

**CARCINOGENS LISTED IN THE ELEVENTH REPORT**

**Part B. Reasonably Anticipated to be a Human Carcinogen.**

| Name or synonym   | Page No. III- |
|---|---------------|
| Acetaldehyde  | 1             |
| 2-Acetylaminofluorene   | 3             |
| Acrylamide  | 4             |
| Acrylonitrile   | 6             |
| Adriamycin® (Doxorubicin Hydrochloride)   | 8             |
| 2-Aminoanthraquinone  | 12            |
| <i>o</i> -Aminoazotoluene   | 12            |
| <b>1-Amino-2,4-dibromoanthraquinone</b>   | <b>15</b>     |
| 1-Amino-2-methylantraquinone  | 16            |
| <b>2-Amino-3,4-dimethylimidazo[4,5-<i>f</i>]quinoline (MeIQ)</b>                                      | <b>135</b>    |
| <b>2-Amino-3,8-dimethylimidazo[4,5-<i>f</i>]quinoxaline (MeIQx)</b>                                   | <b>135</b>    |
| 2-Amino-3-methylimidazo[4,5- <i>f</i> ]quinoline (IQ)   | 136           |
| <b>2-Amino-1-methyl-6-phenylimidazo[4,5-<i>b</i>]pyridine (PhIP)</b>                                  | <b>136</b>    |
| Amitrole  | 16            |
| <i>o</i> -Anisidine Hydrochloride   | 17            |
| Azacitidine (5-Azacytidine®, 5-AzaC)  | 24            |
| Benz[ <i>a</i> ]anthracene (See Polycyclic Aromatic Hydrocarbons)                                     | 220           |
| Benz[ <i>b</i> ]fluoranthene (See Polycyclic Aromatic Hydrocarbons)                                   | 220           |
| Benz[ <i>j</i> ]fluoranthene (See Polycyclic Aromatic Hydrocarbons)                                   | 220           |
| Benz[ <i>k</i> ]fluoranthene (See Polycyclic Aromatic Hydrocarbons)                                   | 220           |
| Benz[ <i>a</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)   | 220           |
| Benzotrichloride  | 31            |
| Bromodichloromethane  | 35            |
| 2,2-bis-(Bromoethyl)-1,3-propanediol (Technical Grade)  | 36            |
| Butylated Hydroxyanisole (BHA)  | 40            |
| Carbon Tetrachloride  | 44            |
| Ceramic Fibers (Respirable Size)  | 46            |
| Chloramphenicol   | 48            |
| Chlorendic Acid   | 50            |
| Chlorinated Paraffins (C <sub>12</sub> , 60% Chlorine)  | 51            |
| 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea  | 52            |
| bis(Chloroethyl) nitrosourea  | 53            |
| Chloroform  | 54            |
| 3-Chloro-2-methylpropene  | 57            |
| 4-Chloro- <i>o</i> -phenylenediamine  | 58            |
| Chloroprene   | 59            |
| <i>p</i> -Chloro- <i>o</i> -toluidine and <i>p</i> -Chloro- <i>o</i> -toluidine Hydrochloride         | 60            |
| Chlorzotocin  | 62            |
| C.I. Basic Red 9 Monohydrochloride  | 66            |
| Cisplatin   | 67            |
| <b>Cobalt Sulfate</b>   | <b>70</b>     |
| <i>p</i> -Cresidine   | 72            |
| Cupferron   | 73            |
| Dacarbazine   | 76            |
| Danthron (1,8-Dihydroxyanthraquinone)   | 77            |
| 2,4-Diaminoanisoole Sulfate   | 78            |
| 2,4-Diaminotoluene  | 79            |
| <b>Diazoaminobenzene</b>  | <b>80</b>     |
| Dibenz[ <i>a,h</i> ]acridine (See Polycyclic Aromatic Hydrocarbons)                                   | 220           |
| Dibenz[ <i>a,j</i> ]acridine (See Polycyclic Aromatic Hydrocarbons)                                   | 220           |
| Dibenz[ <i>a,h</i> ]anthracene (See Polycyclic Aromatic Hydrocarbons)                                 | 220           |
| 7 <i>H</i> -Dibenzo[ <i>c,g</i> ]carbazole (See Polycyclic Aromatic Hydrocarbons)                     | 220           |
| Dibenzo[ <i>a,e</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)                                    | 220           |
| Dibenzo[ <i>a,h</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)                                    | 220           |
| Dibenzo[ <i>a,i</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)                                    | 220           |
| Dibenzo[ <i>a,l</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)                                    | 220           |
| 1,2-Dibromo-3-chloropropane   | 81            |
| 1,2-Dibromoethane (Ethylene Dibromide)  | 82            |
| 2,3-Dibromo-1-propanol  | 84            |
| tris(2,3-Dibromopropyl) Phosphate   | 84            |
| 1,4-Dichlorobenzene   | 85            |
| 3,3'-Dichlorobenzidine and 3,3'-Dichlorobenzidine Dihydrochloride                                     | 87            |
| Dichlorodiphenyltrichloroethane (DDT)   | 89            |
| 1,2-Dichloroethane (Ethylene Dichloride)  | 90            |
| Dichloromethane (Methylene Chloride)  | 91            |
| 1,3-Dichloropropene (Technical Grade)   | 93            |
| Diepoxybutane   | 94            |
| Diesel Exhaust Particulates   | 95            |
| Diethyl Sulfate   | 97            |
| Diglycidyl Resorcinol Ether   | 100           |
| 3,3'-Dimethoxybenzidine (See 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine) | 101           |

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Part B. Reasonably Anticipated to be a Human Carcinogen. (Continued)

| Name or synonym   | Page No. III- |
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| 4-Dimethylaminoazobenzene   | 103           |
| 3,3'-Dimethylbenzidine (See 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine)                        | 104           |
| Dimethylcarbamoyl Chloride  | 107           |
| 1,1-Dimethylhydrazine   | 107           |
| Dimethyl Sulfate  | 109           |
| Dimethylvinyl Chloride  | 110           |
| 1,6-Dinitropyrene (See Nitroarenes (selected))  | 186           |
| 1,8-Dinitropyrene (See Nitroarenes (selected))  | 187           |
| 1,4-Dioxane   | 110           |
| Disperse Blue 1   | 112           |
| Dyes Metabolized to 3,3'-Dimethoxybenzidine (See 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine) | 101           |
| Dyes Metabolized to 3,3'-Dimethylbenzidine (See 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine)    | 106           |
| Epichlorohydrin   | 113           |
| Ethylene Thiourea   | 122           |
| di(2-Ethylhexyl) Phthalate  | 123           |
| Ethyl Methanesulfonate  | 124           |
| Formaldehyde (Gas)  | 125           |
| Furan   | 127           |
| Glass Wool (Respirable Size)  | 129           |
| Glycidol  | 130           |
| Hexachlorobenzene   | 138           |
| Hexachlorocyclohexane Isomers (See Lindane and Other Hexachlorocyclohexane Isomers)                                       | 162           |
| Hexachloroethane  | 140           |
| Hexamethylphosphoramide   | 141           |
| Hydrazine and Hydrazine Sulfate   | 145           |
| Hydrazobenzene  | 146           |
| Indeno[1,2,3- <i>cd</i> ]pyrene (See Polycyclic Aromatic Hydrocarbons)  | 220           |
| Iron Dextran Complex  | 155           |
| Isoprene  | 156           |
| Kepone® (Chlordecone)   | 158           |
| <b>Lead and Lead Compounds</b>  | <b>158</b>    |
| Lindane and Other Hexachlorocyclohexane Isomers   | 162           |
| 2-Methylaziridine (Propylenimine)   | 166           |
| 5-Methylchrysene (See Polycyclic Aromatic Hydrocarbons)   | 220           |
| 4,4'-Methylenebis(2-chloroaniline)  | 167           |
| 4,4'-Methylenebis( <i>N,N</i> -dimethyl)benzenamine   | 168           |
| 4,4'-Methylenedianiline and Its Dihydrochloride Salt  | 169           |
| Methyleugenol   | 170           |
| Methyl Methanesulfonate   | 171           |
| <i>N</i> -Methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine  | 172           |
| Metronidazole   | 173           |
| Michler's Ketone [4,4'-(Dimethylamino)benzophenone]   | 173           |
| Mirex   | 175           |
| <b>Naphthalene</b>  | <b>177</b>    |
| Nickel (Metallic) (See Nickel Compounds and Metallic Nickel)  | 181           |
| Nitrilotriacetic Acid   | 184           |
| <i>o</i> -Nitroanisole  | 185           |
| <b>Nitrobenzene</b>   | <b>190</b>    |
| 6-Nitrochrysene (See Nitroarenes (selected))  | 188           |
| Nitrofen (2,4-Dichlorophenyl- <i>p</i> -nitrophenyl ether)  | 192           |
| Nitrogen Mustard Hydrochloride  | 192           |
| <b>Nitromethane</b>   | <b>193</b>    |
| 2-Nitropropane  | 194           |
| 1-Nitropyrene (See Nitroarenes (selected))  | 189           |
| 4-Nitropyrene (See Nitroarenes (selected))  | 190           |
| <i>N</i> -Nitrosodi- <i>n</i> -butylamine   | 196           |
| <i>N</i> -Nitrosodiethanolamine   | 197           |
| <i>N</i> -Nitrosodiethylamine   | 198           |
| <i>N</i> -Nitrosodimethylamine  | 199           |
| <i>N</i> -Nitrosodi- <i>n</i> -propylamine  | 200           |
| <i>N</i> -Nitroso- <i>N</i> -ethylurea  | 201           |
| 4-( <i>N</i> -Nitrosomethylamino)-1-(3-pyridyl)-1-butanone  | 202           |
| <i>N</i> -Nitroso- <i>N</i> -methylurea   | 203           |
| <i>N</i> -Nitrosomethylvinylamine   | 204           |
| <i>N</i> -Nitrosomorpholine   | 205           |
| <i>N</i> -Nitrosornicotine  | 206           |
| <i>N</i> -Nitrosopiperidine   | 206           |
| <i>N</i> -Nitrosopyrrolidine  | 207           |
| <i>N</i> -Nitrososarcosine  | 208           |
| Norethisterone  | 208           |
| Ochratoxin A  | 209           |

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**CARCINOGENS LISTED IN THE ELEVENTH REPORT****Part B. Reasonably Anticipated to be a Human Carcinogen. (Continued)**

| Name or synonym  | Page No. III- |
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| 4,4'-Oxydianiline  | 210           |
| Oxymetholone   | 211           |
| Phenacetin (See Phenacetin and Analgesic Mixtures Containing Phenacetin) | 212           |
| Phenazopyridine Hydrochloride  | 213           |
| Phenolphthalein  | 214           |
| Phenoxybenzamine Hydrochloride   | 216           |
| Phenytoin  | 216           |
| Polybrominated Biphenyls (PBBs)  | 217           |
| Polychlorinated Biphenyls (PCBs)   | 218           |
| Polycyclic Aromatic Hydrocarbons (PAHs)                                  | 220           |
| Procarbazine Hydrochloride   | 222           |
| Progesterone   | 223           |
| 1,3-Propane Sultone  | 225           |
| $\beta$ -Propiolactone   | 225           |
| Propylene Oxide  | 226           |
| Propylthiouracil   | 227           |
| Reserpine  | 228           |
| Safrole  | 229           |
| Selenium Sulfide   | 230           |
| Streptozotocin   | 234           |
| Styrene-7,8-oxide  | 237           |
| Sulfallate   | 238           |
| Tetrachloroethylene (Perchloroethylene)                                  | 243           |
| Tetrafluoroethylene  | 245           |
| Tetranitromethane  | 246           |
| Thioacetamide  | 247           |
| <b>4,4'-Thiodianiline</b>  | <b>248</b>    |
| Thiourea   | 250           |
| Toluene Diisocyanate   | 256           |
| <i>o</i> -Toluidine and <i>o</i> -Toluidine Hydrochloride                | 258           |
| Toxaphene  | 259           |
| Trichloroethylene  | 261           |
| 2,4,6-Trichlorophenol  | 263           |
| 1,2,3-Trichloropropane   | 264           |
| Ultraviolet A Radiation (See Ultraviolet Radiation Related Exposure)     | 266           |
| Ultraviolet B Radiation (See Ultraviolet Radiation Related Exposure)     | 267           |
| Ultraviolet C Radiation (See Ultraviolet Radiation Related Exposure)     | 267           |
| Urethane   | 270           |
| Vinyl Bromide  | 271           |
| 4-Vinyl-1-cyclohexene Diepoxide  | 274           |
| Vinyl Fluoride   | 275           |

**Bold entries indicate new or changed listing in *The Report on Carcinogens, Eleventh Edition*.**