

## Agents Classified by the *IARC Monographs*, Volumes 1–102

| CAS No                     | Agent   | Group | Volume             | Year    |
|----------------------------|---|-------|--------------------|---------|
| 000050-00-0                | Formaldehyde  | 1     | 88, 100F           | in prep |
| 000050-06-6                | Phenobarbital   | 2B    | 79                 | 2001    |
| 000050-07-7                | Mitomycin C   | 2B    | 10, Sup 7          | 1987    |
| 000050-18-0<br>006055-19-2 | Cyclophosphamide  | 1     | 26, Sup 7,<br>100A | 2011    |
| 000050-29-3                | DDT (4,4'-Dichlorodiphenyltrichloroethane)  | 2B    | 53                 | 1991    |
| 000050-32-8                | Benzo[ <i>a</i> ]pyrene<br>(NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)              | 1     | 92, 100F           | in prep |
| 000050-33-9                | Phenylbutazone  | 3     | 13, Sup 7          | 1987    |
| 000050-41-9                | Clomiphene citrate  | 3     | 21, Sup 7          | 1987    |
| 000050-44-2                | 6-Mercaptopurine  | 3     | 26, Sup 7          | 1987    |
| 000050-55-5                | Reserpine   | 3     | 24, Sup 7          | 1987    |
| 000050-76-0                | Actinomycin D   | 3     | 10, Sup 7          | 1987    |
| 000051-02-5                | Pronetalol hydrochloride  | 3     | 13, Sup 7          | 1987    |
| 000051-03-6                | Piperonyl butoxide  | 3     | 30, Sup 7          | 1987    |
| 000051-18-3                | 2,4,6-Tris(1-aziridinyl)- <i>s</i> -triazine  | 3     | 9, Sup 7           | 1987    |
| 000051-21-8                | 5-Fluorouracil  | 3     | 26, Sup 7          | 1987    |
| 000051-52-5                | Propylthiouracil  | 2B    | 79                 | 2001    |
| 000051-75-2                | Nitrogen mustard  | 2A    | 9, Sup 7           | 1987    |
| 000051-79-6                | Ethyl carbamate (Urethane)  | 2A    | 7, Sup 7, 96       | 2010    |
| 000052-01-7                | Spirolactone  | 3     | 79                 | 2001    |
| 000052-24-4                | Thiotepa  | 1     | 50, 100A           | 2011    |
| 000052-46-0                | Apholate  | 3     | 9, Sup 7           | 1987    |
| 000052-68-6                | Trichlorfon   | 3     | 30, Sup 7          | 1987    |
| 000053-03-2                | Prednisone  | 3     | 26, Sup 7          | 1987    |
| 000053-70-3                | Dibenz[ <i>a,h</i> ]anthracene<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 92                 | 2010    |
| 000054-05-7                | Chloroquine   | 3     | 13, Sup 7          | 1987    |
| 000054-31-9                | Furosemide (Frusemide)  | 3     | 50                 | 1990    |
| 000054-85-3                | Isonicotinic acid hydrazide (Isoniazid)   | 3     | 4, Sup 7           | 1987    |
| 000055-18-5                | <i>N</i> -Nitrosodiethylamine<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)  | 2A    | 17, Sup 7          | 1987    |
| 000055-98-1                | Busulfan  | 1     | 4, Sup 7,<br>100A  | 2011    |
| 000055-98-1                | 1,4-Butanediol dimethanesulfonate (see Busulfan)  |       |                    |         |
| 000055-98-1                | Myleran (see Busulfan)  |       |                    |         |
| 000056-04-2                | Methylthiouracil  | 2B    | 79                 | 2001    |
| 000056-23-5                | Carbon tetrachloride  | 2B    | 20, Sup 7, 71      | 1999    |
| 000056-25-7                | Cantharidin   | 3     | 10, Sup 7          | 1987    |
| 000056-38-2                | Parathion   | 3     | 30, Sup 7          | 1987    |
| 000056-53-1                | Diethylstilbestrol  | 1     | 21, Sup 7,<br>100A | 2011    |
| 000056-55-3                | Benz[ <i>a</i> ]anthracene  | 2B    | 92                 | 2010    |
| 000056-75-7                | Chloramphenicol<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                | 2A    | 50                 | 1990    |
| 000057-06-7                | Allyl isothiocyanate  | 3     | 73                 | 1999    |

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|-------------|---|-------|-----------------|---------|
| 000057-14-7 | 1,1-Dimethylhydrazine   | 2B    | 4, Sup 7, 71    | 1999    |
| 000057-39-6 | Tris(2-methyl-1-aziridinyl)phosphine oxide  | 3     | 9, Sup 7        | 1987    |
| 000057-41-0 | Phenytoin   | 2B    | 66              | 1996    |
| 000057-57-8 | beta-Propiolactone  | 2B    | 4, Sup 7, 71    | 1999    |
| 000057-68-1 | Sulfamethazine<br>(NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)                | 3     | 79              | 2001    |
| 000057-74-9 | Chlordane   | 2B    | 79              | 2001    |
| 000057-88-5 | Cholesterol   | 3     | 31, Sup 7       | 1987    |
| 000058-08-2 | Caffeine  | 3     | 51              | 1991    |
| 000058-14-0 | Pyrimethamine   | 3     | 13, Sup 7       | 1987    |
| 000058-55-9 | Theophylline  | 3     | 51              | 1991    |
| 000058-93-5 | Hydrochlorothiazide   | 3     | 50              | 1990    |
| 000059-05-2 | Methotrexate  | 3     | 26, Sup 7       | 1987    |
| 000059-87-0 | Nitrofurural (Nitrofurazone)  | 3     | 50              | 1990    |
| 000059-89-2 | <i>N</i> -Nitrosomorpholine   | 2B    | 17, Sup 7       | 1987    |
| 000060-09-3 | <i>para</i> -Aminoazobenzene  | 2B    | 8, Sup 7        | 1987    |
| 000060-11-7 | <i>para</i> -Dimethylaminoazobenzene  | 2B    | 8, Sup 7        | 1987    |
| 000060-35-5 | Acetamide   | 2B    | 7, Sup 7, 71    | 1999    |
| 000060-56-0 | Methimazole   | 3     | 79              | 2001    |
| 000060-57-1 | Dieldrin  | 3     | 5, Sup 7        | 1987    |
| 000061-57-4 | Niridazole  | 2B    | 13, Sup 7       | 1987    |
| 000061-82-5 | Amitrole<br>(NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)                      | 3     | 79              | 2001    |
| 000062-44-2 | Phenacetin<br>(NB: Overall evaluation upgraded to Group 1 with supporting evidence from other relevant data)                      | 1     | 24, Sup 7, 100A | 2011    |
| 000062-50-0 | Ethyl methanesulfonate  | 2B    | 7, Sup 7        | 1987    |
| 000062-53-3 | Aniline   | 3     | 27, Sup 7       | 1987    |
| 000062-55-5 | Thioacetamide   | 2B    | 7, Sup 7        | 1987    |
| 000062-56-6 | Thiourea  | 3     | 79              | 2001    |
| 000062-73-7 | Dichlorvos  | 2B    | 53              | 1991    |
| 000062-75-9 | <i>N</i> -Nitrosodimethylamine<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 17, Sup 7       | 1987    |
| 000063-25-2 | Carbaryl  | 3     | 12, Sup 7       | 1987    |
| 000063-92-3 | Phenoxybenzamine hydrochloride  | 2B    | 24, Sup 7       | 1987    |
| 000064-17-5 | Ethanol in alcoholic beverages  | 1     | 96, 100E        | in prep |
| 000064-67-5 | Diethyl sulfate<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                | 2A    | 54, 71          | 1999    |
| 000066-27-3 | Methyl methanesulfonate<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)        | 2A    | 7, Sup 7, 71    | 1999    |
| 000066-75-1 | Uracil mustard  | 2B    | 9, Sup 7        | 1987    |
| 000067-20-9 | Nitrofurantoin  | 3     | 50              | 1990    |
| 000067-45-8 | Furazolidone  | 3     | 31, Sup 7       | 1987    |
| 000067-63-0 | Isopropyl alcohol   | 3     | 15, Sup 7, 71   | 1999    |
| 000067-66-3 | Chloroform  | 2B    | 73              | 1999    |
| 000067-72-1 | Hexachloroethane  | 2B    | 73              | 1999    |
| 000068-12-2 | Dimethylformamide   | 3     | 47, 71          | 1999    |

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| 000068-76-8 | Tris(aziridiny)- <i>para</i> -benzoquinone (Triaziquone)  | 3     | 9, Sup 7           | 1987    |
| 000069-53-4 | Ampicillin  | 3     | 50                 | 1990    |
| 000070-25-7 | <i>N</i> -Methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine (MNNG)<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)  | 2A    | 4, Sup 7           | 1987    |
| 000070-30-4 | Hexachlorophene   | 3     | 20, Sup 7          | 1987    |
| 000071-43-2 | Benzene   | 1     | 29, Sup 7.<br>100F | in prep |
| 000071-55-6 | 1,1,1-Trichloroethane   | 3     | 20, Sup 7, 71      | 1999    |
| 000071-58-9 | Medroxyprogesterone acetate   | 2B    | 21, Sup 7          | 1987    |
| 000072-20-8 | Endrin  | 3     | 5, Sup 7           | 1987    |
| 000072-43-5 | Methoxychlor  | 3     | 20, Sup 7          | 1987    |
| 000072-57-1 | Trypan blue   | 2B    | 8, Sup 7           | 1987    |
| 000074-83-9 | Methyl bromide  | 3     | 41, Sup 7, 71      | 1999    |
| 000074-85-1 | Ethylene  | 3     | 60                 | 1994    |
| 000074-87-3 | Methyl chloride   | 3     | 41, Sup 7, 71      | 1999    |
| 000074-88-4 | Methyl iodide   | 3     | 41, Sup 7, 71      | 1999    |
| 000074-96-4 | Bromoethane   | 3     | 52, 71             | 1999    |
| 000075-00-3 | Chloroethane  | 3     | 52, 71             | 1999    |
| 000075-01-4 | Vinyl chloride  | 1     | 97, 100F           | in prep |
| 000075-02-5 | Vinyl fluoride<br>(NB: (1) Overall evaluation upgraded to Group 2A based on mechanistic and other relevant data;<br>(2) For practical purposes, vinyl fluoride should be considered to act similarly to the human carcinogen vinyl chloride.) | 2A    | 63, 97             | 2008    |
| 000075-07-0 | Acetaldehyde  | 2B    | 36, Sup 7, 71      | 1999    |
| 000075-07-0 | Acetaldehyde associated with consumption of alcoholic beverages   | 1     | 100E               | in prep |
| 000075-09-2 | Dichloromethane (Methylene chloride)  | 2B    | 71                 | 1999    |
| 000075-21-8 | Ethylene oxide<br>(NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)   | 1     | 97, 100F           | in prep |
| 000075-25-2 | Bromoform   | 3     | 52, 71             | 1999    |
| 000075-27-4 | Bromodichloromethane  | 2B    | 52, 71             | 1999    |
| 000075-35-4 | Vinylidene chloride   | 3     | 39, Sup 7, 71      | 1999    |
| 000075-38-7 | Vinylidene fluoride   | 3     | 39, Sup 7, 71      | 1999    |
| 000075-45-6 | Chlorodifluoromethane   | 3     | 41, Sup 7, 71      | 1999    |
| 000075-52-5 | Nitromethane  | 2B    | 77                 | 2000    |
| 000075-55-8 | 2-Methylaziridine (Propyleneimine)  | 2B    | 9, Sup 7, 71       | 1999    |
| 000075-56-9 | Propylene oxide   | 2B    | 60                 | 1994    |
| 000075-60-5 | Dimethylarsenic acid  | 2B    | 100C               | in prep |
| 000075-87-6 | Chloral   | 3     | 63                 | 1995    |
| 000075-88-7 | 2-Chloro-1,1,1-trifluoroethane  | 3     | 41, Sup 7, 71      | 1999    |
| 000076-01-7 | Pentachloroethane   | 3     | 41, Sup 7, 71      | 1999    |
| 000076-03-9 | Trichloroacetic acid  | 3     | 84                 | 2004    |
| 000076-44-8 | Heptachlor  | 2B    | 79                 | 2001    |
| 000077-09-8 | Phenolphthalein   | 2B    | 76                 | 2000    |
| 000077-78-1 | Dimethyl sulfate<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)   | 2A    | 4, Sup 7, 71       | 1999    |
| 000078-79-5 | Isoprene  | 2B    | 60, 71             | 1999    |

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|----------------------------|---|-------|---------------|---------|
| 000078-87-5                | 1,2-Dichloropropane   | 3     | 41, Sup 7, 71 | 1999    |
| 000078-98-8                | Methylglyoxal   | 3     | 51            | 1991    |
| 000079-00-5                | 1,1,2-Trichloroethane   | 3     | 52, 71        | 1999    |
| 000079-01-6                | Trichloroethylene   | 2A    | 63            | 1995    |
| 000079-06-1                | Acrylamide<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                 | 2A    | 60            | 1994    |
| 000079-10-7                | Acrylic acid  | 3     | 19, Sup 7, 71 | 1999    |
| 000079-34-5                | 1,1,2,2-Tetrachloroethane   | 3     | 20, Sup 7, 71 | 1999    |
| 000079-43-6                | Dichloroacetic acid   | 2B    | 84            | 2004    |
| 000079-44-7                | Dimethylcarbamoyl chloride<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 12, Sup 7, 71 | 1999    |
| 000079-46-9                | 2-Nitropropane  | 2B    | 29, Sup 7, 71 | 1999    |
| 000080-08-0                | Dapsone   | 3     | 24, Sup 7     | 1987    |
| 000080-62-6                | Methyl methacrylate   | 3     | 60            | 1994    |
| 000081-07-2                | Saccharin and its salts<br>(NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)   | 3     | 73            | 1999    |
| 000081-15-2                | Musk xylene   | 3     | 65            | 1996    |
| 000081-49-2                | 1-Amino-2,4-dibromoanthraquinone  | 2B    | 101           | in prep |
| 000081-88-9                | Rhodamine B   | 3     | 16, Sup 7     | 1987    |
| 000082-28-0                | 1-Amino-2-methylantraquinone  | 3     | 27, Sup 7     | 1987    |
| 000082-68-8                | Quintozene (Pentachloronitrobenzene)  | 3     | 5, Sup 7      | 1987    |
| 000083-32-9                | Acenaphthene  | 3     | 92            | 2010    |
| 000083-63-6                | Diacetylaminoazotoluene   | 3     | 8, Sup 7      | 1987    |
| 000083-66-9                | Musk ambrette   | 3     | 65            | 1996    |
| 000083-67-0                | Theobromine   | 3     | 51            | 1991    |
| 000084-65-1                | Anthraquinone   | 2B    | 101           | in prep |
| 000085-01-8                | Phenanthrene  | 3     | 92            | 2010    |
| 000085-68-7                | Butyl benzyl phthalate  | 3     | 73            | 1999    |
| 000085-83-6                | Scarlet Red   | 3     | 8, Sup 7      | 1987    |
| 000085-84-7                | Yellow AB   | 3     | 8, Sup 7      | 1987    |
| 000085-86-9                | Sudan III   | 3     | 8, Sup 7      | 1987    |
| 000086-30-6                | <i>N</i> -Nitrosodiphenylamine  | 3     | 27, Sup 7     | 1987    |
| 000086-54-4                | Hydralazine   | 3     | 24, Sup 7     | 1987    |
| 000086-57-7                | 1-Nitronaphthalene  | 3     | 46            | 1989    |
| 000086-73-7                | Fluorene  | 3     | 92            | 2010    |
| 000086-74-8                | Carbazole   | 3     | 32, Sup 7, 71 | 1999    |
| 000086-88-4                | 1-Naphthylthiourea (ANTU)   | 3     | 30, Sup 7     | 1987    |
| 000087-29-6                | Cinnamyl anthranilate   | 3     | 77            | 2000    |
| 000087-62-7                | 2,6-Dimethylaniline (2,6-Xylidine)  | 2B    | 57            | 1993    |
| 000087-68-3                | Hexachlorobutadiene   | 3     | 73            | 1999    |
| 000087-86-5                | Pentachlorophenol (see Polychlorophenols)   |       | 53, 71        | 1999    |
| 000088-05-1                | 2,4,6-Trimethylaniline  | 3     | 27, Sup 7     | 1987    |
| 000088-12-0                | <i>N</i> -Vinyl-2-pyrrolidone   | 3     | 19, Sup 7, 71 | 1999    |
| 000088-72-2                | 2-Nitrotoluene<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)             | 2A    | 101           | in prep |
| 000099-08-1<br>000099-99-0 | Nitrotoluenes   | 3     | 65            | 1996    |

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|-------------|--|-------|---------------------|---------|
| 000088-73-3 |  |       |                     |         |
| 000121-73-3 | Chloronitrobenzenes  | 3     | 65                  | 1996    |
| 000100-00-5 |  |       |                     |         |
| 000090-04-0 | <i>ortho</i> -Anisidine  | 2B    | 73                  | 1999    |
| 000090-43-7 | <i>ortho</i> -Phenylphenol   | 3     | 73                  | 1999    |
| 000090-65-3 | Penicillic acid  | 3     | 10, Sup 7           | 1987    |
| 000090-94-8 | Michler's ketone [4,4'-Bis(dimethylamino)benzophenone]   | 2B    | 99                  | 2010    |
| 000091-20-3 | Naphthalene  | 2B    | 82                  | 2002    |
| 000091-23-6 | 2-Nitroanisole   | 2B    | 65                  | 1996    |
| 000091-59-8 | 2-Naphthylamine  | 1     | 4, Sup 7, 99, 100F  | in prep |
| 000091-64-5 | Coumarin   | 3     | 77                  | 2000    |
| 000091-93-0 | 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  | 3     | 39, Sup 7           | 1987    |
| 000091-94-1 | 3,3'-Dichlorobenzidine   | 2B    | 29, Sup 7           | 1987    |
| 000092-67-1 | 4-Aminobiphenyl  | 1     | 1, Sup 7, 99, 100F  | in prep |
| 000092-87-5 | Benzidine  | 1     | 29, Sup 7, 99, 100F | in prep |
| 000092-93-3 | 4-Nitrobiphenyl  | 3     | 4, Sup 7            | 1987    |
| 000093-15-2 | Methyleugenol  | 2B    | 101                 | in prep |
| 000094-36-0 | Benzoyl peroxide   | 3     | 36, Sup 7, 71       | 1999    |
| 000094-58-6 | Dihydrosafrole   | 2B    | 10, Sup 7           | 1987    |
| 000094-59-7 | Safrole  | 2B    | 10, Sup 7           | 1987    |
| 000095-06-7 | Sulfallate   | 2B    | 30, Sup 7           | 1987    |
| 000095-50-1 | <i>ortho</i> -Dichlorobenzene  | 3     | 73                  | 1999    |
| 000095-53-4 | <i>ortho</i> -Toluidine  | 1     | 77, 99, 100F        | in prep |
| 000095-68-1 | 2,4-Xylidine   | 3     | 16, Sup 7           | 1987    |
| 000095-69-2 | 4-Chloro- <i>ortho</i> -toluidine  | 2A    | 77, 99              | 2010    |
| 000095-70-5 | 2,5-Diaminotoluene   | 3     | 16, Sup 7           | 1987    |
| 000095-78-3 | 2,5-Xylidine   | 3     | 16, Sup 7           | 1987    |
| 000095-79-4 | 5-Chloro- <i>ortho</i> -toluidine  | 3     | 77, 99              | 2010    |
| 000095-80-7 | 2,4-Diaminotoluene   | 2B    | 16, Sup 7           | 1987    |
| 000095-83-0 | 4-Chloro- <i>ortho</i> -phenylenediamine   | 2B    | 27, Sup 7           | 1987    |
| 000096-09-3 | Styrene-7,8-oxide<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 60                  | 1994    |
| 000096-12-8 | 1,2-Dibromo-3-chloropropane  | 2B    | 20, Sup 7, 71       | 1999    |
| 000096-13-9 | 2,3-Dibromopropan-1-ol   | 2B    | 77                  | 2000    |
| 000096-18-4 | 1,2,3-Trichloropropane   | 2A    | 63                  | 1995    |
| 000096-23-1 | 1,3-Dichloro-2-propanol  | 2B    | 101                 | in prep |
| 000096-24-2 | 3-Monochloro-1,2-propanediol   | 2B    | 101                 | in prep |
| 000096-33-3 | Methyl acrylate  | 3     | 39, Sup 7, 71       | 1999    |
| 000096-45-7 | Ethylenethiourea<br>(NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data) | 3     | 79                  | 2001    |
| 000096-48-0 | gamma-Butyrolactone  | 3     | 11, Sup 7, 71       | 1999    |
| 000097-53-0 | Eugenol  | 3     | 36, Sup 7           | 1987    |
| 000097-56-3 | <i>ortho</i> -Aminoazotoluene  | 2B    | 8, Sup 7            | 1987    |
| 000097-77-8 | Disulfiram   | 3     | 12, Sup 7           | 1987    |
| 000098-01-1 | Furfural   | 3     | 63                  | 1995    |

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| 000098-87-3<br>000098-07-7<br>000100-44-7<br>000098-88-4 | alpha-Chlorinated toluenes (benzal chloride, benzotrichloride, benzyl chloride) and benzoyl chloride (combined exposures)              | 2A    | 29, Sup 7, 71 | 1999    |
| 000098-82-8  | Cumene   | 2B    | 101           | in prep |
| 000098-95-3  | Nitrobenzene   | 2B    | 65            | 1996    |
| 000099-55-8  | 5-Nitro- <i>ortho</i> -toluidine   | 3     | 48            | 1990    |
| 000099-56-9  | 1,2-Diamino-4-nitrobenzene   | 3     | 16, Sup 7     | 1987    |
| 000099-57-0  | 2-Amino-4-nitrophenol  | 3     | 57            | 1993    |
| 000099-59-2  | 5-Nitro- <i>ortho</i> -anisidine   | 3     | 27, Sup 7     | 1987    |
| 000099-80-9  | <i>N</i> -Methyl- <i>N</i> ,4-dinitrosoaniline   | 3     | 1, Sup 7      | 1987    |
| 000100-40-3  | 4-Vinylcyclohexene   | 2B    | 60            | 1994    |
| 000100-41-4  | Ethylbenzene   | 2B    | 77            | 2000    |
| 000100-42-5  | Styrene  | 2B    | 60, 82        | 2002    |
| 000100-75-4  | <i>N</i> -Nitrosopiperidine  | 2B    | 17, Sup 7     | 1987    |
| 000101-14-4  | 4,4'-Methylenebis(2-chloroaniline) (MOCA)<br>(NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data) | 1     | 57, 99, 100F  | in prep |
| 000101-21-3  | Chloropropham  | 3     | 12, Sup 7     | 1987    |
| 000101-25-7  | Dinitrosopentamethylenetetramine   | 3     | 11, Sup 7     | 1987    |
| 000101-61-1  | Michler's base [4,4'-methylenebis( <i>N,N</i> -dimethyl)-benzenamine]  | 2B    | 27, Sup 7, 99 | 2010    |
| 000101-68-8  | 4,4'-Methylenediphenyl diisocyanate  | 3     | 19, Sup 7, 71 | 1999    |
| 000101-77-9  | 4,4'-Methylenedianiline  | 2B    | 39, Sup 7     | 1987    |
| 000101-80-4  | 4,4'-Diaminodiphenyl ether   | 2B    | 29, Sup 7     | 1987    |
| 000101-90-6  | Diglycidyl resorcinol ether  | 2B    | 36, Sup 7, 71 | 1999    |
| 000102-50-1  | <i>meta</i> -Cresidine   | 3     | 27, Sup 7     | 1987    |
| 000102-71-6  | Triethanolamine  | 3     | 77            | 2000    |
| 000103-03-7  | Phenicarbazide   | 3     | 12, Sup 7     | 1987    |
| 000103-11-7  | 2-Ethylhexyl acrylate  | 3     | 60            | 1994    |
| 000103-23-1  | Di(2-ethylhexyl) adipate   | 3     | 77            | 2000    |
| 000103-33-3  | Azobenzene   | 3     | 8, Sup 7      | 1987    |
| 000103-90-2  | Acetaminophen (see Paracetamol)  |       |               |         |
| 000103-90-2  | Paracetamol (Acetaminophen)  | 3     | 73            | 1999    |
| 000104-94-9  | <i>para</i> -Anisidine   | 3     | 27, Sup 7     | 1987    |
| 000105-11-3  | <i>para</i> -Benzoquinone dioxime  | 3     | 29, Sup 7, 71 | 1999    |
| 000105-55-5  | <i>N,N</i> -Diethylthiourea  | 3     | 79            | 2001    |
| 000105-60-2  | Caprolactam  | 4     | 39, Sup 7, 71 | 1999    |
| 000105-74-8  | Lauroyl peroxide   | 3     | 36, Sup 7, 71 | 1999    |
| 000106-46-7  | <i>para</i> -Dichlorobenzene   | 2B    | 73            | 1999    |
| 000106-47-8  | <i>para</i> -Chloroaniline   | 2B    | 57            | 1993    |
| 000106-50-3  | <i>para</i> -Phenylenediamine  | 3     | 16, Sup 7     | 1987    |
| 000106-51-4  | <i>para</i> -Quinone   | 3     | 15, Sup 7, 71 | 1999    |
| 000106-87-6  | 4-Vinylcyclohexene diepoxide   | 2B    | 60            | 1994    |
| 000106-88-7  | 1,2-Epoxybutane<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)                     | 2B    | 47, 71        | 1999    |
| 000106-89-8  | Epichlorohydrin<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                     | 2A    | 11, Sup 7, 71 | 1999    |

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|-------------|---|-------|---------------|---------|
| 000106-93-4 | Ethylene dibromide<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 15, Sup 7, 71 | 1999    |
| 000106-99-0 | 1,3-Butadiene   | 1     | 97, 100F      | in prep |
| 000107-02-8 | Acrolein  | 3     | 63            | 1995    |
| 000107-05-1 | Allyl chloride  | 3     | 36, Sup 7, 71 | 1999    |
| 000107-06-2 | 1,2-Dichloroethane  | 2B    | 20, Sup 7, 71 | 1999    |
| 000107-13-1 | Acrylonitrile   | 2B    | 71            | 1999    |
| 000107-14-2 | Chloroacetonitrile  | 3     | 52, 71        | 1999    |
| 000107-30-2 | Chloromethyl methyl ether (see Bis(chloromethyl)ether; chloromethyl methyl ether)                                     |       |               |         |
| 000108-05-4 | Vinyl acetate   | 2B    | 63            | 1995    |
| 000108-10-1 | Methyl isobutyl ketone  | 2B    | 101           | in prep |
| 000108-30-5 | Succinic anhydride  | 3     | 15, Sup 7     | 1987    |
| 000108-45-2 | <i>meta</i> -Phenylenediamine   | 3     | 16, Sup 7     | 1987    |
| 000108-46-3 | Resorcinol  | 3     | 15, Sup 7, 71 | 1999    |
| 000108-60-1 | Bis(2-chloro-1-methylethyl)ether  | 3     | 41, Sup 7, 71 | 1999    |
|             | Melamine  |       |               |         |
| 000108-78-1 | (NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)                      | 3     | 73            | 1999    |
| 000108-88-3 | Toluene   | 3     | 47, 71        | 1999    |
| 000108-94-1 | Cyclohexanone   | 3     | 47, 71        | 1999    |
| 000108-95-2 | Phenol  | 3     | 47, 71        | 1999    |
| 000110-00-9 | Furan   | 2B    | 63            | 1995    |
| 000110-57-6 | <i>trans</i> -1,4-Dichlorobutene  | 3     | 15, Sup 7, 71 | 1999    |
| 000110-86-1 | Pyridine  | 3     | 77            | 2000    |
| 000110-91-8 | Morpholine  | 3     | 47, 71        | 1999    |
| 000111-42-2 | Diethanolamine  | 2B    | 77, 101       | 2000    |
| 000111-44-4 | Bis(2-chloroethyl)ether   | 3     | 9, Sup 7, 71  | 1999    |
| 000111-76-2 | 2-Butoxyethanol   | 3     | 88            | 2006    |
| 000115-02-6 | Azaserine   | 2B    | 10, Sup 7     | 1987    |
| 000115-07-1 | Propylene   | 3     | 60            | 1994    |
| 000115-28-6 | Chlorendic acid   | 2B    | 48            | 1990    |
| 000115-32-2 | Dicofol   | 3     | 30, Sup 7     | 1987    |
| 000115-96-8 | Tris(2-chloroethyl) phosphate   | 3     | 48, 71        | 1999    |
| 000116-06-3 | Aldicarb  | 3     | 53            | 1991    |
| 000116-14-3 | Tetrafluoroethylene   | 2B    | 19, Sup 7, 71 | 1999    |
| 000117-10-2 | Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)   | 2B    | 50            | 1990    |
| 000117-39-5 | Quercetin   | 3     | 73            | 1999    |
| 000117-79-3 | 2-Aminoanthraquinone  | 3     | 27, Sup 7     | 1987    |
| 000117-81-7 | Bis(2-ethylhexyl)phthalate (see Di(2-ethylhexyl)phthalate)  |       |               |         |
| 000117-81-7 | Di(2-ethylhexyl)phthalate   | 2B    | 77, 101       | in prep |
| 000118-74-1 | Hexachlorobenzene   | 2B    | 79            | 2001    |
| 000118-92-3 | Anthranilic acid  | 3     | 16, Sup 7     | 1987    |
| 000118-96-7 | 2,4,6-Trinitrotoluene   | 3     | 65            | 1996    |
| 000119-34-6 | 4-Amino-2-nitrophenol   | 3     | 16, Sup 7     | 1987    |
| 000119-61-9 | Benzophenone  | 2B    | 101           | in prep |
| 000119-90-4 | 3,3'-Dimethoxybenzidine ( <i>ortho</i> -Dianisidine)  | 2B    | 4, Sup 7      | 1987    |
| 000119-93-7 | 3,3'-Dimethylbenzidine ( <i>ortho</i> -Tolidine)  | 2B    | 1, Sup 7      | 1987    |
| 000120-12-7 | Anthracene  | 3     | 92            | 2010    |
| 000120-58-1 | Isosafrole  | 3     | 10, Sup 7     | 1987    |
| 000120-71-8 | <i>para</i> -Cresidine  | 2B    | 27, Sup 7     | 1987    |

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| 000120-80-9 | Catechol   | 2B    | 15, Sup 7, 71 | 1999    |
| 000121-14-2 | 2,4-Dinitrotoluene   | 2B    | 65            | 1996    |
| 000121-66-4 | 2-Amino-5-nitrothiazole  | 3     | 31, Sup 7     | 1987    |
| 000121-69-7 | <i>N,N</i> -Dimethylaniline  | 3     | 57            | 1993    |
| 000121-75-5 | Malathion  | 3     | 30, Sup 7     | 1987    |
| 000121-88-0 | 2-Amino-5-nitrophenol  | 3     | 57            | 1993    |
| 000122-34-9 | Simazine   | 3     | 73            | 1999    |
| 000122-42-9 | Propham  | 3     | 12, Sup 7     | 1987    |
| 000122-60-1 | Phenyl glycidyl ether  | 2B    | 47, 71        | 1999    |
| 000123-31-9 | Hydroquinone   | 3     | 15, Sup 7, 71 | 1999    |
| 000123-33-1 | Maleic hydrazide   | 3     | 4, Sup 7      | 1987    |
| 000123-91-1 | 1,4-Dioxane  | 2B    | 11, Sup 7, 71 | 1999    |
| 000124-48-1 | Chlorodibromomethane   | 3     | 52, 71        | 1999    |
| 000124-58-3 | Methylarsonic acid   | 2B    | 100C          | in prep |
| 000126-07-8 | Griseofulvin   | 2B    | 79            | 2001    |
| 000126-72-7 | Tris(2,3-dibromopropyl) phosphate<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 20, Sup 7, 71 | 1999    |
| 000126-85-2 | Nitrogen mustard <i>N</i> -oxide   | 2B    | 9, Sup 7      | 1987    |
| 000126-99-8 | Chloroprene  | 2B    | 71            | 1999    |
| 000127-07-1 | Hydroxyurea  | 3     | 76            | 2000    |
| 000127-18-4 | Tetrachloroethylene (Perchloroethylene)  | 2A    | 63            | 1995    |
| 000127-69-5 | Sulfafurazole (Sulfisoxazole)  | 3     | 24, Sup 7     | 1987    |
| 000128-37-0 | Butylated hydroxytoluene (BHT)   | 3     | 40, Sup 7     | 1987    |
| 000128-66-5 | Vat Yellow 4   | 3     | 48            | 1990    |
| 000129-00-0 | Pyrene   | 3     | 92            | 2010    |
| 000129-15-7 | 2-Methyl-1-nitroanthraquinone (uncertain purity)   | 2B    | 27, Sup 7     | 1987    |
| 000129-17-9 | Blue VRS   | 3     | 16, Sup 7     | 1987    |
| 000129-20-4 | Oxyphenbutazone  | 3     | 13, Sup 7     | 1987    |
| 000129-43-1 | 1-Hydroxyanthraquinone   | 2B    | 82            | 2002    |
| 000131-79-3 | Yellow OB  | 3     | 8, Sup 7      | 1987    |
| 000132-27-4 | Sodium <i>ortho</i> -phenylphenate   | 2B    | 73            | 1999    |
| 000133-06-2 | Captan   | 3     | 30, Sup 7     | 1987    |
| 000134-32-7 | 1-Naphthylamine  | 3     | 4, Sup 7      | 1987    |
| 000135-88-6 | <i>N</i> -Phenyl-2-naphthylamine   | 3     | 16, Sup 7     | 1987    |
| 000136-40-3 | Phenazopyridine hydrochloride  | 2B    | 24, Sup 7     | 1987    |
| 000137-17-7 | 2,4,5-Trimethylaniline   | 3     | 27, Sup 7     | 1987    |
| 000137-26-8 | Thiram   | 3     | 53            | 1991    |
| 000137-30-4 | Ziram  | 3     | 53            | 1991    |
| 000138-59-0 | Shikimic acid  | 3     | 40, Sup 7     | 1987    |
| 000139-05-9 | Cyclamates (sodium cyclamate)  | 3     | 73            | 1999    |
| 000139-13-9 | Nitrilotriacetic acid and its salts<br>(NB: Evaluated as a group)  | 2B    | 73            | 1999    |
| 000139-65-1 | 4,4'-Thiodianiline   | 2B    | 27, Sup 7     | 1987    |
| 000139-94-6 | Nithiazide   | 3     | 31, Sup 7     | 1987    |
| 000140-11-4 | Benzyl acetate   | 3     | 40, Sup 7, 71 | 1999    |
| 000140-56-7 | <i>para</i> -Dimethylaminoazobenzenediazo sodium sulfonate   | 3     | 8, Sup 7      | 1987    |
| 000140-57-8 | Aramite®   | 2B    | 5, Sup 7      | 1987    |
| 000140-88-5 | Ethyl acrylate   | 2B    | 39, Sup 7, 71 | 1999    |
| 000141-32-2 | <i>n</i> -Butyl acrylate   | 3     | 39, Sup 7, 71 | 1999    |
| 000141-37-7 | 3,4-Epoxy-6-methylcyclohexylmethyl-3,4-epoxy-6-methylcyclo-hexanecarboxylate   | 3     | 11, Sup 7, 71 | 1999    |

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| 000141-90-2 | Thiouracil   | 2B    | 79                | 2001    |
| 000142-83-6 | 2,4-Hexadienal   | 2B    | 101               | in prep |
| 000143-50-0 | Chlordecone (Kepone)   | 2B    | 20, Sup 7         | 1987    |
| 000143-67-9 | Vinblastine sulfate  | 3     | 26, Sup 7         | 1987    |
| 000144-34-3 | Methyl selenac   | 3     | 12, Sup 7         | 1987    |
| 000148-18-5 | Sodium diethyldithiocarbamate  | 3     | 12, Sup 7         | 1987    |
| 000148-24-3 | 8-Hydroxyquinoline   | 3     | 13, Sup 7         | 1987    |
| 000148-82-3 | Melphalan  | 1     | 9, Sup 7,<br>100A | 2011    |
| 000149-29-1 | Patulin  | 3     | 40, Sup 7         | 1987    |
| 000150-13-0 | <i>para</i> -Aminobenzoic acid   | 3     | 16, Sup 7         | 1987    |
| 000150-68-5 | Monuron  | 3     | 53                | 1991    |
| 000150-69-6 | Dulcin   | 3     | 12, Sup 7         | 1987    |
| 000151-56-4 | Aziridine<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)                       | 2B    | 9, Sup 7, 71      | 1999    |
| 000154-93-8 | Bischloroethyl nitrosourea (BCNU)  | 2A    | 26, Sup 7         | 1987    |
| 000156-10-5 | <i>para</i> -Nitrosodiphenylamine  | 3     | 27, Sup 7         | 1987    |
| 000156-51-4 | Phenelzine sulfate   | 3     | 24, Sup 7         | 1987    |
| 000189-55-9 | Dibenzo[ <i>a,l</i> ]pyrene  | 2B    | 92                | 2010    |
| 000189-64-0 | Dibenzo[ <i>a,h</i> ]pyrene  | 2B    | 92                | 2010    |
| 000191-07-1 | Coronene   | 3     | 32, Sup 7         | 1987    |
| 000191-24-2 | Benzo[ <i>ghi</i> ]perylene  | 3     | 92                | 2010    |
| 000191-26-4 | Anthanthrene   | 3     | 92                | 2010    |
| 000191-30-0 | Dibenzo[ <i>a,l</i> ]pyrene<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)     | 2A    | 92                | 2010    |
| 000192-47-2 | Dibenzo[ <i>h,rsf</i> ]pentaphene  | 3     | 92                | 2010    |
| 000192-51-8 | Dibenzo[ <i>e,l</i> ]pyrene  | 3     | 92                | 2010    |
| 000192-65-4 | Dibenzo[ <i>a,e</i> ]pyrene  | 3     | 92                | 2010    |
| 000192-97-2 | Benzo[ <i>e</i> ]pyrene  | 3     | 92                | 2010    |
| 000193-09-9 | Naphtho[2,3- <i>e</i> ]pyrene  | 3     | 92                | 2010    |
| 000193-39-5 | Indeno[1,2,3- <i>cd</i> ]pyrene  | 2B    | 92                | 2010    |
| 000194-59-2 | 7 <i>H</i> -Dibenzo[ <i>c,g</i> ]carbazole   | 2B    | 32, Sup 7         | 1987    |
| 000195-19-7 | Benzo[ <i>c</i> ]phenanthrene<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)   | 2B    | 92                | 2010    |
| 000196-78-1 | Benzo[ <i>g</i> ]chrysene  | 3     | 92                | 2010    |
| 000198-55-0 | Perylene   | 3     | 92                | 2010    |
| 000202-33-5 | Benz[ <i>j</i> ]aceanthrylene<br>(NB: Overall evaluation upgraded to Group 2B with supporting mechanistic and other relevant data) | 2B    | 92                | 2010    |
| 000202-94-8 | 11 <i>H</i> -Benz[ <i>bc</i> ]aceanthrylene  | 3     | 92                | 2010    |
| 000202-98-2 | 4 <i>H</i> -Cyclopenta[ <i>def</i> ]chrysene   | 3     | 92                | 2010    |
| 000203-12-3 | Benzo[ <i>ghi</i> ]fluoranthene  | 3     | 92                | 2010    |
| 000203-20-3 | Naphtho[2,1- <i>a</i> ]fluoranthene  | 3     | 92                | 2010    |
| 000203-33-8 | Benzo[ <i>a</i> ]fluoranthene  | 3     | 92                | 2010    |
| 000205-12-9 | Benzo[ <i>c</i> ]fluorene  | 3     | 92                | 2010    |
| 000205-82-3 | Benzo[ <i>j</i> ]fluoranthene  | 2B    | 92                | 2010    |
| 000205-99-2 | Benzo[ <i>b</i> ]fluoranthene  | 2B    | 92                | 2010    |
| 000206-44-0 | Fluoranthene   | 3     | 92                | 2010    |
| 000207-08-9 | Benzo[ <i>k</i> ]fluoranthene  | 2B    | 92                | 2010    |

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|-------------|---|-------|-----------------|------|
| 000207-83-0 | 13 <i>H</i> -Dibenzo[ <i>a,g</i> ]fluorene  | 3     | 92              | 2010 |
| 000211-91-6 | Benz[ <i>l</i> ]aceanthrylene   | 3     | 92              | 2010 |
| 000213-46-7 | Picene  | 3     | 92              | 2010 |
| 000214-17-5 | Benzo[ <i>b</i> ]chrysene   | 3     | 92              | 2010 |
| 000215-58-7 | Dibenz[ <i>a,c</i> ]anthracene  | 3     | 92              | 2010 |
| 000217-59-4 | Triphenylene  | 3     | 92              | 2010 |
| 000218-01-9 | Chrysene  | 2B    | 92              | 2010 |
| 000224-41-9 | Dibenz[ <i>a,l</i> ]anthracene  | 3     | 92              | 2010 |
| 000224-42-0 | Dibenz[ <i>a,l</i> ]acridine  | 2B    | 32, Sup 7       | 1987 |
| 000225-11-6 | Benz[ <i>a</i> ]acridine  | 3     | 32, Sup 7       | 1987 |
| 000225-51-4 | Benz[ <i>c</i> ]acridine  | 3     | 32, Sup 7       | 1987 |
| 000226-36-8 | Dibenz[ <i>a,h</i> ]acridine  | 2B    | 32, Sup 7       | 1987 |
| 000238-84-6 | Benzo[ <i>a</i> ]fluorene   | 3     | 92              | 2010 |
| 000243-17-4 | Benzo[ <i>b</i> ]fluorene   | 3     | 92              | 2010 |
| 000262-12-4 | Dibenzo- <i>para</i> -dioxin  | 3     | 69              | 1997 |
| 000271-89-6 | Benzofuran  | 2B    | 63              | 1995 |
| 000298-00-0 | Methyl parathion  | 3     | 30, Sup 7       | 1987 |
| 000298-81-7 | Methoxsalen (8-methoxypsoralen) plus ultraviolet A radiation  | 1     | 24, Sup 7, 100A | 2011 |
| 000299-75-2 | Treosulfan  | 1     | 26, Sup 7, 100A | 2011 |
| 000302-01-2 | Hydrazine   | 2B    | 4, Sup 7, 71    | 1999 |
| 000302-17-0 | Chloral hydrate   | 3     | 84              | 2004 |
| 000303-34-4 | Lasiocarpine  | 2B    | 10, Sup 7       | 1987 |
| 000303-47-9 | Ochratoxin A  | 2B    | 56              | 1993 |
| 000305-03-3 | Chlorambucil  | 1     | 26, Sup 7, 100A | 2011 |
| 000309-00-2 | Aldrin  | 3     | 5, Sup 7        | 1987 |
| 000313-67-7 | Aristolochic acid<br>(NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)                | 1     | 82, 100A        | 2011 |
| 000313-67-7 | Aristolochic acid, plants containing  | 1     | 82, 100A        | 2011 |
| 000314-13-6 | Evans blue  | 3     | 8, Sup 7        | 1987 |
| 000315-18-4 | Zectran   | 3     | 12, Sup 7       | 1987 |
| 000315-22-0 | Monocrotaline   | 2B    | 10, Sup 7       | 1987 |
| 000320-67-2 | Azacitidine<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                | 2A    | 50              | 1990 |
| 000331-39-5 | Caffeic acid  | 2B    | 56              | 1993 |
| 000334-88-3 | Diazomethane  | 3     | 7, Sup 7        | 1987 |
| 000366-70-1 | Procarbazine hydrochloride<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 26, Sup 7       | 1987 |
| 000420-12-2 | Ethylene sulfide  | 3     | 11, Sup 7       | 1987 |
| 000439-14-5 | Diazepam  | 3     | 66              | 1996 |
| 000443-48-1 | Metronidazole   | 2B    | 13, Sup 7       | 1987 |
| 000446-86-6 | Azathioprine  | 1     | 26, Sup 7, 100A | 2011 |
| 000480-54-6 | Retrorsine  | 3     | 10, Sup 7       | 1987 |
| 000480-81-9 | Seneciophylline   | 3     | 10, Sup 7       | 1987 |

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| 000484-20-8 | 5-Methoxypsoralen<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)     | 2A    | 40, Sup 7             | 1987    |
| 000492-17-1 | 2,4'-Diphenyldiamine   | 3     | 16, Sup 7             | 1987    |
| 000492-80-8 | Auramine   | 2B    | 1, Sup 7, 99,<br>100F | in prep |
| 000493-52-7 | Methyl red   | 3     | 8, Sup 7              | 1987    |
| 000494-03-1 | <i>N,N</i> -Bis(2-chloroethyl)-2-naphthylamine (see Chlornaphazine)  |       |                       |         |
| 000494-03-1 | Chlornaphazine   | 1     | 4, Sup 7,<br>100A     | 2011    |
| 000494-38-2 | Acridine orange  | 3     | 16, Sup 7             | 1987    |
| 000501-30-4 | Kojic acid   | 3     | 79                    | 2001    |
| 000505-60-2 | Mustard gas (see Sulfur mustard)   |       |                       |         |
| 000505-60-2 | Sulfur mustard   | 1     | 9, Sup 7,<br>100F     | in prep |
| 000509-14-8 | Tetranitromethane  | 2B    | 65                    | 1996    |
| 000510-15-6 | Chlorobenzilate  | 3     | 30, Sup 7             | 1987    |
| 000513-37-1 | 1-Chloro-2-methylpropene   | 2B    | 63                    | 1995    |
| 000518-75-2 | Citrinin   | 3     | 40, Sup 7             | 1987    |
| 000520-18-3 | Kaempferol   | 3     | 31, Sup 7             | 1987    |
| 000523-44-4 | CI Acid Orange 20  | 3     | 8, Sup 7              | 1987    |
| 000523-44-4 | Orange I (see CI Acid Orange 20)   |       |                       |         |
| 000523-50-2 | Angelicin plus ultraviolet A radiation   | 3     | 40, Sup 7             | 1987    |
| 000531-76-0 | Merphalan  | 2B    | 9, Sup 7              | 1987    |
| 000531-82-8 | <i>N</i> -[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide   | 2B    | 7, Sup 7              | 1987    |
| 000532-82-1 | Chrysoidine  | 3     | 8, Sup 7              | 1987    |
| 000536-33-4 | Ethionamide  | 3     | 13, Sup 7             | 1987    |
| 000540-73-8 | 1,2-Dimethylhydrazine<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 4, Sup 7, 71          | 1999    |
| 000541-73-1 | <i>meta</i> -Dichlorobenzene   | 3     | 73                    | 1999    |
| 000542-75-6 | 1,3-Dichloropropene (technical-grade)  | 2B    | 41, Sup 7, 71         | 1999    |
| 000542-78-9 | Malonaldehyde  | 3     | 36, Sup 7, 71         | 1999    |
| 000542-88-1 | Bis(chloromethyl)ether; chloromethyl methyl ether  | 1     | 4, Sup 7,<br>100F     | in prep |
| 000107-30-2 | (technical-grade)  |       |                       |         |
| 000545-06-2 | Trichloroacetonitrile  | 3     | 52, 71                | 1999    |
| 000545-55-1 | Tris(1-aziridinyl)phosphine oxide  | 3     | 9, Sup 7              | 1987    |
| 000551-74-6 | Mannomustine dihydrochloride   | 3     | 9, Sup 7              | 1987    |
| 000555-84-0 | 1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone  | 2B    | 7, Sup 7              | 1987    |
| 000556-52-5 | Glycidol<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)              | 2A    | 77                    | 2000    |
| 000562-10-7 | Doxylamine succinate   | 3     | 79                    | 2001    |
| 000563-41-7 | Semicarbazide hydrochloride  | 3     | 12, Sup 7             | 1987    |
| 000563-47-3 | 3-Chloro-2-methylpropene   | 3     | 63                    | 1995    |
| 000569-61-9 | CI Basic Red 9   | 2B    | 57, 99                | 2010    |
| 000581-89-5 | 2-Nitronaphthalene   | 3     | 46                    | 1989    |
| 000592-62-1 | Methylazoxymethanol acetate  | 2B    | 10, Sup 7             | 1987    |

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| 000593-60-2 | Vinyl bromide<br>(NB: (1) Overall evaluation upgraded to Group 2A based on mechanistic and other relevant data; (2) For practical purposes, vinyl bromide should be considered to act similarly to the human carcinogen vinyl chloride.) | 2A    | 39, Sup 7, 71, 97 | 2008    |
| 000593-70-4 | Chlorofluoromethane  | 3     | 41, Sup 7, 71     | 1999    |
| 000598-55-0 | Methyl carbamate   | 3     | 12, Sup 7         | 1987    |
| 000602-60-8 | 9-Nitroanthracene  | 3     | 33, Sup 7         | 1987    |
| 000602-87-9 | 5-Nitroacenaphthene  | 2B    | 16, Sup 7         | 1987    |
| 000604-75-1 | Oxazepam   | 2B    | 66                | 1996    |
| 000606-20-2 | 2,6-Dinitrotoluene   | 2B    | 65                | 1996    |
| 000607-57-8 | 2-Nitrofluorene  | 2B    | 46                | 1989    |
| 000609-20-1 | 2,6-Dichloro- <i>para</i> -phenylenediamine  | 3     | 39, Sup 7         | 1987    |
| 000613-35-4 | <i>N,N'</i> -Diacetylbenzidine   | 2B    | 16, Sup 7         | 1987    |
| 000615-05-4 | 2,4-Diaminoanisole   | 2B    | 79                | 2001    |
| 000615-53-2 | <i>N</i> -Methyl- <i>N</i> -nitrosourea  | 2B    | 4, Sup 7          | 1987    |
| 000618-85-9 | 3,5-Dinitrotoluene   | 3     | 65                | 1996    |
| 000621-64-7 | <i>N</i> -Nitrosodi- <i>n</i> -propylamine   | 2B    | 17, Sup 7         | 1987    |
| 000627-12-3 | <i>n</i> -Propyl carbamate   | 3     | 12, Sup 7         | 1987    |
| 000630-20-6 | 1,1,1,2-Tetrachloroethane  | 3     | 41, Sup 7, 71     | 1999    |
| 000631-64-1 | Dibromoacetic acid   | 2B    | 101               | in prep |
| 000632-99-5 | Magenta  | 2B    | 57, 99, 100F      | in prep |
| 000637-07-0 | Clofibrate   | 3     | 66                | 1996    |
| 000641-48-5 | Dihydroaceanthrylene   | 3     | 92                | 2010    |
| 000680-31-9 | Hexamethylphosphoramide  | 2B    | 15, Sup 7, 71     | 1999    |
| 000684-93-5 | <i>N</i> -Methyl- <i>N</i> -nitrosourea<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)   | 2A    | 17, Sup 7         | 1987    |
| 000693-98-1 | 2-Methylimidazole  | 2B    | 101               | in prep |
| 000712-68-5 | 2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole  | 2B    | 7, Sup 7          | 1987    |
| 000723-46-6 | Sulfamethoxazole   | 3     | 79                | 2001    |
| 000759-73-9 | <i>N</i> -Ethyl- <i>N</i> -nitrosourea<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)  | 2A    | 17, Sup 7         | 1987    |
| 000765-34-4 | Glycidaldehyde   | 2B    | 11, Sup 7, 71     | 1999    |
| 000789-07-1 | 2-Nitropyrene  | 3     | 46                | 1989    |
| 000794-93-4 | Dihydroxymethylfuratrizine (see also Panfuran S)   | 3     | 24, Sup 7         | 1987    |
| 000794-93-4 | Panfuran S (containing dihydroxymethylfuratrizine)   | 2B    | 24, Sup 7         | 1987    |
| 000800-24-8 | Aziridyl benzoquinone  | 3     | 9, Sup 7          | 1987    |
| 000804-36-4 | Nitrovin   | 3     | 31, Sup 7         | 1987    |
| 000817-09-4 | Trichlormethine (Trimustine hydrochloride)   | 2B    | 50                | 1990    |
| 000822-36-6 | 4-Methylimidazole  | 2B    | 101               | in prep |
| 000828-00-2 | Dimethoxane  | 3     | 15, Sup 7         | 1987    |
| 000832-69-9 | 1-Methylphenanthrene   | 3     | 92                | 2010    |
| 000838-88-0 | 4,4'-Methylene bis(2-methylaniline)  | 2B    | 4, Sup 7          | 1987    |
| 000842-07-9 | Sudan I  | 3     | 8, Sup 7          | 1987    |
| 000846-50-4 | Temazepam  | 3     | 66                | 1996    |
| 000868-85-9 | Dimethyl hydrogen phosphite  | 3     | 48, 71            | 1999    |
| 000892-21-7 | 3-Nitrofluoranthene  | 3     | 33, Sup 7         | 1987    |
| 000915-67-3 | Amaranth   | 3     | 8, Sup 7          | 1987    |
| 000924-16-3 | <i>N</i> -Nitrosodi- <i>n</i> -butylamine  | 2B    | 17, Sup 7         | 1987    |

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|-------------|--|-------|-----------------|---------|
| 000930-55-2 | <i>N</i> -Nitrosopyrrolidine   | 2B    | 17, Sup 7       | 1987    |
| 000989-38-8 | Rhodamine 6G   | 3     | 16, Sup 7       | 1987    |
| 001072-52-2 | 2-(1-Aziridinyl)ethanol  | 3     | 9, Sup 7        | 1987    |
| 001116-54-7 | <i>N</i> -Nitrosodiethanolamine  | 2B    | 17, Sup 7, 77   | 2000    |
| 001120-71-4 | 1,3-Propane sultone  | 2B    | 4, Sup 7, 71    | 1999    |
| 001143-38-0 | Dithranol  | 3     | 13; Sup 7       | 1987    |
| 001163-19-5 | Decabromodiphenyl oxide  | 3     | 48, 71          | 1999    |
| 001303-00-0 | Gallium arsenide (see Arsenic and inorganic arsenic compounds)   |       | 86, 100C        | in prep |
| 001309-37-1 | Ferric oxide   | 3     | 1, Sup 7        | 1987    |
| 001309-64-4 | Antimony trioxide  | 2B    | 47              | 1989    |
| 001314-62-1 | Vanadium pentoxide   | 2B    | 86              | 2006    |
| 001317-60-8 | Haematite  | 3     | 1, Sup 7        | 1987    |
| 001318-02-1 | Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite, synthetic zeolites)      | 3     | 68              | 1997    |
| 001330-20-7 | Xylenes  | 3     | 47, 71          | 1999    |
| 001332-21-4 |  |       |                 |         |
| 013768-00-8 | Asbestos (all forms, including actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite)                       |       |                 |         |
| 012172-73-5 | (NB: Mineral substances (e.g. talc or vermiculite) that contain asbestos should also be regarded as carcinogenic to humans.) | 1     | 14, Sup 7, 100C | in prep |
| 017068-78-9 |  |       |                 |         |
| 012001-29-5 |  |       |                 |         |
| 012001-28-4 |  |       |                 |         |
| 014567-73-8 |  |       |                 |         |
| 001333-86-4 | Carbon black   | 2B    | 65, 93          | 2010    |
| 001336-36-3 | Polychlorinated biphenyls  | 2A    | 18, Sup 7       | 1987    |
| 001338-16-5 | Iron sorbitol-citric acid complex  | 3     | 2, Sup 7        | 1987    |
| 001345-04-6 | Antimony trisulfide  | 3     | 47              | 1989    |
| 001401-55-4 | Tannic acid and tannins  | 3     | 10, Sup 7       | 1987    |
| 001402-68-2 | Aflatoxins   | 1     | 56, 82, 100F    | in prep |
| 001464-53-5 | 1,2:3,4-Diepoxybutane (see <i>Monographs</i> on 1,3-Butadiene)   |       | 11, Sup 7       | 1987    |
| 001582-09-8 | Trifluralin  | 3     | 53              | 1991    |
| 001615-80-1 | 1,2-Diethylhydrazine   | 2B    | 4, Sup 7, 71    | 1999    |
| 001634-04-4 | Methyl <i>tert</i> -butyl ether  | 3     | 73              | 1999    |
| 001675-54-3 | Bisphenol A diglycidyl ether (Araldite )   | 3     | 47, 71          | 1999    |
| 001689-82-3 | 4-Hydroxyazobenzene  | 3     | 8, Sup 7        | 1987    |
| 001694-09-3 | Benzyl violet 4B   | 2B    | 16, Sup 7       | 1987    |
| 001705-85-7 | 6-Methylchrysene   | 3     | 92              | 2010    |
| 001706-01-0 | 3-Methylfluoranthene   | 3     | 92              | 2010    |
| 001746-01-6 | 2,3,7,8-Tetrachlorodibenzo- <i>para</i> -dioxin  | 1     | 69, 100F        | in prep |
| 001836-75-5 | Nitrofen (technical-grade)   | 2B    | 30, Sup 7       | 1987    |
| 001897-45-6 | Chlorothalonil   | 2B    | 73              | 1999    |
|             | Atrazine   |       |                 |         |
| 001912-24-9 | (NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)                             | 3     | 73              | 1999    |
| 001918-02-1 | Picloram   | 3     | 53              | 1991    |
| 001936-15-8 | CI Orange G  | 3     | 8, Sup 7        | 1987    |
| 001936-15-8 | Orange G (see CI Orange G)   |       |                 |         |
| 001937-37-7 | CI Direct Black 38 (see Benzidine, dyes metabolized to)  |       |                 |         |
| 001954-28-5 | Triethylene glycol diglycidyl ether  | 3     | 11, Sup 7, 71   | 1999    |
| 002068-78-2 | Vincristine sulfate  | 3     | 26, Sup 7       | 1987    |

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|-------------|---|-------|---------------|------|
| 002164-17-2 | Fluometuron   | 3     | 30, Sup 7     | 1987 |
| 002168-68-5 | Bis(1-aziridiny)morpholinophosphine sulfide   | 3     | 9, Sup 7      | 1987 |
| 002243-62-1 | 1,5-Naphthalenediamine  | 3     | 27, Sup 7     | 1987 |
| 002303-16-4 | Diallate  | 3     | 30, Sup 7     | 1987 |
| 002318-18-5 | Senkirkine  | 3     | 31, Sup 7     | 1987 |
| 002353-45-9 | Fast Green FCF  | 3     | 16, Sup 7     | 1987 |
| 002385-85-5 | Mirex   | 2B    | 20, Sup 7     | 1987 |
| 002386-90-5 | Bis(2,3-epoxycyclopentyl)ether<br>Captafol  | 3     | 47, 71        | 1999 |
| 002425-06-1 | (NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 53            | 1991 |
| 002425-85-6 | CI Pigment Red 3  | 3     | 57            | 1993 |
| 002429-74-5 | CI Direct Blue 15   | 2B    | 57            | 1993 |
| 002432-99-7 | 11-Aminoundecanoic acid   | 3     | 39, Sup 7     | 1987 |
| 002443-39-2 | cis-9,10-Epoxystearic acid  | 3     | 11, Sup 7, 71 | 1999 |
| 002475-45-8 | Disperse Blue 1   | 2B    | 48            | 1990 |
| 002602-46-2 | CI Direct Blue 6 (see Benzidine, dyes metabolized to)   |       |               |      |
| 002646-17-5 | Oil Orange SS   | 2B    | 8, Sup 7      | 1987 |
| 002757-90-6 | Agaritine   | 3     | 31, Sup 7     | 1987 |
| 002783-94-0 | Sunset Yellow FCF   | 3     | 8, Sup 7      | 1987 |
| 002784-94-3 | HC Blue No. 1   | 2B    | 57            | 1993 |
| 002832-40-8 | Disperse Yellow 3   | 3     | 48            | 1990 |
| 002835-39-4 | Allyl isovalerate   | 3     | 36, Sup 7, 71 | 1999 |
| 002871-01-4 | HC Red No. 3  | 3     | 57            | 1993 |
| 002955-38-6 | Prazepam  | 3     | 66            | 1996 |
| 002973-10-6 | Diisopropyl sulfate   | 2B    | 54, 71        | 1999 |
| 003018-12-0 | Dichloroacetonitrile  | 3     | 52, 71        | 1999 |
| 003068-88-0 | beta-Butyrolactone  | 2B    | 11, Sup 7, 71 | 1999 |
| 003118-97-6 | Sudan II  | 3     | 8, Sup 7      | 1987 |
| 003173-72-6 | 1,5-Naphthalene diisocyanate  | 3     | 19, Sup 7, 71 | 1999 |
| 003252-43-5 | Dibromoacetonitrile   | 2B    | 52, 71, 101   | 2011 |
| 003296-90-0 | 2,2-Bis(bromomethyl)propane-1,3-diol  | 2B    | 77            | 2000 |
| 003351-28-8 | 1-Methylchrysene  | 3     | 92            | 2010 |
| 003351-30-2 | 4-Methylchrysene  | 3     | 92            | 2010 |
| 003351-31-3 | 3-Methylchrysene  | 3     | 92            | 2010 |
| 003351-32-4 | 2-Methylchrysene  | 3     | 92            | 2010 |
| 003564-09-8 | Ponceau 3R  | 2B    | 8, Sup 7      | 1987 |
| 003567-69-9 | Carmoisine  | 3     | 8, Sup 7      | 1987 |
| 003570-75-0 | 2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole   | 2B    | 7, Sup 7      | 1987 |
| 003688-53-7 | AF-2 [2-(2-Furyl)-3-(5-nitro-2-furyl)acrylamide]  | 2B    | 31, Sup 7     | 1987 |
| 003697-24-3 | 5-Methylchrysene  | 2B    | 92            | 2010 |
| 003761-53-3 | Ponceau MX  | 2B    | 8, Sup 7      | 1987 |
| 003771-19-5 | Nafenopin   | 2B    | 24, Sup 7     | 1987 |
| 003778-73-2 | Isophosphamide  | 3     | 26, Sup 7     | 1987 |
| 003795-88-8 | 5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone                            | 2B    | 7, Sup 7      | 1987 |
| 003844-45-9 | Brilliant Blue FCF, disodium salt   | 3     | 16, Sup 7     | 1987 |
| 003902-71-4 | 4,5',8-Trimethylpsoralen  | 3     | 40, Sup 7     | 1987 |
| 004063-41-6 | 4,5'-Dimethylangelicin plus ultraviolet A radiation   | 3     | Sup 7         | 1987 |
| 004170-30-3 | Crotonaldehyde  | 3     | 63            | 1995 |
| 004342-03-4 | Dacarbazine   | 2B    | 26, Sup 7     | 1987 |
| 004548-53-2 | Ponceau SX  | 3     | 8, Sup 7      | 1987 |

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|----------------------------|--|-------|--------------------|---------|
| 004549-40-0                | <i>N</i> -Nitrosomethylvinylamine  | 2B    | 17, Sup 7          | 1987    |
| 004657-93-6                | 5-Aminoacenaphthene  | 3     | 16, Sup 7          | 1987    |
| 004680-78-8                | Guinea Green B   | 3     | 16, Sup 7          | 1987    |
| 005131-60-2                | 4-Chloro- <i>meta</i> -phenylenediamine  | 3     | 27, Sup 7          | 1987    |
| 005141-20-8                | Light Green SF   | 3     | 16, Sup 7          | 1987    |
| 005160-02-1                | D & C Red No. 9  | 3     | 57                 | 1993    |
| 005307-14-2                | 1,4-Diamino-2-nitrobenzene   | 3     | 57                 | 1993    |
| 005385-75-1                | Dibenzo[ <i>a,e</i> ]fluoranthene  | 3     | 92                 | 2010    |
| 005431-33-4                | Glycidyl oleate  | 3     | 11, Sup 7          | 1987    |
| 005456-28-0                | Ethyl selenac  | 3     | 12, Sup 7          | 1987    |
| 005522-43-0                | 1-Nitropyrene  | 2B    | 46                 | 1989    |
| 005589-96-8                | Bromochloroacetic acid   | 2B    | 101                | in prep |
| 005989-27-5                | <i>α</i> -Limonene<br>(NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data) | 3     | 73                 | 1999    |
| 006164-98-3                | Chlordimeform  | 3     | 30, Sup 7          | 1987    |
| 006358-53-8                | Citrus Red No. 2   | 2B    | 8, Sup 7           | 1987    |
| 006368-72-5                | Sudan Red 7B   | 3     | 8, Sup 7           | 1987    |
| 006373-74-6                | CI Acid Orange 3   | 3     | 57                 | 1993    |
| 006416-57-5                | Sudan Brown RR   | 3     | 8, Sup 7           | 1987    |
| 006459-94-5                | CI Acid Red 114  | 2B    | 57                 | 1993    |
| 006795-23-9                | Aflatoxin M1   | 2B    | 56                 | 1993    |
| 006870-67-3                | Jacobine   | 3     | 10, Sup 7          | 1987    |
| 007099-43-6                | 5,6-Cyclopenteno-1,2-benzanthracene  | 3     | 92                 | 2010    |
| 007439-92-1                | Lead   | 2B    | 23, Sup 7          | 1987    |
| 007439-97-6                | Mercury and inorganic mercury compounds  | 3     | 58                 | 1993    |
| 007440-02-0                | Nickel, metallic and alloys  | 2B    | 49                 | 1990    |
| 007440-07-5                | Plutonium  | 1     | 78, 100D           | in prep |
| 007440-29-1                | Thorium-232 and its decay products   | 1     | 78, 100D           | in prep |
| 007440-38-2                | Arsenic and inorganic arsenic compounds  | 1     | 23, Sup 7,<br>100C | in prep |
| 007440-41-7                | Beryllium and beryllium compounds  | 1     | 58, 100C           | in prep |
| 007440-43-9                | Cadmium and cadmium compounds  | 1     | 58, 100C           | in prep |
| 007440-47-3                | Chromium, metallic   | 3     | 49                 | 1990    |
| 007440-48-4                | Cobalt and cobalt compounds<br>(NB: Evaluated as a group)  | 2B    | 52                 | 1991    |
| 007440-48-4<br>012070-12-1 | Cobalt metal with tungsten carbide   | 2A    | 86                 | 2006    |
| 007440-48-4                | Cobalt metal without tungsten carbide  | 2B    | 86                 | 2006    |
| 007446-09-5                | Sulfur dioxide   | 3     | 54                 | 1992    |
| 007460-84-6                | Glycidyl stearate  | 3     | 11, Sup 7          | 1987    |
| 007481-89-2                | Zalcitabine  | 2B    | 76                 | 2000    |
| 007496-02-8                | 6-Nitrochrysene  | 2B    | 46                 | 1989    |
| 007519-36-0                | <i>N</i> -Nitrosoproline   | 3     | 17, Sup 7          | 1987    |
| 007572-29-4                | Dichloroacetylene  | 3     | 39, Sup 7, 71      | 1999    |
| 007631-86-9                | Silica, amorphous  | 3     | 68                 | 1997    |
| 007647-01-0                | Hydrochloric acid  | 3     | 54                 | 1992    |
| 007664-93-9                | Strong-inorganic-acid mists containing sulfuric acid (see Acid mists)  |       |                    |         |
| 007722-84-1                | Hydrogen peroxide  | 3     | 36, Sup 7, 71      | 1999    |
| 007758-01-2                | Potassium bromate  | 2B    | 73                 | 1999    |
| 007758-19-2                | Sodium chlorite  | 3     | 52                 | 1991    |

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|-------------|---|-------|---------------|---------|
| 007782-49-2 | Selenium and selenium compounds   | 3     | 9, Sup 7      | 1987    |
| 008001-35-2 | Toxaphene (Polychlorinated camphenes)   | 2B    | 79            | 2001    |
| 008001-50-1 | Terpene polychlorinates (Strobane <sup>®</sup> )  | 3     | 5, Sup 7      | 1987    |
| 008001-58-9 | Creosotes   | 2A    | 92            | 2010    |
| 008002-05-9 | Crude oil   | 3     | 45            | 1989    |
| 008007-45-2 | Coal tars (see Coal-tar distillation)   |       | 35, Sup 7     | 1987    |
| 008007-45-2 | Coal-tar distillation   | 1     | 92, 100F      | in prep |
| 008018-07-3 | Acridine  | 3     | 13, Sup 7     | 1987    |
| 008047-67-4 | Saccharated iron oxide  | 3     | 2, Sup 7      | 1987    |
| 008052-42-4 | Bitumens, extracts of steam-refined and air-refined   | 2B    | 35, Sup 7     | 1987    |
| 008052-42-4 | Bitumens, steam-refined, cracking-residue and air-refined   | 3     | 35, Sup 7     | 1987    |
| 009000-07-1 | Carrageenan, native   | 3     | 31, Sup 7     | 1987    |
| 009002-84-0 | Polytetrafluoroethylene   | 3     | 19, Sup 7     | 1987    |
| 009002-86-2 | Polyvinyl chloride  | 3     | 19, Sup 7     | 1987    |
| 009002-88-4 | Polyethylene  | 3     | 19, Sup 7     | 1987    |
| 009002-89-5 | Polyvinyl alcohol   | 3     | 19, Sup 7     | 1987    |
| 009003-01-4 | Polyacrylic acid  | 3     | 19, Sup 7     | 1987    |
| 009003-07-0 | Polypropylene   | 3     | 19, Sup 7     | 1987    |
| 009003-20-7 | Polyvinyl acetate   | 3     | 19, Sup 7     | 1987    |
| 009003-22-9 | Vinyl chloride-vinyl acetate copolymers   | 3     | 19, Sup 7     | 1987    |
| 009003-39-8 | Polyvinyl pyrrolidone   | 3     | 19, Sup 7, 71 | 1987    |
| 009003-53-6 | Polystyrene   | 3     | 19, Sup 7     | 1987    |
| 009003-54-7 | Styrene-acrylonitrile copolymers  | 3     | 19, Sup .7    | 1987    |
| 009003-55-8 | Styrene-butadiene copolymers  | 3     | 19, Sup 7     | 1987    |
| 009004-51-7 | Iron-dextrin complex  | 3     | 2, Sup 7      | 1987    |
| 009004-66-4 | Iron-dextran complex  | 2B    | 2, Sup 7      | 1987    |
| 009009-54-5 | Polyurethane foams  | 3     | 19, Sup 7     | 1987    |
| 009010-98-4 | Polychloroprene   | 3     | 19, Sup 7     | 1987    |
| 009011-06-7 | Vinylidene chloride-vinyl chloride copolymers   | 3     | 19, Sup 7     | 1987    |
| 009011-14-7 | Polymethyl methacrylate   | 3     | 19, Sup 7     | 1987    |
| 009016-87-9 | Polymethylene polyphenyl isocyanate   | 3     | 19, Sup 7     | 1987    |
| 010026-24-1 | Cobalt sulfate and other soluble cobalt(II) salts   | 2B    | 86            | 2006    |
| 010043-66-0 | Iodine-131 (see Radioiodines)   |       |               |         |
| 010043-92-2 | Radon-222 and its decay products  | 1     | 43, 78, 100D  | in prep |
| 010048-13-2 | Sterigmatocystin  | 2B    | 10, Sup 7     | 1987    |
| 010048-32-5 | Parasorbic acid   | 3     | 10, Sup 7     | 1987    |
| 010098-97-2 | Strontium-90 (see Fission products)   |       |               |         |
| 010380-28-6 | Copper 8-hydroxyquinoline   | 3     | 15, Sup 7     | 1987    |
| 010540-29-1 | Tamoxifen<br>(NB: There is also conclusive evidence that tamoxifen reduces the risk of contralateral breast cancer in breast cancer patients) | 1     | 66, 100A      | 2011    |
| 010595-95-6 | <i>N</i> -Nitrosomethylethylamine   | 2B    | 17, Sup 7     | 1987    |
| 010599-90-3 | Chloramine  | 3     | 84            | 2004    |
| 011056-06-7 | Bleomycins<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)                                 | 2B    | 26, Sup 7     | 1987    |
| 012001-79-5 | Vitamin K substances  | 3     | 76            | 2000    |
| 012070-12-1 | Tungsten carbide with cobalt metal (see Cobalt metal with tungsten carbide)   |       |               |         |
| 007440-48-4 |   |       |               |         |
| 012122-67-7 | Zineb   | 3     | 12, Sup 7     | 1987    |
| 012174-11-7 | Attapulgite (see Palygorskite)  |       |               |         |

| CAS No      | Agent  | Group | Volume        | Year    |
|-------------|--|-------|---------------|---------|
| 012174-11-7 | Palygorskite (Attapulgit) (long fibres, > 5 micrometres)   | 2B    | 68            | 1997    |
| 012174-11-7 | Palygorskite (Attapulgit)(short fibres, < 5 micrometres)   | 3     | 68            | 1997    |
| 012192-57-3 | Aurothioglucose  | 3     | 13, Sup 7     | 1987    |
| 012427-38-2 | Maneb  | 3     | 12, Sup 7     | 1987    |
| 012663-46-6 | Cyclochlorotine  | 3     | 10, Sup 7     | 1987    |
| 013010-47-4 | 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 26, Sup 7     | 1987    |
| 013045-94-8 | Medphalan  | 3     | 9, Sup 7      | 1987    |
| 013233-32-4 | Radium-224 and its decay products  | 1     | 78, 100D      | in prep |
| 013256-22-9 | N-Nitrososarcosine   | 2B    | 17, Sup 7     | 1987    |
| 013292-46-1 | Rifampicin   | 3     | 24, Sup 7     | 1987    |
| 013463-67-7 | Titanium dioxide   | 2B    | 47, 93        | 2010    |
| 013483-18-6 | 1,2-Bis(chloromethoxy)ethane   | 3     | 15; Sup 7, 71 | 1999    |
| 013909-09-6 | 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU) (see Semustine)   |       |               |         |
| 013909-09-6 | Semustine [1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea, Methyl-CCNU]  | 1     | Sup 7, 100A   | 2011    |
| 013982-63-3 | Radium-226 and its decay products  | 1     | 78, 100D      | in prep |
| 013983-17-0 | Wollastonite   | 3     | 68            | 1997    |
| 014484-64-1 | Ferbam   | 3     | 12, Sup 7     | 1987    |
| 014596-37-3 | Phosphorus-32, as phosphate  | 1     | 78, 100D      | in prep |
| 014807-96-6 | Talc containing asbestiform fibres (see Asbestos)  |       | 42, Sup 7     | 1987    |
| 014807-96-6 | Talc not containing asbestos or asbestiform fibres   | 3     | 42, Sup 7, 93 | 2010    |
| 014807-96-6 | Talc-based body powder (perineal use of)   | 2B    | 93            | 2010    |
| 014808-60-7 | Silica dust, crystalline, in the form of quartz or cristobalite  | 1     | 68, 100C      | in prep |
| 014901-08-7 | Cycasin  | 2B    | 10, Sup 7     | 1987    |
| 015086-94-9 | Eosin  | 3     | 15, Sup 7     | 1987    |
| 015262-20-1 | Radium-228 and its decay products  | 1     | 78, 100D      | in prep |
| 015501-74-3 | Sepiolite  | 3     | 68            | 1997    |
| 015503-86-3 | Isatidine  | 3     | 10, Sup 7     | 1987    |
| 015663-27-1 | Cisplatin<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)   | 2A    | 26, Sup 7     | 1987    |
| 015721-02-5 | 2,2',5,5'-Tetrachlorobenzidine   | 3     | 27, Sup 7     | 1987    |
| 016065-83-1 | Chromium (III) compounds   | 3     | 49            | 1990    |
| 016071-86-6 | CI Direct Brown 95 (see Benzidine, dyes metabolized to)  |       |               |         |
| 016543-55-8 | N'-Nitrosornicotine (NNN) and 4-(N-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK)  | 1     | 89, 100E      | in prep |
| 064091-91-4 | (NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)  |       |               |         |
| 016568-02-8 | Gyromitrin   | 3     | 31, Sup 7     | 1987    |
| 016984-48-8 | Fluorides (inorganic, used in drinking-water)  | 3     | 27, Sup 7     | 1987    |
| 018540-29-9 | Chromium (VI) compounds  | 1     | 49, 100C      | in prep |
| 018883-66-4 | Streptozotocin   | 2B    | 17, Sup 7     | 1987    |
| 020073-24-9 | 3-Carboxypsoralen  | 3     | 40, Sup 7     | 1987    |
| 020268-51-3 | 7-Nitrobenz[a]anthracene   | 3     | 46            | 1989    |
| 020589-63-3 | 3-Nitroperylene  | 3     | 46            | 1989    |
| 020830-81-3 | Daunomycin   | 2B    | 10, Sup 7     | 1987    |
| 020941-65-5 | Ethyl tellurac   | 3     | 12, Sup 7     | 1987    |
| 021884-44-6 | Luteoskyrin  | 3     | 10, Sup 7     | 1987    |
| 022248-79-9 | Tetrachlorvinphos  | 3     | 30, Sup 7     | 1987    |

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|-------------|--|-------|---------------|------|
| 022349-59-3 | 1,4-Dimethylphenanthrene   | 3     | 92            | 2010 |
| 022398-80-7 | Indium phosphide<br>(NB: Overall evaluation upgraded to Group 2A)  | 2A    | 86            | 2006 |
| 022506-53-2 | 3,9-Dinitrofluoranthene  | 2B    | 65            | 1996 |
| 022571-95-5 | Symphytine   | 3     | 31, Sup 7     | 1987 |
| 022966-79-6 | Oestradiol mustard   | 3     | 9, Sup 7      | 1987 |
| 022975-76-4 | 4,4'-Dimethylangelicin plus ultraviolet A radiation  | 3     | Sup 7         | 1987 |
| 023214-92-8 | Adriamycin<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                    | 2A    | 10, Sup 7     | 1987 |
| 023246-96-0 | Riddelliine  | 2B    | 10, Sup 7, 82 | 2002 |
| 023255-93-8 | Hycanthone mesylate  | 3     | 13, Sup 7     | 1987 |
| 023537-16-8 | Rugulosin  | 3     | 40, Sup 7     | 1987 |
| 023746-34-1 | Potassium bis(2-hydroxyethyl)dithiocarbamate   | 3     | 12, Sup 7     | 1987 |
| 024938-64-5 | <i>para</i> -Aramid fibrils  | 3     | 68            | 1997 |
| 025013-15-4 | Vinyl toluene  | 3     | 60            | 1994 |
| 025013-16-5 | Butylated hydroxyanisole (BHA)   | 2B    | 40, Sup 7     | 1987 |
| 025038-54-4 | Nylon 6  | 3     | 19, Sup 7     | 1987 |
| 025732-74-5 | Acepyrene (3,4-dihydrocyclopenta[ <i>cd</i> ]pyrene)   | 3     | 92            | 2010 |
| 025812-30-0 | Gemfibrozil  | 3     | 66            | 1996 |
| 025962-77-0 | <i>trans</i> -2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole                                      | 2B    | 7, Sup 7      | 1987 |
| 026148-68-5 | A- $\alpha$ -C (2-Amino-9 <i>H</i> -pyrido[2,3- <i>b</i> ]indole)  | 2B    | 40, Sup 7     | 1987 |
| 026308-28-1 | Ripazepam  | 3     | 66            | 1996 |
| 026471-62-5 | Toluene diisocyanates  | 2B    | 39, Sup 7, 71 | 1999 |
| 026782-43-4 | Hydroxysenkirkine  | 3     | 10, Sup 7     | 1987 |
| 027208-37-3 | Cyclopenta[ <i>cd</i> ]pyrene<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 92            | 2010 |
| 028434-86-8 | 3,3'-Dichloro-4,4'-diaminodiphenyl ether   | 2B    | 16, Sup 7     | 1987 |
| 029069-24-7 | Prednimustine  | 3     | 50            | 1990 |
| 029291-35-8 | <i>N</i> -Nitrosofolic acid  | 3     | 17, Sup 7     | 1987 |
| 029767-20-2 | Teniposide<br>(NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data)                    | 2A    | 76            | 2000 |
| 029975-16-4 | Estazolam  | 3     | 66            | 1996 |
| 030310-80-6 | <i>N</i> -Nitrosohydroxyproline  | 3     | 17, Sup 7     | 1987 |
| 030516-87-1 | Zidovudine (AZT)   | 2B    | 76            | 2000 |
| 033229-34-4 | HC Blue No. 2  | 3     | 57            | 1993 |
| 033419-42-0 | Etoposide<br>(NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)                           | 1     | 76, 100A      | 2011 |
| 033419-42-0 | Etoposide in combination with cisplatin and bleomycin  | 1     | 76, 100A      | 2011 |
| 015663-27-1 |  |       |               |      |
| 011056-06-7 |  |       |               |      |
| 033543-31-6 | 2-Methylfluoranthene   | 3     | 92            | 2010 |
| 037620-20-5 | <i>N</i> -Nitrosoanabasine (NAB)   | 3     | 37, Sup 7, 89 | 2007 |
| 038571-73-2 | 1,2,3-Tris(chloromethoxy)propane   | 3     | 15, Sup 7, 71 | 1999 |
| 040762-15-0 | Doxefazepam  | 3     | 66            | 1996 |
| 042397-64-8 | 1,6-Dinitropyrene  | 2B    | 46            | 1989 |
| 042397-65-9 | 1,8-Dinitropyrene  | 2B    | 46            | 1989 |
| 051264-14-3 | Amsacrine  | 2B    | 76            | 2000 |

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|-------------|---|-------|-----------------|---------|
| 051481-61-9 | Cimetidine  | 3     | 50              | 1990    |
| 051630-58-1 | Fenvalerate   | 3     | 53              | 1991    |
| 052645-53-1 | Permethrin  | 3     | 53              | 1991    |
| 052918-63-5 | Deltamethrin  | 3     | 53              | 1991    |
| 053973-98-1 | Carrageenan, degraded (Poligeenan)  | 2B    | 31, Sup 7       | 1987    |
| 053973-98-1 | Poligeenan (see Carrageenan, degraded)  |       |                 |         |
|             | Chlorozotocin   |       |                 |         |
| 054749-90-5 | (NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 50              | 1990    |
| 055557-01-2 | <i>N</i> -Nitrosoguvacine   | 3     | 85              | 2004    |
| 055557-02-3 | <i>N</i> -Nitrosoguvacoline   | 3     | 85              | 2004    |
| 056894-91-8 | 1,4-Bis(chloromethoxymethyl)benzene   | 3     | 15; Sup 7, 71   | 1999    |
| 057018-52-7 | 1- <i>tert</i> -Butoxypropan-2-ol   | 3     | 88              | 2006    |
|             | 2,3,4,7,8-Pentachlorodibenzofuran   |       |                 |         |
| 057117-31-4 | (NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)       | 1     | 100F            | in prep |
|             | 3,4,5,3',4'-Pentachlorobiphenyl (PCB-126)   |       |                 |         |
| 057465-28-8 | (NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data)       | 1     | 100F            | in prep |
| 057835-92-4 | 4-Nitropyrene   | 2B    | 46              | 1989    |
| 059277-89-3 | Aciclovir   | 3     | 76              | 2000    |
| 059536-65-1 | Polybrominated biphenyls  | 2B    | 41, Sup 7       | 1987    |
| 059820-43-8 | HC Yellow No. 4   | 3     | 57              | 1993    |
| 059865-13-3 | Ciclosporin (see Cyclosporine)  |       |                 |         |
| 059865-13-3 | Cyclosporine  | 1     | 50, 100A        | 2011    |
| 079217-60-0 |   |       |                 |         |
| 060102-37-6 | Petasitenine  | 3     | 31, Sup 7       | 1987    |
| 060153-49-3 | 3-( <i>N</i> -Nitrosomethylamino)propionitrile  | 2B    | 85              | 2004    |
| 062450-06-0 | Trp-P-1 (3-Amino-1,4-dimethyl-5 <i>H</i> -pyrido[4,3- <i>b</i> ]indole)                         | 2B    | 31, Sup 7       | 1987    |
| 062450-07-1 | Trp-P-2 (3-Amino-1-methyl-5 <i>H</i> -pyrido[4,3- <i>b</i> ]indole)                             | 2B    | 31, Sup 7       | 1987    |
| 063041-90-7 | 6-Nitrobenzo[ <i>a</i> ]pyrene  | 3     | 46              | 1989    |
| 064436-13-1 | Arsenobetaine and other organic arsenic compounds that are not metabolized in humans            | 3     | 100C            | in prep |
| 065271-80-9 | Mitoxantrone  | 2B    | 76              | 2000    |
| 065996-93-2 | Coal-tar pitch  | 1     | 35, Sup 7, 100F | in prep |
| 066733-21-9 | Erionite  | 1     | 42, Sup 7, 100C | in prep |
| 067730-10-3 | Glu-P-2 (2-Aminodipyrido[1,2- <i>a</i> :3',2'- <i>d</i> ]imidazole)                             | 2B    | 40, Sup 7       | 1987    |
| 067730-11-4 | Glu-P-1 (2-Amino-6-methyldipyrido[1,2- <i>a</i> :3',2'- <i>d</i> ]imidazole)                    | 2B    | 40, Sup 7       | 1987    |
| 068006-83-7 | MeA- $\alpha$ -C (2-Amino-3-methyl-9 <i>H</i> -pyrido[2,3- <i>b</i> ]indole)                    | 2B    | 40, Sup 7       | 1987    |
| 068603-42-9 | Coconut oil diethanolamine condensate   | 2B    | 101             | in prep |
| 068308-34-9 | Shale oils  | 1     | 35, Sup 7, 100F | in prep |
| 069655-05-6 | Didanosine  | 3     | 76              | 2000    |
| 071267-22-6 | <i>N</i> -Nitrosoanatabine (NAT)  | 3     | 37, Sup 7, 89   | 2007    |
| 073459-03-7 | 5-Methylangelicin plus ultraviolet A radiation  | 3     | Sup 7           | 1987    |
| 075321-20-9 | 1,3-Dinitropyrene   | 3     | 46              | 1989    |
|             | IQ (2-Amino-3-methylimidazo[4,5- <i>f</i> ]quinoline)   |       |                 |         |
| 076180-96-6 | (NB: Overall evaluation upgraded to Group 2A with supporting evidence from other relevant data) | 2A    | 56              | 1993    |

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|-------------|--|-------|-----------------|---------|
| 077094-11-2 | MeIQ (2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)   | 2B    | 56              | 1993    |
| 077439-76-0 | 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone   | 2B    | 84              | 2004    |
| 077500-04-0 | MeIQx (2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)  | 2B    | 56              | 1993    |
| 082413-20-5 | Droloxifene  | 3     | 66              | 1996    |
| 083463-62-1 | Bromochloroacetonitrile  | 3     | 52, 71          | 1999    |
| 085502-23-4 | 3-(N-Nitrosomethylamino)propionaldehyde  | 3     | 85              | 2004    |
| 085878-62-2 | Pyrido[3,4-c]psoralen  | 3     | 40, Sup 7       | 1987    |
| 085878-63-3 | 7-Methylpyrido[3,4-c]psoralen  | 3     | 40, Sup 7       | 1987    |
| 087625-62-5 | Ptaquiloside   | 3     | 40, Sup 7       | 1987    |
| 089778-26-7 | Toremifene   | 3     | 66              | 1996    |
| 090370-29-9 | 4,4',6-Trimethylangelicin plus ultraviolet A radiation   | 3     | Sup 7           | 1987    |
| 090456-67-0 | N-Methylolacrylamide   | 3     | 60              | 1994    |
| 101043-37-2 | Microcystin-LR   | 2B    | 94              | 2010    |
| 105650-23-5 | PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine)   | 2B    | 56              | 1993    |
| 105735-71-5 | 3,7-Dinitrofluoranthene  | 2B    | 65              | 1996    |
| 111189-32-3 | Naphtho[1,2-b]fluoranthene   | 3     | 92              | 2010    |
| 116355-83-0 | Fumonisin B <sub>1</sub>   | 2B    | 82              | 2002    |
| 116355-83-0 | <i>Fusarium moniliforme</i> , toxins derived from (fumonisin B <sub>1</sub> , fumonisin B <sub>2</sub> , and fusarin C)  | 2B    | 56              | 1993    |
| 118399-22-7 | Nodularins   | 3     | 94              | 2010    |
|             | Acid mists, strong inorganic   | 1     | 54, 100F        | in prep |
|             | Acrylic fibres   | 3     | 19, Sup 7       | 1987    |
|             | Acrylonitrile-butadiene-styrene copolymers   | 3     | 19, Sup 7       | 1987    |
|             | Alcoholic beverages  | 1     | 44, 96, 100E    | in prep |
|             | Alpha particles (see Radionuclides)  |       |                 |         |
|             | Aluminium production   | 1     | 34, Sup 7, 100F | in prep |
|             | Androgenic (anabolic) steroids   | 2A    | Sup 7           | 1987    |
|             | Anaesthetics, volatile   | 3     | 11, Sup 7       | 1987    |
|             | Areca nut  | 1     | 85, 100E        | in prep |
|             | Art glass, glass containers and pressed ware (manufacture of)  | 2A    | 58              | 1993    |
|             | Auramine production  | 1     | Sup 7, 99, 100F | in prep |
|             | Benzidine, dyes metabolized to (NB: Overall evaluation upgraded to Group 1 based on mechanistic and other relevant data) | 1     | 99, 100F        | in prep |
|             | Beta particles (see Radionuclides)   |       |                 |         |
|             | Betel quid with tobacco  | 1     | 85, 100E        | in prep |
|             | Betel quid without tobacco   | 1     | 85, 100E        | in prep |
|             | Biomass fuel (primarily wood), indoor emissions from household combustion of   | 2A    | 95              | 2010    |
|             | Bisulfites   | 3     | 54              | 1992    |
|             | Boot and shoe manufacture and repair (see Leather dust, Benzene)   |       | 25, Sup 7       | 1987    |
|             | Bracken fern   | 2B    | 40, Sup 7       | 1987    |
|             | Calcium carbide production   | 3     | 92              | 2010    |
|             | Carbon electrode manufacture   | 2A    | 92              | 2010    |
|             | Carpentry and joinery  | 2B    | 25, Sup 7       | 1987    |
|             | Chimney sweeping (see Soot)  |       | 92              | 2010    |
|             | Chlorinated drinking-water   | 3     | 52              | 1991    |

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|--------|--|-------|--------------|---------|
|        | Chlorinated paraffins of average carbon chain length C12 and average degree of chlorination approximately 60%  | 2B    | 48           | 1990    |
|        | Chlorophenols (see Polychlorophenols)  |       |              |         |
|        | Chlorophenoxy herbicides   | 2B    | 41, Sup 7    | 1987    |
|        | <i>Clonorchis sinensis</i> (infection with)  | 1     | 61, 100B     | 2011    |
|        | Coal, indoor emissions from household combustion of  | 1     | 95, 100E     | in prep |
|        | Coal dust  | 3     | 68           | 1997    |
|        | Coal gasification  | 1     | 92, 100F     | in prep |
|        | Coffee (urinary bladder)<br>(NB: There is some evidence of an inverse relationship between coffee drinking and cancer of the large bowel; coffee drinking could not be classified as to its carcinogenicity to other organs) | 2B    | 51           | 1991    |
|        | Coke production  | 1     | 92, 100F     | in prep |
|        | Continuous glass filament (see Glass filament)   |       |              |         |
|        | Diesel engine exhaust (see Engine exhaust, diesel)   |       |              |         |
|        | Diesel fuels, distillate (light)   | 3     | 45           | 1989    |
|        | Diesel fuel, marine<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)   | 2B    | 45           | 1989    |
|        | Dry cleaning (occupational exposures in)   | 2B    | 63           | 1995    |
|        | Dyes metabolized to benzidine (see Benzidine, dyes metabolized to)   |       |              |         |
|        | Electric fields, extremely low-frequency   | 3     | 80           | 2002    |
|        | Electric fields, static  | 3     | 80           | 2002    |
|        | Engine exhaust, diesel   | 2A    | 46           | 1989    |
|        | Engine exhaust, gasoline   | 2B    | 46           | 1989    |
|        | Epstein-Barr virus   | 1     | 70, 100B     | 2011    |
|        | Estrogen therapy, postmenopausal   | 1     | 72, 100A     | 2011    |
|        | Estrogen-progestogen menopausal therapy (combined)   | 1     | 72, 91, 100A | 2011    |
|        | Estrogen-progestogen oral contraceptives (combined)<br>(NB: There is also convincing evidence in humans that these agents confer a protective effect against cancer in the endometrium and ovary)                            | 1     | 72, 91, 100A | 2011    |
|        | Firefighter (occupational exposure as a)   | 2B    | 98           | 2010    |
|        | Fission products, including strontium-90   | 1     | 100D         | in prep |
|        | Flat-glass and specialty glass (manufacture of)  | 3     | 58           | 1993    |
|        | Fluorescent lighting   | 3     | 55           | 1992    |
|        | Foreign bodies (see Surgical implants and other foreign bodies)  |       |              |         |
|        | Frying, emissions from high-temperature  | 2A    | 95           | 2010    |
|        | Fuel oils, distillate (light)  | 3     | 45           | 1989    |
|        | Fuel oils, residual (heavy)  | 2B    | 45           | 1989    |
|        | Furniture and cabinet making (see Wood dust)   |       | 25, Sup 7    | 1987    |
|        | <i>Fusarium graminearum</i> , <i>F. culmorum</i> , and <i>F. crookwellense</i> , toxins derived from (zearalenone, deoxynivalenol, nivalenol, and fusarenone X)  | 3     | 56           | 1993    |
|        | <i>Fusarium sporotrichioides</i> , toxins derived from (T-2 toxin)   | 3     | 56           | 1993    |
|        | Gamma-Radiation (see X- and Gamma-Radiation)   |       |              |         |
|        | Gasoline<br>(NB: Overall evaluation upgraded to Group 2B with supporting evidence from other relevant data)  | 2B    | 45           | 1989    |

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|--------|---|-------|-----------------|---------|
|        | Gasoline engine exhaust (see Engine exhaust, gasoline)  |       |                 |         |
|        | Glass filament, continuous  | 3     | 43, 81          | 2002    |
|        | Haematite mining (underground)  | 1     | 1, Sup 7, 100D  | in prep |
|        | Hair colouring products (personal use of)   | 3     | 57, 99          | 2010    |
|        | Hairdresser or barber (occupational exposure as a)  | 2A    | 57, 99          | 2010    |
|        | <i>Helicobacter pylori</i> (infection with)   | 1     | 61, 100B        | 2011    |
|        | Hepatitis B virus (chronic infection with)  | 1     | 59, 100B        | 2011    |
|        | Hepatitis C virus (chronic infection with)  | 1     | 59, 100B        | 2011    |
|        | Hepatitis D virus   | 3     | 59              | 1994    |
|        | Hexachlorocyclohexanes  | 2B    | 20, Sup 7       | 1987    |
|        | High-temperature frying (see Frying)  |       |                 |         |
|        | Hot mate (see Mate, hot)  |       |                 |         |
|        | Household combustion of biomass fuel (see Biomass fuel, indoor emissions from household combustion of)  |       |                 |         |
|        | Household combustion of coal (see Coal, indoor emissions from household combustion)   |       |                 |         |
|        | Human herpesvirus type 4 (see Epstein-Barr virus)   |       |                 |         |
|        | Human herpesvirus type 8 (see Kaposi sarcoma herpesvirus)   |       |                 |         |
|        | Human immunodeficiency virus type 1 (infection with)  | 1     | 67, 100B        | 2011    |
|        | Human immunodeficiency virus type 2 (infection with)  | 2B    | 67              | 1996    |
|        | Human papillomavirus genus beta (except types 5 and 8) and genus gamma  | 3     | 90, 100B        | 2011    |
|        | Human papillomavirus types 5 and 8 (in patients with epidermodysplasia verruciformis)   | 2B    | 100B            | 2011    |
|        | Human papillomavirus types 6 and 11   | 3     | 90, 100B        | 2011    |
|        | Human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59<br>(NB: The HPV types that have been classified as <i>carcinogenic to humans</i> can differ by an order of magnitude in risk for cervical cancer) | 1     | 64, 90, 100B    | 2011    |
|        | Human papillomavirus types 26, 53, 66, 67, 70, 73, 82   | 2B    | 100B            | 2011    |
|        | Human papillomavirus types 30, 34, 69, 85, 97<br>(NB: Classified by phylogenetic analogy to the HPV genus alpha types classified in Group 1)  | 2B    | 100B            | 2011    |
|        | Human papillomavirus type 68  | 2A    | 100B            | 2011    |
|        | Human T-cell lymphotropic virus type I  | 1     | 67, 100B        | 2011    |
|        | Human T-cell lymphotropic virus type II   | 3     | 67              | 1996    |
|        | Hypochlorite salts  | 3     | 52              | 1991    |
|        | Insulation glass wool   | 3     | 43, 81          | 2002    |
|        | Involuntary smoking (see Tobacco smoke, second-hand)  |       |                 |         |
|        | Ionizing radiation (all types)  | 1     | 100D            | in prep |
|        | Iron and steel founding (occupational exposure during)  | 1     | 34, Sup 7, 100F | in prep |
|        | Isopropyl alcohol manufacture using strong acids  | 1     | Sup 7, 100F     | in prep |
|        | Isopropyl oils  | 3     | 15, Sup 7, 71   | 1999    |
|        | Jet fuel  | 3     | 45              | 1989    |
|        | Kaposi sarcoma herpesvirus  | 1     | 70, 100B        | 2011    |
|        | Lead compounds, inorganic   | 2A    | 87              | 2006    |

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|--------|---|-------|-----------------|---------|
|        | Lead compounds, organic<br>(NB: Organic lead compounds are metabolized at least in part, to ionic lead both in humans and animals. To the extent that ionic lead, generated from organic lead, is present in the body, it will be expected to exert the toxicities associated with inorganic lead.) | 3     | 23, Sup 7, 87   | 2006    |
|        | Leather dust  | 1     | 100C            | in prep |
|        | Leather goods manufacture   | 3     | 25, Sup 7       | 1987    |
|        | Leather tanning and processing  | 3     | 25, Sup 7       | 1987    |
|        | Lumber and sawmill industries (including logging)   | 3     | 25, Sup 7       | 1987    |
|        | Madder root ( <i>Rubia tinctorum</i> )  | 3     | 82              | 2002    |
|        | Magenta production  | 1     | 57, 99, 100F    | in prep |
|        | Magnetic fields, extremely low-frequency  | 2B    | 80              | 2002    |
|        | Magnetic fields, static   | 3     | 80              | 2002    |
|        | Mate  | 3     | 51              | 1991    |
|        | Mate, hot   | 2A    | 51              | 1991    |
|        | Metabisulfites  | 3     | 54              | 1992    |
|        | Methylmercury compounds<br>(NB: Evaluated as a group)   | 2B    | 58              | 1993    |
|        | <i>Microcystis</i> extracts   | 3     | 94              | 2010    |
|        | Mineral oils, highly-refined  | 3     | 33, Sup 7       | 1987    |
|        | Mineral oils, untreated or mildly treated   | 1     | 33, Sup 7, 100F | in prep |
|        | Modacrylic fibres   | 3     | 19, Sup 7       | 1987    |
|        | MOPP and other combined chemotherapy including alkylating agents  | 1     | Sup 7, 100A     | 2011    |
|        | Neutron radiation<br>(NB: Overall evaluation upgraded to Group 1 with supporting evidence from other relevant data)   | 1     | 75, 100D        | in prep |
|        | Nickel compounds  | 1     | 49, 100C        | in prep |
|        | Nickel refining (see Nickel compounds)  |       | 11              | 1976    |
|        | Nitrate or nitrite (ingested) under conditions that result in endogenous nitrosation  | 2A    | 94              | 2010    |
|        | Non-arsenical insecticides (occupational exposures in spraying and application of)  | 2A    | 53              | 1991    |
|        | Oestrogen (see Estrogen)  |       |                 |         |
|        | <i>Opisthorchis felineus</i> (infection with)   | 3     | 61              | 1994    |
|        | <i>Opisthorchis viverrini</i> (infection with)  | 1     | 61, 100B        | 2011    |
|        | Oral contraceptives, combined estrogen-progestogen<br>(see Estrogen-progestogen oral contraceptives)  |       |                 |         |
|        | Painter (occupational exposure as a)  | 1     | 47, 98, 100F    | in prep |
|        | Paint manufacture (occupational exposure in)  | 3     | 47              | 1989    |
|        | Paving and roofing with coal-tar pitch (see Coal-tar pitch)   |       | 92              | 2010    |
|        | Petroleum refining (occupational exposures in)  | 2A    | 45              | 1989    |
|        | Petroleum solvents  | 3     | 47              | 1989    |
|        | Pickled vegetables (traditional in Asia)  | 2B    | 56              | 1993    |
|        | Phenacetin, analgesic mixtures containing   | 1     | Sup 7, 100A     | 2011    |
|        | Polychlorinated dibenzo- <i>para</i> -dioxins (other than 2,3,7,8-tetrachlorodibenzo- <i>para</i> -dioxin)  | 3     | 69              | 1997    |
|        | Polychlorinated dibenzofurans   | 3     | 69              | 1997    |
|        | Polychlorophenols and their sodium salts (mixed exposures)  | 2B    | 53, 71          | 1999    |

| CAS No | Agent   | Group | Volume          | Year    |
|--------|---|-------|-----------------|---------|
|        | Printing inks   | 3     | 65              | 1996    |
|        | Printing processes (occupational exposures in)  | 2B    | 65              | 1996    |
|        | Proflavine salts  | 3     | 24, Sup 7       | 1987    |
|        | Progestins  | 2B    | Sup 7           | 1987    |
|        | Progestogen-only contraceptives   | 2B    | 72              | 1999    |
|        | Pulp and paper manufacture  | 3     | 25, Sup 7       | 1987    |
|        | Radiofrequency electromagnetic fields <sup>1</sup>  | 2B    | 102             | in prep |
|        | Radioiodines, including iodine-131  | 1     | 78, 100D        | in prep |
|        | Radionuclides, alpha-particle-emitting, internally deposited<br>(NB: Specific radionuclides for which there is <i>sufficient evidence</i> in humans are also listed individually as Group 1 agents)   | 1     | 78, 100D        | in prep |
|        | Radionuclides, beta-particle-emitting, internally deposited<br>(NB: Specific radionuclides for which there is <i>sufficient evidence</i> in humans are also listed individually as Group 1 agents)  | 1     | 78, 100D        | in prep |
|        | Refractory ceramic fibres   | 2B    | 43, 81          | 2002    |
|        | Rubber manufacturing industry   | 1     | 28, Sup 7, 100F | in prep |
|        | Rock (stone) wool   | 3     | 43, 81          | 2002    |
|        | Salted fish, Chinese-style  | 1     | 56, 100E        | in prep |
|        | <i>Schistosoma haematobium</i> (infection with)   | 1     | 61, 100B        | 2011    |
|        | <i>Schistosoma japonicum</i> (infection with)   | 2B    | 61              | 1994    |
|        | <i>Schistosoma mansoni</i> (infection with)   | 3     | 61              | 1994    |
|        | Shiftwork that involves circadian disruption  | 2A    | 98              | 2010    |
|        | Slag wool   | 3     | 43, 81          | 2002    |
|        | Solar radiation   | 1     | 55, 100D        | in prep |
|        | Soot (as found in occupational exposure of chimney sweeps)  | 1     | 35, Sup 7, 100F | in prep |
|        | Special-purpose fibres such as E-glass and '475' glass fibres   | 2B    | 81              | 2002    |
|        | Stress (see Volume 100)   |       |                 |         |
|        | Sulfites  | 3     | 54              | 1992    |
|        | Sunlamps and sunbeds (see Ultraviolet-emitting tanning devices)   |       |                 |         |
|        | Surgical implants and other foreign bodies:<br>- Polymeric implants prepared as thin smooth film (with the exception of poly(glycolic acid))<br>- Metallic implants prepared as thin smooth films<br>- Implanted foreign bodies of metallic cobalt, metallic nickel and an alloy powder containing 66-67% nickel, 13-16% chromium and 7% iron | 2B    | 74              | 1999    |

<sup>1</sup> Includes radiofrequency electromagnetic fields from wireless phones

| CAS No | Agent   | Group | Volume   | Year    |
|--------|---|-------|----------|---------|
|        | Surgical implants and other foreign bodies:<br>- Organic polymeric materials (as a group)<br>- Orthopaedic implants of complex composition<br>- Cardiac pacemakers<br>- Silicone breast implants<br>- Implanted foreign bodies of metallic chromium or titanium and of cobalt-based, chromium-based and titanium-based alloys, stainless steel and depleted uranium<br>- Dental materials<br>- Ceramic implants | 3     | 74       | 1999    |
|        | Tea   | 3     | 51       | 1991    |
|        | Tetrakis(hydroxymethyl)phosphonium salts  | 3     | 48, 71   | 1999    |
|        | Textile manufacturing industry (work in)  | 2B    | 48       | 1990    |
|        | Tobacco, smokeless  | 1     | 89, 100E | in prep |
|        | Tobacco smoke, second-hand  | 1     | 83, 100E | in prep |
|        | Tobacco smoking   | 1     | 83, 100E | in prep |
|        | Toxins derived from certain <i>Fusarium</i> species (see <i>Fusarium</i> )  |       |          |         |
|        | Ultraviolet radiation (wavelengths 100-400 nm, encompassing UVA, UVB, and UVC)  | 1     | 100D     | in prep |
|        | Ultraviolet-emitting tanning devices  | 1     | 100D     | in prep |
|        | Urethane (see Ethyl carbamate)  |       |          |         |
|        | Welding fumes<br>(NB: Volume 100D concluded that there is <i>sufficient evidence</i> for ocular melanoma in welders)  | 2B    | 49       | 1990    |
|        | Wood dust   | 1     | 62, 100C | in prep |
|        | Wood smoke (see Biomass fuel, indoor emissions from household combustion)   |       |          |         |
|        | X- and Gamma-Radiation  | 1     | 75, 100D | in prep |

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