APPENDIX 2

CHEMICALS EVALUATED IN *IARC MONOGRAPHS*, VOLUMES 1-29, FOR WHICH THERE IS CONSIDERED TO BE *SUFFICIENT EVIDENCE* OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS[a]

Acrylonitrile
Adriamycin
Aflatoxins
ortho-Aminoazotoluene
4-Aminobiphenyl
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole
Amitrole
ortho-Anisidine
Aramite[R]
Asbestos
Azaserine
Benz[*a*]anthracene
Benzidine
Benzo[*b*]fluoranthene
Benzo[a]pyrene
Benzotrichloride
Benzyl violet 4B
Beryllium metal
Beryllium oxide
Beryllium sulphate
Bischloroethyl nitrosourea (BCNU)
Bis(chloromethyl)ether and technical-grade chloromethyl methyl ether
β-Butyrolactone
Cadmium chloride
Cadmium oxide
Cadmium sulphate
Cadmium sulphide
Calcium chromate
Carbon tetrachloride
Chlorambucil
Chlordecone (Kepone)
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)
Chloroform
4-Chloro-*ortho*-phenylenediamine
Citrus Red No. 2
para-Cresidine
Cycasin
Cyclophosphamide
Dacarbazine

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[a] Chemicals for which data on cancer in humans are available are shown in italics

Daunomycin
DDT
N,N′-Diacetylbenzidine
2,4-Diaminoanisole sulphate
4,4′-Diaminodiphenyl ether
2,4-Diaminotoluene
Dibenz[*a,h*]acridine
Dibenz[*a,j*]acridine
Dibenz[*a,h*]anthracene
7*H*-Dibenzo[*c,g*]carbazole
Dibenzo[*a,e*]pyrene
Dibenzo[*a,h*]pyrene
Dibenzo[*a,i*]pyrene
1,2-Dibromo-3-chloropropane
3,3′-Dichlorobenzidine
3,3′-Dichloro-4,4′-diaminodiphenyl ether
1,2-Dichloroethane
Diepoxybutane
Di(2-ethylhexyl)phthalate
1,2-Diethylhydrazine
Diethylstilboestrol
Diethyl sulphate
Dihydrosafrole
*3,3′-Dimethoxybenzidine (*ortho-*Dianisidine)*
para-Dimethylaminoazobenzene
trans-2[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole
3,3′-Dimethylbenzidine (*ortho*-Tolidine)
Dimethylcarbamoyl chloride
1,1-Dimethylhydrazine
1,2-Dimethylhydrazine
Dimethyl sulphate
1,4-Dioxane
Direct Black 38 (technical-grade)
Direct Blue 6 (technical-grade)
Epichlorohydrin
Ethinyloestradiol
Ethylene dibromide
Ethylene thiourea
Ethyl methanesulphonate
Formaldehyde gas
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole
Glycidaldehyde
Hexachlorobenzene
Hexamethylphosphoramide
Hydrazine
Indeno[1,2-*cd*]pyrene
Iron dextran complex
Isosafrole
Lasiocarpine
Lead acetate
Lead chromate
Lead phosphate

Lead subacetate
Melphalan
Merphalan
Mestranol
Methoxsalen with ultra-violet A therapy (PUVA)
2-Methylaziridine
Methylazoxymethanol and its acetate
4,4′-Methylene bis(2-chloroaniline)
4,4′-Methylene bis(2-methylaniline)
Methyl iodide
Methyl methanesulphonate
2-Methyl-1-nitroanthraquinone (of uncertain purity)
N-Methyl-*N*′-nitro-*N*-nitrosoguanidine
Methylthiouracil
Metronidazole
Mirex
Mitomycin C
Monocrotaline
5-(Morpholinomethyl)-3[(5-nitrofurfurylidene)amino]-2-oxazolidinone
Nafenopin
2-Naphthylamine
Nickel subsulphide
Niridazole
5-Nitroacenaphthene
1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide
Nitrogen mustard
Nitrogen mustard *N*-oxide
2-Nitropropane
N-Nitrosodi-*n*-butylamine
N-Nitrosodiethanolamine
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-*n*-propylamine
N-Nitroso-*N*-ethylurea
N-Nitrosomethylethylamine
N-Nitroso-*N*-methylurea
N-Nitroso-*N*-methylurethane
N-Nitrosomethylvinylamine
N-Nitrosomorpholine
N′-Nitrosonornicotine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
N-Nitrososarcosine
Norethisterone
*Oestradiol-17*β
Oestrone
Oil orange SS
Panfuran S (Dihydroxymethylfuratrizine)
Phenacetin
Phenazopyridine
Phenoxybenzamine and its hydrochloride

Polychlorinated biphenyls
Ponceau MX
Ponceau 3R
Procarbazine
Progesterone
1,3-Propane sultone
β-Propiolactone
Propylthiouracil
Safrole
Sintered calcium chromate
Sintered chromium trioxide
Sodium saccharin
Soots, tars and oils
Sterigmatocystin
Streptozotocin
Strontium chromate
Testosterone and its esters
Tetrachlorodibenzo-para-*dioxin (TCDD)*
Thioacetamide
4,4′-Thiodianiline
Thiourea
ortho-*Toluidine*
Toxaphene (polychlorinated camphenes)
2,4,6-Trichlorophenol
Tris(1-aziridinyl)phosphine sulphate (Thiotepa)
Tris(2,3-dibromopropyl)phosphate
Trypan blue (commercial grade)
Uracil mustard
Urethane
Vinyl chloride
Zinc beryllium silicate
Zinc chromate