

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 *Tenth 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 approximately 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 formula. The Number Section links the CAS number (arranged numerically) to the molecular formula, Chemical Abstracts index name, and the common name.

Appendix H. CAS Registry Number Index.

CASRN	Name or synonym	Listing in the 10th RoC ^a	First listed ^b	Page No. III-
	Alcoholic Beverage Consumption	K	9	10
	Analgesic Mixtures Containing Phenacetin (See Phenacetin and Analgesic Mixtures Containing Phenacetin)	K	4	194
	Arsenic Compounds, Inorganic	K	1	17
	Ceramic Fibers (Respirable Size)	R	7	46
	Chromium Hexavalent Compounds	K	1	63
	Coke Oven Emissions	K	1	70
	Diesel Exhaust Particulates	R	9	94
	Dyes Metabolized to Benzidine	K	9	26
	Dyes Metabolized to 3,3'-Dimethoxybenzidine	R	10	101
	Dyes Metabolized to 3,3'-Dimethylbenzidine	R	10	105
	Environmental Tobacco Smoke (See Tobacco Related Exposures)	K	9	234
	Estrogens, Steroidal	K	10	116
	Glasswool (Respirable Size)	R	7	131
	Mineral Oils (Untreated and Mildly Treated)	K	1	158
	Nickel Compounds (See Nickel Compounds and Metallic Nickel)	K	1^c10^d	162
	Polybrominated Biphenyls (PBBs)	R	3	199
	Polycyclic Aromatic Hydrocarbons (PAHs)	R	5	201
	Smokeless Tobacco (See Tobacco Related Exposures)	K	9	236
	Solar Radiation (See Ultraviolet Radiation Exposure)	K	9	250
	Soots	K	1	216
	Strong Inorganic Acid Mists Containing Sulfuric Acid	K	9	218
	Sunlamps and Sunbeds, Exposure to (See Ultraviolet Radiation Related Exposure)	K	9	250
	Tars (See Coal Tars and Coal Tar Pitches)	K	1	68
	Tobacco Smoking (See Tobacco Related Exposures)	K	9	238
	Broad Spectrum UV Radiation (See Ultraviolet Radiation Related Exposure)	K	10	250
	UVA Radiation (See Ultraviolet Radiation Related Exposure)	R	10	250
	UVB Radiation (See Ultraviolet Radiation Related Exposure)	R	10	250
	UVC Radiation (See Ultraviolet Radiation Related Exposure)	R	10	250
	Wood Dust	K	10	260
50-00-0	Formaldehyde (gas)	R	2	128
50-18-0	Cyclophosphamide	K	1	73
50-29-3	Dichlorodiphenyltrichloroethane (DDT)	R	4	87
50-32-8	Benzo[<i>a</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
50-55-5	Reserpine	R	2	212
51-52-5	Propylthiouracil	R	4	210
51-79-6	Urethane	R	3	254
52-24-4	Thiotepa	K	2 ⁸ 8 ^d	231
53-70-3	Dibenzo[<i>a,h</i>]anthracene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
53-96-3	2-Acetylaminofluorene	R	2	3
55-18-5	<i>N</i> -Nitrosodiethylamine	R	2	177
55-86-7	Nitrogen Mustard Hydrochloride	R	4	173
55-98-1	1,4-Butanediol Dimethylsulfonate (Myleran [®] ; Busulfan)	K	4	39
56-23-5	Carbon Tetrachloride	R	2	44
56-53-1	Diethylstilbestrol	K	1	97
56-55-3	Benz[<i>a</i>]anthracene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
56-75-7	Chloramphenicol	R	10	48
57-14-7	1,1-Dimethylhydrazine (UDMH)	R	4	107
57-41-0	Phenytoin	R	1	198
57-57-8	β-Propiolactone	R	2	207
57-83-0	Progesterone	R	4	205
58-89-9	Lindane (See Lindane and Other Hexachlorocyclohexane Isomers)	R	2	145
59-89-2	<i>N</i> -Nitrosomorpholine	R	2	185
60-11-7	4-Dimethylaminoazobenzene	R	2	103
61-82-5	Amitrole	R	2	15
62-44-2	Phenacetin (See Phenacetin and Analgesic Mixtures Containing Phenacetin)	R	1	193
62-50-0	Ethyl Methanesulfonate	R	6	127
62-55-5	Thioacetamide	R	3	230
62-56-6	Thiourea	R	3	232

(Continued)

APPENDIX H

Appendix H. CAS Registry Number Index. (Continued)

CASRN	Name or synonym	Listing in the 10th RoC ^a	First listed ^b	Page No. III-
62-75-9	<i>N</i> -Nitrosodimethylamine	R	2	179
63-92-3	Phenoxybenzamine Hydrochloride	R	5	197
64-67-5	Diethyl Sulfate	R	4	96
66-27-3	Methyl Methanesulfonate	R	6	154
67-66-3	Chloroform	R	2	54
67-72-1	Hexachloroethane	R	7	135
68-22-4	Norethisterone	R	4	189
70-25-7	<i>N</i> -Methyl- <i>N</i> -nitro- <i>N</i> -nitrosoguanidine	R	6	155
71-43-2	Benzene	K	1	24
75-01-4	Vinyl Chloride	K	1	257
75-02-5	Vinyl Fluoride	R	10	259
75-07-0	Acetaldehyde	R	6	1
75-09-2	Dichloromethane (Methylene Chloride)	R	5	90
75-21-8	Ethylene Oxide	K	2 ^c g ^d	119
75-27-4	Bromodichloromethane	R	6	34
75-55-8	2-Methylaziridine (Propylenimine)	R	4	148
75-56-9	Propylene Oxide	R	6	208
77-09-8	Phenolphthalein	R	9	195
77-78-1	Dimethyl Sulfate	R	2	108
78-79-5	Isoprene	R	9	141
79-01-6	Trichloroethylene	R	9	244
79-06-1	Acrylamide	R	6	4
79-44-7	Dimethylcarbamoyl Chloride	R	2	106
79-46-9	2-Nitropropane	R	4	174
82-28-0	1-Amino-2-methylanthraquinone	R	3	14
88-06-2	2,4,6-Trichlorophenol	R	3	247
90-94-8	Michler's Ketone [4,4'-(Dimethylamino)benzophenone]	R	3	157
91-23-6	<i>o</i> -Nitroanisole	R	8	166
91-59-8	2-Naphthylamine (β -Naphthylamine)	K	1	161
91-94-1	3,3'-Dichlorobenzidine	R	2	85
92-67-1	4-Aminobiphenyl (4-Aminodiphenyl)	K	1	13
92-87-5	Benzidine (See Benzidine and Dyes Metabolized to Benzidine)	K	1	26
93-15-2	Methyleugenol	R	10	153
94-59-7	Safrole	R	2	213
95-06-7	Sulfallate	R	3	222
95-53-4	<i>o</i> -Toluidine	R	3	242
95-69-2	<i>p</i> -Chloro- <i>o</i> -toluidine	R	8	61
95-80-7	2,4-Diaminotoluene	R	2	78
95-83-0	4-Chloro- <i>o</i> -phenylenediamine	R	4	59
96-09-3	Styrene-7,8-oxide	R	10	220
96-12-8	1,2-Dibromo-3-chloropropane	R	2	79
96-13-9	2,3-Dibromo-1-propanol (DBP)	R	10	82
96-18-4	1,2,3-Trichloropropane	R	8	248
96-45-7	Ethylene Thiourea	R	3	124
97-56-3	<i>o</i> -Aminoazotoluene	R	5	12
98-07-7	Benzotrithiolide	R	4	30
100-75-4	<i>N</i> -Nitrosopiperidine	R	2	186
101-14-4	4,4'-Methylenebis(2-chloroaniline) (MBOCA)	R	3	149
101-61-1	4,4'-Methylenebis(<i>N,N</i> -dimethylbenzenamine)	R	3	151
101-77-9	4,4'-Methylenedianiline	R	4	152
101-80-4	4,4'-Oxydianiline	R	5	190
101-90-6	Diglycidyl Resorcinol Ether	R	5	99
106-46-7	1,4-Dichlorobenzene (<i>p</i> -Dichlorobenzene)	R	5	84
106-87-6	4-Vinyl-1-cyclohexene Diepoxide	R	7	258
106-89-8	Epichlorohydrin	R	4	113
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	R	2	81
106-99-0	1,3-Butadiene	K	5 ^c g ^d	36
107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	R	2	88
107-13-1	Acrylonitrile	R	2	6
107-30-2	Chloromethyl Methyl Ether	K	1	56
110-00-9	Furan	R	8	130
115-28-6	Chlorendic Acid	R	5	50
116-14-3	Tetrafluoroethylene	R	9	228
117-10-2	Danthron (1,8-Dihydroxyanthraquinone)	R	8	76
117-79-3	2-Aminoanthraquinone	R	3	11
117-81-7	di(2-Ethylhexyl) Phthalate (DEHP)	R	3	125
118-74-1	Hexachlorobenzene	R	3	134
119-90-4	3,3'-Dimethoxybenzidine (See 3,3'-Dimethoxybenzidine and Dyes Metabolized to Dimethoxybenzidine)	R	3	100
119-93-7	3,3'-Dimethylbenzidine (See 3,3'-Dimethylbenzidine and Dyes Metabolized to Dimethylbenzidine)	R	3	104
120-71-8	<i>p</i> -Cresidine	R	2	71

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Appendix H. CAS Registry Number Index. (Continued)

CASRN	Name or synonym	Listing in the 10th RoC ^a	First listed ^b	Page No. III-
122-66-7	Hydrazobenzene	R	2	139
123-91-1	1,4-Dioxane	R	2	110
126-72-7	Tris(2,3-dibromopropyl) Phosphate	R	2	83
126-99-8	Chloroprene	R	9	59
127-18-4	Tetrachloroethylene (Perchloroethylene)	R	5	226
134-29-2	<i>o</i> -Anisidine Hydrochloride	R	3	16
135-20-6	Cupferron	R	3	72
136-40-3	Phenazopyridine Hydrochloride	R	2	194
139-13-9	Nitrilotriacetic Acid	R	3	165
143-50-0	Kepone® (Chlordecone)	R	2	143
148-82-3	Melphalan	K	1	147
154-93-8	Bis(chloroethyl) Nitrosourea (BCNU)	R	4	54
189-55-9	Dibenzo[<i>a,h</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
189-64-0	Dibenzo[<i>a,h</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
191-30-0	Dibenzo[<i>a,h</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
192-65-4	Dibenzo[<i>a,e</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
193-39-5	Indeno[1,2,3- <i>cd</i>]pyrene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
194-59-2	7 <i>H</i> -Dibenzo[<i>c,g</i>]carbazole (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
205-82-3	Benzo[<i>j</i>]fluoranthene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
205-99-2	Benzo[<i>b</i>]fluoranthene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
207-08-9	Benzo[<i>k</i>]fluoranthene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
224-42-0	Dibenzo[<i>a,j</i>]acridine (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
226-36-8	Dibenzo[<i>a,h</i>]acridine (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
298-81-7	Methoxsalen (See Methoxsalen with Ultraviolet A Therapy (PUVA)) [methoxsalen not carcinogenic alone]	K	4	148
301-04-2	Lead Acetate	R	2	144
302-01-2	Hydrazine	R	3	138
303-47-9	Ochratoxin A	R	6	189
305-03-3	Chlorambucil	K	2	47
319-84-6	α -Hexachlorocyclohexane (See Lindane and Other Hexachlorocyclohexane Isomers)	R	2	145
319-85-7	β -Hexachlorocyclohexane (See Lindane and Other Hexachlorocyclohexane Isomers)	R	2	145
320-67-2	Azacitidine (5-Azacitidine)	R	8	22
366-70-1	Procabazine Hydrochloride	R	2	204
434-07-1	Oxymetholone	R	1	191
443-48-1	Metronidazole	R	4	156
446-86-6	Azathioprine	K	4	23
505-60-2	Mustard Gas	K	1	160
509-14-8	Tetranitromethane	R	7	229
513-37-1	Dimethylvinyl Chloride	R	6	109
542-75-6	1,3-Dichloropropene (Technical Grade)	R	5	91
542-88-1	Bis(chloromethyl) Ether	K	1	56
556-52-5	Glycidol	R	7	133
563-47-3	3-Chloro-2-methylpropene	R	5	57
569-61-9	C.I. Basic Red 9 Monohydrochloride	R	5	66
593-60-2	Vinyl Bromide	R	10	256
608-73-1	Hexachlorocyclohexane (See Lindane and Other Hexachlorocyclohexane Isomers)	R	2	145
612-83-9	3,3'-Dichlorobenzidine Dihydrochloride	R	6	85
621-64-7	<i>N</i> -Nitrosodi- <i>n</i> -propylamine	R	2	180
636-21-5	<i>o</i> -Toluidine Hydrochloride	R	2	242
680-31-9	Hexamethylphosphoramide	R	4	137
684-93-5	<i>N</i> -Nitroso- <i>N</i> -methylurea (<i>N</i> -Methyl- <i>N</i> -nitrosourea)	R	2	183
759-73-9	<i>N</i> -Nitroso- <i>N</i> -ethylurea (<i>N</i> -Ethyl- <i>N</i> -nitrosourea; ENU)	R	2	181
924-16-3	<i>N</i> -Nitrosodi- <i>n</i> -butylamine	R	2	175
930-55-2	<i>N</i> -Nitrosopyrrolidine	R	2	187
1116-54-7	<i>N</i> -Nitrosodiethanolamine	R	2	176
1120-71-4	1,3-Propane Sultone	R	4	207
1314-20-1	Thorium Dioxide	K	2	233
1332-21-4	Asbestos	K	1	19
1336-36-3	Polychlorinated Biphenyls (PCBs)	R	2	200
1402-68-2	Aflatoxins	K	1	8
1464-53-5	Diepoxybutane	R	3	93
1746-01-6	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin (TCDD); "Dioxin"	K	2 ^c 9 ^d	224
1836-75-5	Nitrofen	R	3	172
2385-85-5	Mirex	R	2	159
2475-45-8	Disperse Blue 1	R	8	112
3165-93-3	<i>p</i> -Chloro- <i>o</i> -toluidine Hydrochloride	R	8	61
3296-90-0	2,2-bis-(Bromomethyl)-1,3-propanediol (Technical Grade) [BBMP]	R	10	35
3697-24-3	5-Methylchrysene (See Polycyclic Aromatic Hydrocarbons, 15 Listings)	R	2	201
4342-03-4	Dacarbazine	R	4	75
4549-40-0	<i>N</i> -Nitrosomethylvinylamine	R	2	184
5522-43-0	1-Nitropyrene	R	8	170

(Continued)

APPENDIX H

Appendix H. CAS Registry Number Index. (Continued)

CASRN	Name or synonym	Listing in the 10th RoC ^a	First listed ^b	Page No. III-
7440-02-0	Nickel (Metallic) (See Nickel Compounds and Metallic Nickel)	R	1^{c10}	162
7440-41-7	Beryllium (See Beryllium and Beryllium Compounds)	K	2^{c10}	31
7440-43-9	Cadmium (See Cadmium and Cadmium Compounds)	K	1 ^{c9d}	42
7446-27-7	Lead Phosphate	R	2	144
7446-34-6	Selenium Sulfide	R	3	214
7496-02-8	6-Nitrochrysene	R	8	169
8001-35-2	Toxaphene	R	2	243
8007-45-2	Coal Tar (See Coal Tars and Coal Tar Pitches)	K	4	68
9004-66-4	Iron Dextran Complex	R	2	140
10034-93-2	Hydrazine Sulfate	R	3	138
10043-92-2	Radon	K	7	210
10540-29-1	Tamoxifen	K	9	223
13010-47-4	1-[2-Chloroethyl]-3-cyclohexyl-1-nitrosourea	R	4	52
13256-22-9	<i>N</i> -Nitrososarcosine	R	2	188
13552-44-8	4,4'-Methylenedianiline Dihydrochloride	R	4	152
13654-09-6	Decabromobiphenyl (See Polybrominated Biphenyls)	R	3	199
13909-09-6	1-[2-Chloroethyl]-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)	K	6	53
14464-46-1	Cristobalite (See Silica, Crystalline [Respirable Size])	K	6 ^{c9d}	215
14808-60-7	Quartz (See Silica, Crystalline [Respirable Size])	K	6 ^{c9d}	215
15468-32-3	Tridymite (See Silica, Crystalline [Respirable Size])	K	6 ^{c9d}	215
15663-27-1	Cisplatin	R	6	67
16543-55-8	<i>N</i> -Nitrosornicotine	R	2	185
18883-66-4	Streptozotocin	R	2	217
23214-92-8	Adriamycin® (Doxorubicin hydrochloride)	R	4	8
25013-16-5	Butylated Hydroxyanisole (BHA)	R	6	40
26471-62-5	Toluene Diisocyanate	R	4	240
36355-01-8	Hexabromobiphenyl (Under Polybrominated Biphenyls)	R	4	199
39156-41-7	2,4-Diaminoanisole Sulfate	R	3	77
42397-64-8	1,6-Dinitropyrene	R	8	168
42397-65-9	1,8-Dinitropyrene	R	8	169
54749-90-5	Chlorozotocin	R	8	63
57835-92-4	4-Nitropyrene	R	8	171
59865-13-3	Cyclosporin A	K	8	74
61288-13-9	Octabromobiphenyl (Under Polybrominated Biphenyls)	R	3	200
64091-91-4	4-(<i>N</i> -Nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK)	R	6	182
66733-21-9	Erionite	K	1	114
76180-96-6	2-Amino-3-methylimidazo[4,5-f]quinoline (IQ)	R	10	15
108171-26-2	Chlorinated Paraffins (C ₁₂ , 60% Chlorine)	R	5	51

^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

10 = Tenth Report on Carcinogens, 2002

^c First listed as reasonably anticipated to be a human carcinogen

^d First listed as known human carcinogen

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