocene (under Nickel and Certain Nickel Compounds)	R	1	155
1302-52-9	Beryl Ore (under Beryllium and Certain Beryllium Compounds)	R	2	76
1304-56-9	Beryllium Oxide (under Beryllium and Certain Beryllium Compounds)	R	2	76
1306-19-0	**Cadmium Oxide (under Cadmium and Cadmium Compounds)**	**K**	**1[c] 9[d]**	**17**
1306-23-6	**Cadmium Sulfide (under Cadmium and Cadmium Compounds)**	**K**	**1[c] 9[d]**	**17**
1313-99-1	Nickel Oxide (under Nickel and Certain Nickel Compounds)	R	1	155
1314-20-1	Thorium Dioxide	K	2	59
1332-21-4	Asbestos	K	1	6
1336-36-3	PCBs (under Polychlorinated Biphenyls)	R	2	186
1336-36-3	Polychlorinated Biphenyls (PCBs)	R	2	186
1402-68-2	Aflatoxins	K	1	1
1464-53-5	Diepoxybutane	R	3	110
1746-01-6	**2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD)[e]**	**R**	**2[c] 9[d]**	**199**
1836-75-5	Nitrofen	R	3	163
1937-37-7	**Direct Black 38**	**K**	**3[c] 9[d]**	**31**
2385-85-5	Mirex	R	2	154
2475-45-8	Disperse Blue 1	R	8	124
2602-46-2	**Direct Blue 6**	**K**	**3[c] 9[d]**	**32**
3165-93-3	*p*-Chloro-*o*-toluidine Hydrochloride	R	8	90
3333-67-3	Nickel Carbonate (under Nickel and Certain Nickel Compounds)	R	1	155
3697-24-3	5-Methylchrysene (under Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	187
3817-11-6	*N*-Nitroso-*n*-butyl-*N*-(4-hydroxybutyl)amine (under *N*-Nitrosodi-*n*-butylamine)	R	2	165
4342-03-4	Dacarbazine	R	4	95
4549-40-0	*N*-Nitrosomethylvinylamine	R	2	173
5522-43-0	1-Nitropyrene	R	8	161
7280-37-7	Piperazine Estrone Sulfate (under Conjugated Estrogens)	K	4	25
7440-02-0	Nickel (under Nickel and Certain Nickel Compounds)	R	1	155
7440-41-7	Beryllium (under Beryllium and Certain Beryllium Compounds)	R	2	76
7440-43-9	**Cadmium (under Cadmium and Cadmium Compounds)**	**K**	**1[c] 9[d]**	**17**

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
7446-27-7	Lead Phosphate	R	2	145
7446-34-6	Selenium Sulfide	R	3	197
7496-02-8	6-Nitrochrysene	R	8	161
7758-97-6	Lead Chromate (under Chromium Hexavalent Compounds)	K	1	22
7787-47-5	Beryllium Chloride (under Beryllium and Certain Beryllium Compounds)	R	2	76
7787-49-7	Beryllium Fluoride (under Beryllium and Certain Beryllium Compounds)	R	2	76
7787-56-6	Beryllium Sulfate Tetrahydrate (under Beryllium and Certain Beryllium Compounds)	R	2	76
7789-06-2	Strontium Chromate (under Chromium Hexavalent Compounds)	K	1	22
8001-35-2	Toxaphene	R	2	208
8001-58-9	Creosote (Coal) (under Tars and Mineral Oils)	K	4	54
8007-45-2	Coal Tar (under Tars and Mineral Oils)	K	4	54
8021-39-4	Creosote (Wood) (under Tars and Mineral Oils)	K	4	54
9004-66-4	Iron Dextran Complex	R	2	142
10034-93-2	Hydrazine Sulfate	R	3	140
10043-92-2	Radon	K	7	42
10108-64-2	**Cadmium Chloride (under Cadmium and Cadmium Compounds)**	**K**	**1[c] 9[d]**	**17**
10124-36-4	**Cadmium Sulfate (under Cadmium and Cadmium Compounds)**	**K**	**1[c] 9[d]**	**17**
10540-29-1	**Tamoxifen**	**K**	**9**	**53**
11096-82-5	Aroclor® 1260 (under Polychlorinated Biphenyls)	R	3	186
11097-69-1	Aroclor® 1254 (under Polychlorinated Biphenyls)	R	2	186
11113-74-9	Nickel Hydroxide (under Nickel and Certain Nickel Compounds)	R	1	155
12035-72-2	Nickel Subsulfide (under Nickel and Certain Nickel Compounds)	R	1	155
12054-48-7	Nickel Hydroxide (under Nickel and Certain Nickel Compounds)	R	1	155
12770-50-2	Beryllium Aluminum Alloy (under Beryllium and Certain Beryllium Compounds)	R	2	76
13010-47-4	CCNU [See 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea]	R	4	86
13010-47-4	1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)	R	4	86
13256-22-9	*N*-Nitrososarcosine	R	2	177
13327-32-7	Beryllium Hydroxide (under Beryllium and Certain Beryllium Compounds)	R	2	76
13463-39-3	Nickel Carbonyl (under Nickel and Certain Nickel Compounds)	R	1	155
13510-49-1	Beryllium sulfate	R	2	76

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
13530-65-9	Zinc Chromate (under Chromium Hexavalent Compounds)	K	1	22
13552-44-8	4,4′-Methylenedianiline Dihydrochloride	R	4	150
13598-15-7	Beryllium Phosphate (under Beryllium and Certain Beryllium Compounds)	R	2	76
13654-09-6	Decabromobiphenyl (Under Polybrominated Biphenyls)	R	3	185
13909-09-6	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)	K	6	22
13909-09-6	MeCCNU [See 1-(2-Chloroethyl)-3-(4-methylhexyl)-1-nitrosourea]	K	6	22
14464-46-1	**Cristobalite (under Silica, Crystalline [Respirable Size])**	**K**	**6[c] 9[d]**	**43**
14808-60-7	**Quartz (under Silica, Crystalline [Respirable Size])**	**K**	**6[c] 9[d]**	**43**
15468-32-3	**Tridymite (under Silica, Crystalline [Respirable Size])**	**K**	**6[c] 9[d]**	**43**
15663-27-1	Cisplatin	R	6	93
16543-55-8	*N*-Nitrosonornicotine	R	2	174
16680-47-0	Sodium Equilin Sulfate (under Conjugated Estrogens)	K	4	25
18883-66-4	Streptozotocin	R	2	198
25013-16-5	Butylated Hydroxyanisole (BHA)	R	6	80
25316-40-9	Adriamycin® (Doxorubicin hydrochloride)	R	4	70
25316-40-9	Doxorubicin hydrochloride (See Adriamycin®)	R	4	70
26471-62-5	Toluene Diisocyanate	R	4	205
37317-41-2	Kanechlor® 500 (under Polychlorinated Biphenyls)	R	3	186
38252-74-3	*N*-Nitroso-*n*-butyl-*N*-(3-carboxypropyl)amine (under *N*-Nitrosodi-*n*-butylamine)	R	2	165
39156-41-7	2,4-Diaminoanisole Sulfate	R	3	98
39413-47-3	Beryllium Zinc Silicate (under Beryllium and Certain Beryllium Compounds)	R	2	76
42397-64-8	1,6-Dinitropyrene	R	8	159
42397-65-9	1,8-Dinitropyrene	R	8	160
54749-90-5	Chlorozotocin	R	8	92
57835-92-4	4-Nitropyrene	R	8	162
59865-13-3	Cyclosporin A (Cyclosporine A; Ciclosporin)	K	8	27
61288-13-9	Octabromobiphenyl (Under Polybrominated Biphenyls)	R	3	185
64091-91-4	4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK)	R	6	171
64091-91-4	NNK [See 4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone]	R	6	171
66733-21-9	Erionite	K	1	34

CASRN	NAME OR SYNONYM	Listing in the 9th RoC[a]	FIRST LISTED[b]	Page No. III-
67774-32-7	FireMaster FF-1 (Hexabromobiphenyl; under Polybrominated Biphenyls)	R	3	185
67774-32-7	Hexabromobiphenyl (FireMaster FF-1, Under Polybrominated Biphenyls)	R	3	185
108171-26-2	Chlorinated Paraffins (C_{12}, 60% Chlorine)	R	5	85

a KNOWN (K) = *Known to be a human carcinogen*
RAHC (R) = *Reasonably anticipated to be a human carcinogen*

b Numbers designate the number of the Report on Carcinogens when first listed.

1 = First Annual Report on Carcinogens, 1980
2 = Second Annual Report on Carcinogens, 1981
3 = Third Annual Report on Carcinogens, 1983
4 = Fourth Annual Report on Carcinogens, 1985
5 = Fifth Annual Report on Carcinogens, 1989
6 = Sixth Annual Report on Carcinogens, 1991
7 = Seventh Annual Report on Carcinogens, 1994
8 = Eighth Report on Carcinogens, 1998
9 = Ninth Report on Carcinogens, 2000

c First listed as reasonably anticipated to be a human carcinogen

d First listed as known human carcinogen

e This substance has been proposed for upgrade to the *Known to be a Human Carcinogen* category. The proposed listing is currently in litigation. Depending on the outcome of the litigation an addendum may be published following the Court's ruling.

Bold entries indicate new listing in *The Report on Carcinogens, Eighth Edition*