

Report on Carcinogens

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Appendix A: Manufacturing Processes, Occupations, and Exposure Circumstances Classified By IARC As Category 1, Carcinogenic To Humans

Certain manufacturing processes, occupations, and exposure circumstances have been considered by the International Agency for Research on Cancer (IARC) and have been classified by IARC as sources that are known to be carcinogenic to humans because of the associated increased incidences of cancer in workers in these settings. The National Toxicology Program has not reviewed the data supporting the listings of these occupational situations or exposure circumstances as posing a carcinogenic threat to humans, and recognizes that certain aspects of these exposures may differ in different parts of the world or may have changed over time. In addition, the manufacturing processes and occupations reviewed by IARC in its determinations may differ greatly from what has been or is currently used in the United States. In the interest of public health and for completeness, these occupational exposures and exposure circumstances are referenced here with the corresponding IARC citation given. The interested reader is referred to these documents for details.

- Aluminum production, occupational exposures during (IARC vol. 100F, 2012)
- Auramine production (IARC vol. 100F, 2012)
- Coal gasification (IARC vol. 100F, 2012)
- Coal, indoor emissions from household combustion of (IARC vol. 100E, 2012)
- Coal-tar distillation, occupational exposures during (IARC vol. 100F, 2012)
- Coke production (IARC vol. 100F, 2012)
- Hematite mining, underground, with exposure to radon (IARC vol. 100D, 2012)
- Iron and steel founding, occupational exposure during (IARC vol. 100F, 2012)
- Isopropyl alcohol manufacture by the strong-acid process (IARC vol. 100F, 2012)
- Magenta production (IARC vol. 100F, 2012)
- Painter, occupational exposure as a (IARC vol. 100F, 2012)
- Rubber-manufacturing industry, occupational exposures in the (IARC vol. 100F, 2012)

The following occupational exposure circumstances were previously listed by IARC as Group 1, but they are no longer considered by IARC as separate “agents.” IARC working groups for volume 100 (which reviewed all Group 1 carcinogens) concluded that the cancers observed in these industries were due to specific exposures, which are listed as Group 1 carcinogens:

- Boot and Shoe Manufacture and Repair (IARC vol. 25, 1981, IARC suppl. 4, 1982)
- Furniture Manufacture (IARC vol. 25, 1981, IARC suppl. 4, 1982, IARC suppl. 7, 1987)
- Nickel Refining (IARC vol. 2, 1973, IARC vol. 11, 1976, IARC suppl. 4, 1982).

Appendix B: Substances Delisted from the Report on Carcinogens

The agents, substances, mixtures, or exposure circumstances contained in this appendix were previously listed in the Report on Carcinogens as either *known* or *reasonably anticipated to be human carcinogens*. For substances removed from the Report on Carcinogens prior to the 1996 establishment of a formal review procedure for delisting substances from the Report on Carcinogens, the table below shows the reason for delisting. The reason for delisting is in some cases the fact that residents of the United States are not exposed to these substances because since they are no longer produced or used in the United States and in other cases that the rulings or findings as to the carcinogenic potential of the substances have been revised (e.g., as a result of new studies). The table indicates the last edition of

the Report on Carcinogens in which these substances appeared, to which reference can be made for all information available.

For each substance removed from the Report on Carcinogens as a result of a formal review for delisting (from the Eighth Edition forward), a profile is provided following the table, which summarizes the review for delisting, including the relevant information and the issues identified by the scientific review groups that led to the substance's delisting. Background documents outlining in more detail the issues considered during the reviews for delisting these substances can be obtained by contacting the National Toxicology Program at the following address: National Toxicology Program, Report on Carcinogens Center, P.O. Box 12233, MD K2-14, Research Triangle Park, NC 27709.

Substance Name	CAS Number	Last Listing	Reason for Delisting
Chloramphenicol	56-75-7	<i>known</i> First RoC (1980)	Human data considered inadequate
Aramite	140-57-8	<i>reasonably anticipated</i> Fourth RoC (1985)	No U.S. residents exposed
<i>N,N</i> -Bis(2-chloroethyl)-2-naphthylamine (chlornaphazine)	494-03-1	<i>known</i> Fourth RoC (1985)	No U.S. residents exposed
Cycasin	14901-08-7	<i>reasonably anticipated</i> Fourth RoC (1985)	No U.S. residents exposed
Methyl iodide	78-88-4	<i>reasonably anticipated</i> Fourth RoC (1985)	Reevaluated by IARC; evidence now considered equivocal
5-Nitro- <i>o</i> -anisidine	99-59-2	<i>reasonably anticipated</i> Fifth RoC (1989)	Insufficient evidence of carcinogenicity
<i>p</i> -Nitrosodiphenylamine	156-10-5	<i>reasonably anticipated</i> Fifth RoC (1989)	Insufficient evidence of carcinogenicity
Ethyl acrylate	140-88-5	<i>reasonably anticipated</i> Eighth RoC (1998)	See following profile
Saccharin	81-07-2	<i>reasonably anticipated</i> Eighth RoC (1998)	See following profile

Report on Carcinogens Review Group Actions on the Nomination of Ethyl Acrylate for Delisting from the Report on Carcinogens

Summary of data contained in the Ethyl Acrylate Background Document (December 1998)

Ethyl Acrylate

CAS No. 140-88-5

Ethyl acrylate is used in various industries as an intermediate in the production of emulsion-based polymers which are then used in paint formulations, industrial coatings, and latex products. It is also used as a synthetic flavoring substance and fragrance adjuvant in consumer products. Human exposure to ethyl acrylate occurs mostly through inhalation of ethyl acrylate vapors, but it may also result from skin contact or ingestion as a food additive or from drinking of contaminated water. The Report on Carcinogens review groups considered the data underlying the nomination to remove ethyl acrylate from the Report on Carcinogens, where it has been listed as *reasonably anticipated to be a human carcinogen* since 1989. The basis for this listing was a gavage study that resulted in dose-related benign and malignant forestomach neoplasms in rats and mice. The Basic Acrylic Monomer Manufacturers, Inc. (BAMM), submitted a nomination to remove ethyl acrylate from the Report on Carcinogens based upon the following information: (1) negative tumorigenicity results from chronic-exposure studies using routes other than gavage in corn oil, (2) research results suggesting that the forestomach carcinogenicity observed in the gavage studies was secondary to a site-specific and concentration-dependent irritating effect of ethyl acrylate, and (3) the fact that significant human exposure to ethyl acrylate monomer is unlikely in light of current manufacturing practices and patterns of usage (see Human Exposure and Cancer Studies in Humans, below).

The majority opinion of the Report on Carcinogens review groups was to recommend that ethyl acrylate be removed from the Report on Carcinogens. This opinion was based on the facts that (1) the forestomach tumors induced in animal studies were seen only when ethyl acrylate was administered by gavage at high concentrations that induced marked local irritation and cellular proliferation, (2) animal studies using other routes of administration, including inhalation, gave negative results, and (3) significant chronic human oral exposure to high concentrations of ethyl acrylate monomer is unlikely. Therefore, ethyl acrylate does not meet the criteria to be listed in the Report on Carcinogens as *reasonably anticipated to be a human carcinogen*.

Summary of Available Carcinogenicity Data and Other Relevant Information

Cancer Studies in Experimental Animals

Although mutagenic in some *in vitro* tests, ethyl acrylate is not genotoxic under *in vivo* physiological conditions, perhaps because of its rapid metabolism to acrylic acid and ethanol by carboxyesterases and detoxification through binding to non-protein sulfhydryls. Target tissue toxicity in the form of irritation was observed in the skin in a lifetime mouse skin-painting study, in the nasal olfactory mucosa in 27-month inhalation studies in rats and mice, and in the forestomach in two-year corn-oil gavage studies in rats and mice. Only body-weight reduction was observed in a two-year study of exposure via drinking water in rats. The forestomach carcinogenicity observed in the corn-oil gavage studies was the only treatment-related tumorigenic response in the various animal studies. The irritation, hyper-

plasia, and tumor responses in the forestomach were related more to target-tissue concentration of ethyl acrylate than to delivered dose in the chronic gavage study. Based upon stop-exposure studies, gavage doses of ethyl acrylate in corn oil sufficient to induce sustained mucosal hyperplasia in the forestomach must be administered for longer than six months to induce forestomach neoplasia.

Human Exposure and Cancer Studies in Humans

Prolonged consumer exposure to high levels of ethyl acrylate monomer by the oral route is unlikely. Potentially significant exposures would most likely occur in an occupational setting where the routes of exposure would be dermal or by inhalation. Ethyl acrylate has a strong acrid odor (odor threshold ~ 0.5 ppb) and is a known irritant to the skin, eyes, and mucous membranes, making it unlikely that humans would be chronically exposed to high concentrations. Data provided in the BAMM nomination on worker exposure showed occupational exposure well below the threshold limit value (TLV = 5 ppm for an eight-hour time-weighted average) and the short-term exposure limit (STEL = 15 ppm), although exposure of painters in an unventilated room has been reported to be as high as 8 ppm in the painter's breathing zone.

An epidemiology study reported on mortality from cancer of the colon and rectum in three separate cohorts of workers from two plants manufacturing and polymerizing acrylate monomers. Workers were exposed to ethyl acrylate and methyl methacrylate monomer between 1933 and 1982. Risks for both types of cancer were associated with exposure in the earliest cohort, although the rectal cancer results are imprecise because of the small number of cases involved. The greatest relative risk was found in workers with the highest level of exposure and a 20-year latency. The other two cohorts, with later dates of hire, showed no excess risk, but very few cases were available for observation. This study, by itself, can neither establish nor rule out a causal relationship of ethyl acrylate with cancer.

Action on Nomination

Ethyl acrylate will be removed from the Report on Carcinogens because the relevant data are not sufficient to meet the current criteria to list this chemical as *reasonably anticipated to be a human carcinogen*. This is based on the fact that the forestomach tumors induced in animal studies were seen only when the chemical was administered by gavage at high concentrations of ethyl acrylate that induced marked local irritation and cellular proliferation, and because significant chronic human exposure to high concentrations of ethyl acrylate monomer is unlikely.

Report on Carcinogens Review Group Actions on the Nomination of Saccharin for Delisting from the Report on Carcinogens

Summary of data contained in the Saccharin Background Document (October 1997)

Saccharin

CAS No. 81-07-2

Saccharin and its sodium and potassium salts have been produced commercially in the United States for over 80 years. Saccharin is primarily used as a non-nutritive sweetening agent. Potential exposure to saccharin occurs through the consumption of dietetic foods and drinks and the use of some personal hygiene products. Potential exposure to saccharin also occurs in the workplace, specifically in occupations, industries, or facilities that produce and deal with saccharin

and its salts. The Report on Carcinogens review groups considered the data underlying the nomination to remove saccharin from the Report on Carcinogens where it has been listed as *reasonably anticipated to be a human carcinogen* since 1981. The basis for this listing was sufficient evidence of carcinogenicity in experimental animals. The Calorie Control Council submitted a nomination to the NTP to consider removing saccharin from the Report on Carcinogens based upon mechanistic data related to development of urinary-bladder cancers in rats (see Studies on Mechanisms of Carcinogenesis, below).

The majority opinion of the review groups was to recommend that saccharin be removed from the Report on Carcinogens. There is evidence for the carcinogenicity of saccharin in rats, but less convincing evidence in mice. Studies indicate that the observed urinary-bladder cancers in rats are related to the physiology of the rat urinary system, including urinary pH, osmolality, volume, the presence of precipitate, and urothelial damage with attendant hyperplasia following consumption of diets containing sodium saccharin at concentrations of 3% or higher, with inconsistent findings at lower dietary concentrations. The factors thought to contribute to tumor induction by sodium saccharin in rats would not be expected to occur in humans. The mouse data are inconsistent and require verification by additional studies. Results of several epidemiology studies indicate no clear association between saccharin consumption and urinary-bladder cancer. Although it is impossible to conclude with absolute certainty that it poses no threat to human health, sodium saccharin is not *reasonably anticipated to be a human carcinogen* under conditions of general usage as an artificial sweetener.

Summary of Available Carcinogenicity Data and Other Relevant Information

Cancer Studies in Experimental Animals

In four studies of up to 30 months' duration, sodium saccharin was carcinogenic in Charles River CD and Sprague-Dawley male rats, as evidenced by a dose-related increased incidence of benign or malignant urinary-bladder neoplasms at dietary concentrations greater than 1% (Tisdell *et al.* 1974, Arnold *et al.* 1980, Taylor *et al.* 1980, Schoenig *et al.* 1985). Non-statistically-significant increases in urinary-bladder cancer also were seen in saccharin-exposed female rats in studies showing a positive effect in males (Arnold *et al.* 1980, Taylor *et al.* 1980). Furthermore, several initiation/promotion studies in different rat strains showed a reduced latency and/or increased incidence of similar urinary-bladder cancers in male and female rats fed sodium saccharin after treatment with various urinary-bladder tumor initiators (e.g., Hicks and Chowanec 1977, Cohen *et al.* 1979, Nakanishi *et al.* 1980a, West *et al.* 1986, Fukushima *et al.* 1990). Several additional rat studies in which sodium saccharin was administered either in the diet or in drinking water gave negative results for tumorigenicity (Fitzhugh *et al.* 1951, Lessel 1971, Schmähl 1973, Chowanec and Hicks 1979, Hooson *et al.* 1980, Schmähl and Habs 1984).

Three mouse studies reported carcinogenicity following exposure to saccharin. Two of these studies involved surgical implantation of saccharin-containing cholesterol pellets into the urinary bladders and resulted in development of malignant urothelial neoplasms (Allen *et al.* 1957, Bryan *et al.* 1970). In the third study, dietary exposure to sodium saccharin resulted in increased incidences of malignant thyroid-gland neoplasms (Prasad and Rai 1986). Although the data from studies in mice cannot be discounted, some of these studies had methodological flaws, provided limited information, did not show a dose-response relationship, or had unexpected outcomes that may be species- or strain-specific, and should be verified by additional studies. The results of four studies in mice were

judged negative for tumorigenesis (Roe *et al.* 1970, Kroes *et al.* 1977, Homberger 1978, Frederick *et al.* 1989), as were limited studies in nonhuman primates (McChesney *et al.* 1977, Sieber and Adamson 1978, Thorgierson *et al.* 1994, Cohen *et al.* 1996) and a single hamster study (Althoff *et al.* 1975).

Cancer Studies in Humans

Most of the relevant human epidemiology studies examined associations between urinary-bladder cancer and artificial sweeteners, rather than saccharin *per se*. The time-trend data for urinary-bladder cancer showed no clear indication that the increased use of saccharin or artificial sweeteners commencing in the 1940s was associated with a general increase in urinary-bladder cancer when confounding factors, chiefly smoking, were controlled for. Risks of urinary-bladder cancer in diabetics, who presumably consume greater amounts of artificial sweeteners than the general population, were no greater than risks in the general population (Armstrong and Doll 1975). Based upon several case-control studies, there was no overall association between use of artificial sweeteners and urinary-bladder cancer (reviewed by IARC 1980, 1987b, JECFA 1993). However, an association between use of artificial sweeteners and urinary-bladder cancer could not be ruled out in some case-control subgroups, albeit involving small numbers (Howe *et al.* 1980, Hoover and Strasser 1980, Cartwright *et al.* 1981, Morrison *et al.* 1982, Mommsen *et al.* 1983). Taken together, the available epidemiology data show no consistent evidence that saccharin is associated with increased urinary-bladder cancer in general; however, a small increased risk in some subgroups, such as heavy users of artificial sweeteners, cannot be unequivocally excluded. With regard to the general population, if sodium saccharin is a risk factor, it is weak, and a causal relationship with cancer cannot be proven or disproven, because of a lack of exposure data and intrinsic limitations of the available epidemiology studies.

Studies on Mechanisms of Carcinogenesis

Extensive studies of the mutagenicity and genotoxicity of saccharin have shown generally negative but occasionally conflicting results. Sodium saccharin is essentially nonmutagenic in conventional bacterial systems, but is weakly clastogenic or genotoxic in short-term *in vitro* and in some *in vivo* test systems (reviewed by Ashby 1985, IARC 1987a,b, Whysner and Williams 1996). Urine from mice exposed to sodium saccharin was mutagenic in *Salmonella typhimurium* in one study (Batzinger *et al.* 1977). Saccharin does not covalently bind to DNA and does not induce unscheduled DNA synthesis in urinary-bladder urothelium.

Saccharin-induced carcinogenesis in rats showed a sex predilection for males (Tisdell *et al.* 1974, Arnold *et al.* 1980, Taylor *et al.* 1980), an organ specificity for urinary bladder (Tisdell *et al.* 1974, Arnold *et al.* 1980, Taylor *et al.* 1980, Fukushima *et al.* 1983, Schoenig *et al.* 1985), and a dose-response when exposure to dietary concentrations of 1% to 7.5% of the sodium salt of saccharin was begun early in life (beginning at birth or immediately at weaning) and continued for approximately two years (Schoenig *et al.* 1985). The results of mechanistic studies have shown that certain physiological conditions must be simultaneously or sequentially present for induction of urinary-bladder tumorigenesis. These conditions include a urinary pH greater than 6.5, increased urinary sodium concentration, increased urine volume, decreased urine osmolality, and presence of urinary crystals or precipitate, with resulting damage to the urothelium prompting a proliferative (hyperplastic) response of the urinary-bladder epithelium. All of these conditions have been studied extensively in male rats but less so in female rats or in mice. The high levels of urinary protein characteristically produced by male rats may partially explain

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the sex predilection. The high intrinsic rate of urothelial proliferation at about the time of weaning is also believed to contribute to the observed tumorigenic effects. The urinary milieu in rats, especially male rats, is sufficiently different from that in humans or other species to support the contention that these observations are specific to rats. Pharmacokinetic and metabolism data on sodium saccharin do not explain the male rat's sensitivity for induction of urinary-bladder neoplasms (Sweatman and Renwick 1979, 1980).

Action On Nomination

Saccharin will be removed from the Report on Carcinogens, because the data on cancer in rodents are not sufficient to meet the current criteria to list this chemical as *reasonably anticipated to be a human carcinogen*. This decision is based on the perception that the observed urinary-bladder tumors in rats arise by mechanisms not relevant to humans, and the lack of data in humans suggesting a carcinogenic hazard.

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Appendix C: Substances Reviewed but Not Recommended for Listing in the Report on Carcinogens

Nominated agents, substances, mixtures, or exposure circumstances all are considered for possible listing in the Report on Carcinogens. For many of these, it is possible to determine that there are insufficient data available to warrant any formal consideration by the scientific review groups without carrying out an extensive evaluation. For others, relevant animal or human cancer studies do exist, but, after a formal consideration, the review groups reach the conclusion that the data do not warrant listing the agent, substance, mixture, or exposure circumstance in the Report on Carcinogens. The following table

contains a record of nominations that were formally considered for listing by the NTP and, after evaluation by the Report on Carcinogens review groups, were recommended not to be listed in the Report on Carcinogens. Background documents outlining in more detail the issues considered during formal reviews of a nomination can be obtained by contacting the National Toxicology Program at the following address: National Toxicology Program, Report on Carcinogens Center, P.O. Box 12233, MD K2-14, Research Triangle Park, NC 27709.

Substance Name	CAS Number	Reviewed for Listing in	Reason for not Listing
Methyl <i>tert</i> -butyl ether (MTBE)	1634-04-4	Ninth RoC (1999)	Rodent cancer data not sufficient
Nickel alloys		Tenth RoC (2000)	Human data are inadequate and rodent cancer data not sufficient
Diethanolamine	111-42-2	Eleventh RoC (2004)	Rodent cancer data not sufficient

Appendix D: List of Participants

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Appendix E: Chemicals Nominated to the NTP for In- Depth Toxicological Evaluation

A searchable database of substances nominated to the NTP for toxicological testing is available on the NTP website at <http://ntp.niehs.nih.gov/go/nom-search>. The available information includes the substance nominated and the nomination date, source, rationale, and status. If NTP testing has been conducted, a link is provided to the results and status information. Nominations can be searched by substance name, Chemical Abstract Service Registry Number (CASRN) or keyword.

The Management Status Report (<http://ntp.niehs.nih.gov/go/MSR-index>) gives the status of substances selected for study using standard 2-week, 13-week, and/or 2-year toxicology and carcinogenicity protocols. Abstracts for all published NTP long-term carcinogenicity technical reports and short-term toxicity study reports are available electronically on the NTP Web site. To view the abstracts or download full reports, visit <http://ntp.niehs.nih.gov>.

For additional information about NTP studies, contact Central Data Management, Mail Drop K2-05, NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709 (phone: 919-541-3419; e-mail: CDM@niehs.nih.gov).

Appendix F: Substance Names and Common Synonyms

A

2-AAF *see* 2-Acetylaminofluorene
 ABP *see* 4-Aminobiphenyl
 ABVD therapy *see* Dacarbazine
 ADBAQ *see* 1-Amino-2,4-dibromoanthraquinone
 AFB1 *see* Aflatoxins
 As *see* Arsenic and Inorganic Arsenic Compounds
 5-AzaC *see* Azacitidine
 2-acetamidofluorene *see* 2-Acetylaminofluorene
 2-acetaminofluorene *see* 2-Acetylaminofluorene
 acetate blue G *see* Disperse Blue 1
 acetic aldehyde *see* Acetaldehyde
 acetothioamide *see* Thioacetamide
 acetylaldehyde *see* Acetaldehyde
 acetylhydride *see* Acetaldehyde
 acid red 114 (C.I.) *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
 aciniform carbon *see* Soots
 acrylic acid amide *see* Acrylamide
 actinolite *see* Asbestos
 actinon *see* Ionizing Radiation, Radon
 alcohol drinking *see* Alcoholic Beverage Consumption
 aluminum-beryllium alloy *see* Beryllium and Beryllium Compounds
o-aminoanisole *see* *o*-Anisidine and Its Hydrochloride
 2-aminoanisole hydrochloride *see* *o*-Anisidine and Its Hydrochloride
 2-amino-9,10-anthracenedione *see* 2-Aminoanthraquinone
 β -aminoanthraquinone *see* 2-Aminoanthraquinone
 2-aminoazotoluene *see* *o*-Aminoazotoluene
p-aminobiphenyl *see* 4-Aminobiphenyl
 2-amino-3,4-dimethylimidazo[4,5-*f*]quinoline *see* Heterocyclic Amines (Selected)
 2-amino-3,8-dimethylimidazo[4,5-*f*]quinoxaline *see* Heterocyclic Amines (Selected)
 4-aminodiphenyl *see* 4-Aminobiphenyl
p-aminodiphenyl *see* 4-Aminobiphenyl
para-aminodiphenyl *see* 4-Aminobiphenyl
 1-amino-2-methyl-9,10-anthracenedione *see* 1-Amino-2-methylanthraquinone
 2-amino-3-methyl-3*H*-imidazo(4,5-*f*)quinoline *see* Heterocyclic Amines (Selected), 2-Amino-3-methylimidazo[4,5-*f*]quinoline (IQ)
 2-amino-1-methyl-6-phenylimidazo[4,5-*b*]pyridine *see* Heterocyclic Amines (Selected)
 2-amino-3-methylimidazo[4,5-*f*]quinoline *see* Heterocyclic Amines (Selected)
 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-benzenamine, monohydrochloride *see* Basic Red 9 Monohydrate
 4-amino-1- β -D-ribofuranosyl-1,3,5-triazin-2(1*H*)-one *see* Azacitidine
 3-amino-1,2,4-triazol *see* Amitrole
 aminotriazole *see* Amitrole
 amosite *see* Asbestos

analgesic mixtures containing phenacetin *see* Phenacetin and Analgesic Mixtures Containing Phenacetin
 2-anisidine hydrochloride *see* *o*-Anisidine and Its Hydrochloride
 anthophyllite *see* Asbestos
 Aroclor 1016 *see* Polychlorinated Biphenyls
 Aroclor 1221 *see* Polychlorinated Biphenyls
 Aroclor 1242 *see* Polychlorinated Biphenyls
 Aroclor 1248 *see* Polychlorinated Biphenyls
 Aroclor 1254 *see* Polychlorinated Biphenyls
 Aroclor 1260 *see* Polychlorinated Biphenyls
 Aroclor 1262 *see* Polychlorinated Biphenyls
 arsanilic acid *see* Arsenic and Inorganic Arsenic Compounds
 arsenate *see* Arsenic and Inorganic Arsenic Compounds
 arsenite *see* Arsenic and Inorganic Arsenic Compounds
 arsenous oxide *see* Arsenic and Inorganic Arsenic Compounds
 arsenous trichloride *see* Arsenic and Inorganic Arsenic Compounds
 arsine *see* Arsenic and Inorganic Arsenic Compounds
 5-azacytidine *see* Azacitidine

B

B-1 glass fibers *see* Certain Glass Wool Fibers (Inhalable)
 B-09 glass fibers *see* Certain Glass Wool Fibers (Inhalable)
 B-20 glass fibers *see* Certain Glass Wool Fibers (Inhalable)
 BA *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benz[*a*]anthracene
 B[*a*]P *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benzo[*a*]pyrene
 BB-153 (hexabromobiphenyl) *see* Polybrominated Biphenyls
 B[*b*]F *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benzo[*b*]fluoranthene
 BBMP *see* 2,2-Bis(bromomethyl)-1,3-propanediol (Technical Grade)
 BCME *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether
 BCNU *see* Nitrosourea Chemotherapeutic Agents, Bis(chloroethyl) Nitrosourea
 Be *see* Beryllium and Beryllium Compounds
 BHA *see* Butylated Hydroxyanisole
 B[*j*]F *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benzo[*j*]fluoranthene
 B[*k*]F *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benzo[*k*]fluoranthene
 basic fuchsin *see* Basic Red 9 Monohydrate
 basic red 9 *see* Basic Red 9 Monohydrate
 basic red 9 monohydrochloride (C.I.) *see* Basic Red 9 Monohydrate
 basic zinc chromate *see* Chromium Hexavalent Compounds
 beer *see* Alcoholic Beverage Consumption
 1,2-benzanthracene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benz[*a*]anthracene
 benz[*a*]anthracene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
 benz[*a*]anthracene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benz[*a*]anthracene
 benz[*e*]acephenanthrylene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Benzo[*b*]fluoranthene
 benzidine dye class *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
 benzo[*b*]fluoranthene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings

benzo[*j*]fluoranthene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings

benzo[*k*]fluoranthene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings

benzoic trichloride *see* Benzotrichloride

benzol *see* Benzene

benzo[*rst*]pentaphene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[*a,i*]pyrene

benzo[*a*]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings

beryl ore *see* Beryllium and Beryllium Compounds

beta-aminoanthraquinone *see* 2-Aminoanthraquinone

beta-naphthylamine *see* 2-Naphthylamine

bidis *see* Tobacco-Related Exposures, Tobacco Smoking

2,2'-bioxirane *see* Diepoxybutane

4-biphenylamine *see* 4-Aminobiphenyl

2,2-bis(bromomethyl)propane-1,3-diol *see* 2,2-Bis(bromomethyl)-1,3-propanediol (Technical Grade)

bis(chloroethyl) nitrosourea *see* Nitrosourea Chemotherapeutic Agents, Bis(chloroethyl) Nitrosourea

4-[bis(2-chloroethyl)amino]-L-phenylalanine *see* Melphalan

4-[*p*-[bis(2-chloroethyl)amino]phenyl]butyric acid *see* Chlorambucil

bis(2-chloroethyl)sulfide *see* Mustard Gas

4-[bis(2-chloromethyl)amino]benzenebutanoic acid *see* Chlorambucil

4,4'-bis(dimethylamino)benzophenone *see* Michler's Ketone

bis(2-ethylhexyl) ester 1,2-benzenedicarboxylic acid *see* Di(2-ethylhexyl) Phthalate

bis(2-ethylhexyl phthalate) *see* Di(2-ethylhexyl) Phthalate

3,3-bis(4-hydroxyphenyl)-1-(3*H*)-isobenzofuranone *see* Phenolphthalein

broad-spectrum ultraviolet radiation *see* Ultraviolet Radiation Related Exposures

bromoethene *see* Vinyl Halides (Selected), Vinyl Bromide

busulfan *see* 1,4-Butanediol Dimethanesulfonate

Busulfex *see* 1,4-Butanediol Dimethanesulfonate

1,3-butadiene diepoxide *see* Diepoxybutane

butane diepoxide *see* Diepoxybutane

1,4-butanediol dimethanesulphonate *see* 1,4-Butanediol Dimethanesulfonate

butter yellow *see* 4-Dimethylaminoazobenzene

C

Cd *see* Cadmium and Cadmium Compounds

CEP *see* Epichlorohydrin

C.I. 42500 *see* Basic Red 9 Monohydrochloride

C.I. 64500 *see* Disperse Blue 1

C.I. acid red 114 *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine

C.I. basic red monohydrochloride *see* Basic Red 9 Monohydrochloride

C.I. direct black 38 *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine

C.I. disperse blue 1 *see* Disperse Blue 1

C.I. direct blue 6 *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine

C.I. direct blue 15 *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine

C.I. direct brown 95 *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine

C.I. disperse orange *see* 1-Amino-2-methylantraquinone

C.I. solvent yellow 3 *see* *o*-Aminoazotoluene

CCNU *see* Nitrosourea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea

CMME *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether

Co *see* Cobalt-Related Exposures, Cobalt and Cobalt Compounds That Release Cobalt Ions *In Vivo*

Co/WC *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals

calcium arsenate *see* Arsenic and Inorganic Arsenic Compounds

calcium arsenite *see* Arsenic and Inorganic Arsenic Compounds

calcium chromate *see* Chromium Hexavalent Compounds

camphechlor *see* Toxaphene

carbamic acid ethyl ester *see* Urethane

carbamidithioic acid, diethyl-, 2-chloro-2-propenyl ester *see* Sulfallate

carbon cenospheres *see* Soots

carbonaceous xerogol particles *see* Soots

carmustine *see* Nitrosourea Chemotherapeutic Agents, Bis(chloroethyl) Nitrosourea

cemented carbides *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals

CertainTeed B glass fiber *see* Certain Glass Wool Fibers (Inhalable)

chewing tobacco *see* Tobacco-Related Exposures, Smokeless Tobacco

chinofer *see* Iron Dextran Complex

2-chlorallyl diethyldithiocarbamate *see* Sulfallate

chlordecone *see* Kepone

chloroethamine *see* Nitrogen Mustard Hydrochloride

chlorinated camphene *see* Toxaphene

4-chloro-1,2-benzenediamine *see* 4-Chloro-*o*-phenylenediamine

2-chloro-1,3-butadiene *see* Chloroprene

chlorocamphene *see* Toxaphene

2-chloro-*N*-(2-chloroethyl)-*N*-methylethanamine *see* Nitrogen Mustard Hydrochloride

1-chloro-2,3-dibromopropane *see* 1,2-Dibromo-3-chloropropane

3-chloro-1,2-dibromopropane *see* 1,2-Dibromo-3-chloropropane

chlorodiphenyls *see* Polychlorinated Biphenyls

1-chloro-2,3-epoxypropane *see* Epichlorohydrin

chloroethene *see* Vinyl Halides (Selected), Vinyl Chloride

2-(((2-chloroethyl)nitrosoamino)carbonyl)amino)-2-deoxy-D-glucose *see* Nitrosourea Chemotherapeutic Agents, Chlorozotocin

chloromethyl methyl ether *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether

chloromethyl oxirane *see* Epichlorohydrin

4-chloro-2-methylaniline *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride

4-chloro-2-methylbenzenamine *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride

4-chloro-2-methylbenzenamine hydrochloride *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride

1-chloro-2-methylpropene *see* Dimethylvinyl Chloride

1-chloro-2-methyl-1-propene *see* Dimethylvinyl Chloride

3-chloro-2-methyl-1-propene *see* 3-Chloro-2-methylpropene
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4-chloro-*o*-toluidine *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride
4-chloro-*o*-toluidine hydrochloride *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride
chromated copper arsenate (CCA) *see* Arsenic and Inorganic Arsenic Compounds *and* Chromium Hexavalent Compounds
chromates *see* Chromium Hexavalent Compounds
chromic trioxide *see* Chromium Hexavalent Compounds
chromium VI *see* Chromium Hexavalent Compounds
chrysazin *see* Danthron
chrysotile *see* Asbestos
ciclosporin *see* Cyclosporin A
cigarettes *see* Tobacco-Related Exposures, Tobacco Smoking
cigars *see* Tobacco-Related Exposures, Tobacco Smoking
***cis*-dichlorodiamine platinum (II)** *see* Cisplatin
***cis*-1,3-dichloropropene** *see* 1,3-Dichloropropene (Technical Grade)
Clophen A *see* Polychlorinated Biphenyls
Clophens *see* Polychlorinated Biphenyls
coal tar distillates *see* Coal Tars and Coal Tar Pitches
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cobalt(II) oxide *see* Cobalt-Related Exposures, Cobalt and Cobalt Compounds That Release Cobalt Ions *In Vivo*
cobalt(II) sulfate *see* Cobalt-Related Exposures, Cobalt and Cobalt Compounds That Release Cobalt Ions *In Vivo*
coke and char fragments *see* Soots
conjugated estrogens *see* Estrogens, Steroidal
copper-beryllium alloy *see* Beryllium and Beryllium Compounds
crystalite *see* Silica, Crystalline (Respirable Size)
crocidolite *see* Asbestos
crystalline quartz *see* Silica, Crystalline (Respirable Size)
crystalline silica, respirable *see* Silica, Crystalline (Respirable Size)
crystalline silicon dioxide *see* Silica, Crystalline (Respirable Size)
(*R*-(*R,*R**-(*E*)))**-cyclic(L-alanyl-D-alanyl-*N*-methyl-L-leucyl-*N*-methyl-L-leucyl-*N*-methyl-L-valyl-3-hydroxy-*N*,4-dimethyl-L-2-amino-6-octenoyl-L- α -aminobutyryl-*N*-methylglycyl-*N*-methyl-L-leucyl-L-valyl-*N*-methyl-L-leucyl) *see* Cyclosporin A
cyclosporine *see* Cyclosporin A

D

DAAB *see* Diazoaminobenzene
DB[a,e]P *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,e]pyrene
DB[a,h]A *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,h]anthracene
DB[a,h]P *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,h]pyrene
DB[a,h]AC *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,h]acridine
DB[a,i]P *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,i]pyrene
DB[a,j]AC *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,j]acridine
DB[a,l]P *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,l]pyrene

DBCP *see* 1,2-Dibromo-3-chloropropane
DBP *see* 2,3-Dibromo-1-propanol
DDT *see* Dichlorodiphenyltrichloroethane
***o*-*o*'-DDT** *see* Dichlorodiphenyltrichloroethane
***o*-*p*'-DDT** *see* Dichlorodiphenyltrichloroethane
***p*,*p*'-DDT** *see* Dichlorodiphenyltrichloroethane
DEHP *see* Di(2-ethylhexyl) Phthalate
DEN *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodiethylamine
DES *see* Diethylstilbestrol
DMN *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodimethylamine
danthron *see* Danthron
decabromobiphenyl *see* Polybrominated Biphenyls
1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-cyclobuta[cd]pentalen-2-one *see* Kepone
2-deoxy-2((methyl-nitrosoamino)carbonyl)amino)-D-glucopyranose *see* Nitrosourea Chemotherapeutic Agents, Streptozotocin
dextran iron complex *see* Iron Dextran Complex
4,4'-diaminobiphenyl *see* Benzidine
4,4'-diaminodiphenyl ether *see* 4,4'-Oxydianiline
diaminodiphenyl ether *see* 4,4'-Oxydianiline
4,4'-diaminodiphenyl sulfide *see* 4,4'-Thiodianiline
4,4'-diaminodiphenylmethane *see* 4,4'-Methylenedianiline and Its Dihydrochloride
***o*-dianisidine** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
dibenz[a,h]acridine *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenz[a,j]acridine *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenz[a,h]anthracene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
7H-dibenzo[c,g]carbazole *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenzo[b,c,e,f]chrysene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,h]pyrene
dibenzo[def,p]chrysene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,l]pyrene
1,2,4,5-dibenzopyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,e]pyrene
3,4,9,10-dibenzopyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[a,i]pyrene
dibenzo[a,e]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenzo[a,h]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenzo[a,i]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
dibenzo[a,l]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
2,4-dibromo-1-anthraquinonylamine *see* 1-Amino-2,4-dibromoanthraquinone
dibromoneopentyl glycol *see* 2,2-Bis(bromomethyl)-1,3-propanediol (Technical Grade)
2,3-dibromopropanol *see* 2,3-Dibromo-1-propanol
2,3-dibromopropan-1-ol *see* 2,3-Dibromo-1-propanol
2,3-dibromo-1-propanol phosphate (3:1) *see* Tris(2,3-dibromopropyl) Phosphate

- p-dichlorobenzene** *see* 1,4-Dichlorobenzene
- 3,3'-dichloro-(1,1'-biphenyl)-4,4'-diamine** *see* 3,3'-Dichlorobenzidine and Its Dihydrochloride
- 3,3'-dichloro-(1,1'-biphenyl)-4,4'-diamine dihydrochloride** *see* 3,3'-Dichlorobenzidine and Its Dihydrochloride
- dichlorobromomethane** *see* Bromodichloromethane
- dichlorodimethyl ether, symmetrical** *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether
- 2,2-dichloro-N-(2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl)-, (R-(R*,R*))-nitrophenyl)ethyl]acetamide** *see* Chloramphenicol
- [R-(R*,R*)-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide** *see* Chloramphenicol
- 2,4-dichloro-1-(4-nitrophenoxy)benzene** *see* Nitrofen
- 2,4-dichlorophenyl-p-nitrophenyl ether** *see* Nitrofen
- 1,3-dichloro-1-propene** *see* 1,3-Dichloropropene (Technical Grade)
- (E)-1,3-dichloropropene** *see* 1,3-Dichloropropene (Technical Grade)
- (Z)-1,3-dichloropropene** *see* 1,3-Dichloropropene (Technical Grade)
- dichromates** *see* Chromium Hexavalent Compounds
- 1,2:3,4-diepoxybutane** *see* Diepoxybutane
- diethyl ester sulfuric acid** *see* Diethyl Sulfate
- diethyl sulphate** *see* Diethyl Sulfate
- (E)-4,4'-(1,2-diethyl-1,2-ethenediyl)bisphenol** *see* Diethylstilbestrol
- diethylhexyl phthalate** *see* Di(2-ethylhexyl) Phthalate
- diethylnitrosamine** *see* N-Nitrosamines: 15 Listings, N-Nitrosodiethylamine
- Diethylstilboestrol** *see* Diethylstilbestrol
- Difolatan** *see* Captafol
- 2,3-dihydro-6-propyl-2-thioxo-4(1H)-pyrimidinone** *see* Propylthiouracil
- 1,8-dihydroxy-9,10-anthracenedione** *see* Danthron
- 1,8-dihydroxyanthraquinone** *see* Danthron
- 1,3-diisocyanatomethylbenzene** *see* Toluene Diisocyanates
- Dilantin** *see* Phenytoin and Phenytoin Sodium
- 3,3'-dimethoxybenzidine dye class** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- dimethyl ester sulfuric acid** *see* Dimethyl Sulfate
- p-dimethylaminoazobenzene** *see* 4-Dimethylaminoazobenzene
- para-dimethylaminoazobenzene** *see* 4-Dimethylaminoazobenzene
- 4,4'-(dimethylamino)benzophenone** *see* Michler's Ketone
- 3,3'-dimethylbenzidine dye class** *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
- dimethylcarbamic chloride** *see* Dimethylcarbamoil Chloride
- (1,1-dimethylethyl)-4-methoxyphenol** *see* Butylated Hydroxyanisole
- dimethylnitrosamine** *see* N-Nitrosamines: 15 Listings, N-Nitrosodimethylamine
- 3,4-dimethyl-3H-imidazo[4,5-f]quinolin-2-amine** *see* Heterocyclic Amines (Selected), 2-Amino-3,4-dimethylimidazo[4,5-f]quinoline (MeIQ)
- 3,8-dimethyl-3H-imidazo[4,5-f]quinoxalin-2-amine** *see* Heterocyclic Amines (Selected), 2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx)
- 5-(3,3-dimethyl-1-triazenyl)1H-imidazole-4-carboxamide** *see* Dacarbazine
- 1,6-dinitropyrene** *see* Nitroarenes (Selected)
- 1,8-dinitropyrene** *see* Nitroarenes (Selected)
- dioctyl phthalate** *see* Di(2-ethylhexyl) Phthalate
- di-sec-octyl phthalate** *see* Di(2-ethylhexyl) Phthalate
- dioxin** *see* 2,3,7,8-Tetrachlorodibenzo-p-dioxin
- diphenylan** *see* Phenytoin and Phenytoin Sodium
- (Z)-2-[4-(1,2-diphenyl-1-butenyl)phenoxy]-N,N-dimethylethanamine** *see* Tamoxifen
- diphenylhydantoin** *see* Phenytoin and Phenytoin Sodium
- 5,5-diphenylhydantoin** *see* Phenytoin and Phenytoin Sodium
- 1,2-diphenylhydrazine** *see* Hydrazobenzene
- 5,5-diphenyl-2,4-imidazolidinedione** *see* Phenytoin and Phenytoin Sodium
- 1,3-diphenyltriazene** *see* Diazoaminobenzene
- direct black 38 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- direct blue 1 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct blue 2 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine
- direct blue 6 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- direct blue 8 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct blue 14 (C.I.)** *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
- direct blue 15 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct blue 76 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct blue 98 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct blue 218 (C.I.)** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
- direct brown 2 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- direct brown 95 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- direct green 6 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- direct red 28 (C.I.)** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- disodium hydrogen arsenate** *see* Arsenic and Inorganic Arsenic Compounds
- disperse orange** *see* 1-Amino-2-methylanthraquinone
- 1,1a,2,2,3,3a,4,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta(cd)pentalene** *see* Mirex
- Dowicide EC-7** *see* Pentachlorophenol and By-products of Its Synthesis
- doxorubicin hydrochloride** *see* Adriamycin
- dyes metabolized to benzidine** *see* Benzidine and Dyes Metabolized to Benzidine, Dyes Metabolized to Benzidine
- dyes metabolized to 3,3'-dimethoxybenzidine** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine

dyes metabolized to 3,3'-dimethylbenzidine *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine

E

EBV *see* Viruses (Selected), Epstein-Barr Virus
EDB *see* 1,2-Dibromoethane
ENU *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-ethylurea
ETS *see* Tobacco-Related Exposures, Environmental Tobacco Smoke
ETU *see* Ethylene Thiourea
E-glass fibers *see* Certain Glass Wool Fibers (Inhalable)
environmental tobacco smoke *see* Tobacco-Related Exposures
1,2-epoxyethylbenzene *see* Styrene-7,8-oxide
1-epoxyethyl-3,4-epoxycyclohexane *see* 4-Vinyl-1-cyclohexene Diepoxide
estradiol *see* Estrogens, Steroidal
estrone *see* Estrogens, Steroidal
ethanal *see* Acetaldehyde
ethanol *see* Alcoholic Beverage Consumption
ethinylestradiol *see* Estrogens, Steroidal
ethyl aldehyde *see* Acetaldehyde
ethyl carbamate *see* Urethane
ethyl methanesulphonate *see* Ethylmethanesulfonate
ethylene dibromide *see* 1,2-Dibromoethane
ethylene dichloride *see* 1,2-Dichloroethane
ethylenethiourea *see* Ethylene Thiourea
1-ethyl-1-nitrosoourea *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-ethylurea
eugenol methyl ether *see* Methyl Eugenol

F

FF-1 *see* Polybrominated Biphenyls
fast garnet GBC base *see* *o*-Aminoazotoluene
ferrochromium *see* Chromium Hexavalent Compounds
FG insulation fiberglass *see* Certain Glass Wool Fibers (Inhalable)
FireMaster BP-6 *see* Polybrominated Biphenyls
FireMaster FF1 *see* Polybrominated Biphenyls
Firemaster t 23 *see* Tris(2,3-dibromopropyl) Phosphate
flavatoxin *see* Aflatoxins
2-fluorenylacetamide *see* 2-Acetylaminofluorene
fluoroethene *see* Vinyl Halides (Selected), Vinyl Fluoride
formalin *see* Formaldehyde
Fosphenytoin *see* Phenytoin and Phenytoin Sodium

G

gamma radiation *see* Ionizing Radiation, X-Radiation and Gamma Radiation
gamma-hexachlorocyclohexane *see* Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
glass code 104 *see* Certain Glass Wool Fibers (Inhalable)
glass code 108b *see* Certain Glass Wool Fibers (Inhalable)
glass code 110 *see* Certain Glass Wool Fibers (Inhalable)
glass wool fiber B *see* Certain Glass Wool Fibers (Inhalable)
glass wool fiber P *see* Certain Glass Wool Fibers (Inhalable)
glass wool fiber V *see* Certain Glass Wool Fibers (Inhalable)
glycidaldehyde *see* Glycidol

H

7H-DB[c,g]C *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, 7H-Dibenzo[c,g]carbazole
7H-dibenzo[c,g]carbazole *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
HBV *see* Viruses (Selected), Hepatitis B Virus
HCA's *see* Heterocyclic Amines (Selected)
HCH *see* Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
HCV *see* Viruses (Selected), Hepatitis C Virus
HHV-4 *see* Viruses (Selected), Epstein-Barr Virus
HHV-8 *see* Viruses (Selected), Kaposi Sarcoma-Associated Herpesvirus
HIV-1 *see* Viruses (Selected), Human Immunodeficiency Virus Type 1
HMPA *see* Hexamethylphosphoramide
HPV *see* Human Papillomaviruses: Some Genital-Mucosal Types
HTLV-1 *see* Viruses (Selected), Human T-Cell Lymphotropic Virus Type 1
hard metals *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals
heptabromobiphenyls *see* Polybrominated Biphenyls
heptachlorobiphenyls *see* Polychlorinated Biphenyls
hexabromobiphenyls *see* Polybrominated Biphenyls
1,4,5,6,7,7-hexa-chlorobicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid *see* Chlorendic Acid
hexachlorobiphenyls *see* Polychlorinated Biphenyls
hexachlorocyclohexane *see* Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
 γ -hexachlorocyclohexane *see* Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
hexachlorocyclohexane isomers *see* Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
hexamethylphosphoric triamide *see* Hexamethylphosphoramide
hexavalent chromium compounds *see* Chromium Hexavalent Compounds
human herpesvirus 4 *see* Epstein-Barr Virus
human herpesvirus 8 *see* Kaposi Sarcoma-Associated Herpesvirus
14-hydroxydaunomycin *see* Adriamycin
17-hydroxy-2-(hydroxymethylene)-17-methyl-5 α ,17 β -androstane-3-one *see* Oxymetholone
(17 α)-17-hydroxy-19-norpregn-4-en-20-yn-3-one *see* Norethisterone

I

IP *see* Indeno[1,2,3-cd]pyrene
IQ *see* Heterocyclic Amines (Selected), 2-Amino-3-methylimidazo[4,5-f]quinoline
2-imidazolidinethione *see* Ethylene Thiourea
indeno[1,2,3-cd]pyrene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
Infed *see* Iron Dextran Complex
inorganic acid mists *see* Strong Inorganic Acid Mists Containing Sulfuric Acid
insulation glass fibers *see* Certain Glass Wool Fibers (Inhalable)
involuntary smoking *see* Tobacco-Related exposure, Environmental Tobacco Smoke
iron-carbohydrate complexes *see* Iron Dextran Complex

isocyanic acid *see* Toluene Diisocyanates

isopropylbenzene *see* Cumene

J

JM 104/475 glass fibers *see* Certain Glass Wool Fibers (Inhalable)

K

KSHV *see* Viruses (Selected), Kaposi Sarcoma–Associated Herpesvirus

Kanechlor 500 *see* Polychlorinated Biphenyls

L

lead acetate *see* Lead and Lead Compounds

lead arsenate *see* Arsenic and Inorganic Arsenic Compounds

lead chromates *see* Chromium Hexavalent Compounds *and* Lead and Lead Compounds

lead phosphate *see* Lead and Lead Compounds

lomustine *see* Nitrosourea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea

lubricant base oils *see* Mineral Oils: Untreated and Mildly Treated

M

MBOCA *see* 4,4'-Methylenebis(2-chloroaniline)

5-MC *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, 5-Methylchrysene

MCPyV *see* Viruses (Selected), Merkel Cell Polyomavirus

MCV *see* Viruses (Selected), Merkel Cell Polyomavirus

MeCCNU *see* Nitrosourea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea

MeIQ *see* Heterocyclic Amines (Selected), 2-Amino-3,4-dimethylimidazo[4,5-*f*]quinoline

MeIQx *see* Heterocyclic Amines (Selected), 2-Amino-3,8-dimethylimidazo-[4,5-*f*]quinoxaline

MMNG *see* *N*-Nitrosamines: 15 Listings, *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine

MMVF 33 glass fibers *see* Certain Glass Wool Fibers (Inhalable)

MMVF 10 *see* Certain Glass Wool Fibers (Inhalable)

MMVF 10a *see* Certain Glass Wool Fibers (Inhalable)

MMVF 11 *see* Certain Glass Wool Fibers (Inhalable)

MOCA *see* 4,4'-Methylenebis(2-chloroaniline)

MOPP *see* Nitrogen Mustard Hydrochloride and Procarbazine and Its Hydrochloride

MVNA *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosomethylvinylamine

mainstream smoke *see* Tobacco-Related Exposures, Environmental Tobacco Smoke

man-made mineral fibers *see* Ceramic Fibers (Respirable Size) *and* Certain Glass Wool Fibers (Inhalable)

Manville 901 glass fiber *see* Certain Glass Wool Fibers (Inhalable)

mechlorethamine *see* Nitrogen Mustard Hydrochloride

mechlorethamine hydrochloride *see* Nitrogen Mustard Hydrochloride

mestranol *see* Estrogens, Steroidal

metallic arsenic *see* Arsenic and Inorganic Arsenic Compounds

metallic nickel *see* Nickel Compounds and Metallic Nickel

methallyl chloride *see* 3-Chloro-2-methylpropene

4-methoxy-1,3-benzenediamine *see* 2,4-Diaminoanisole Sulfate

9-methoxy-7*H*-furo [3,2*g*] [1] benzopyran-7-one *see* Methoxsalen with Ultraviolet A Therapy

2-methoxy-5-methylbenzenamine *see* *p*-Cresidine

1-methoxy-2-nitrobenzene *see* *o*-Nitroanisole

4-methoxy-*m*-phenylenediamine sulfate *see* 2,4-Diaminoanisole Sulfate

2-methoxybenzenamine *see* *o*-Anisidine and Its Hydrochloride

8-methoxyypsoralen *see* Methoxsalen with Ultraviolet A Therapy

methyl chloromethyl ether *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether

methyl ester methanesulfonic acid *see* Methyl Methanesulfonate

methyl eugenol *see* Methyleugenol

methyl 18β-hydroxy-11,17α-dimethoxy-3β,20α-yohimban-16β-carboxylate 3,4,5-trimethoxybenzoate (ester) *see* Reserpine

2-methylbenzenamine *see* *o*-Toluidine

4-methyl-1,3-benzenediamine *see* 2,4-Diaminotoluene

2-methyl-1,3-butadiene *see* Isoprene

methyl-CCNU *see* Nitrosourea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea

5-methylchrysene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings

methylene-bis-*o*-chloroaniline *see* 4,4'-Methylenebis(2-chloroaniline)

3-methyl-3*H*-imidazo[4,5-*f*]quinolin-2-amine *see* Heterocyclic Amines (Selected), 2-Amino-3-methylimidazo[4,5-*f*]quinoline (IQ)

2-methyl-4-[(2-methylphenyl)azo]-benzenamine *see* *o*-Aminoazotoluene

2-methyl-5-nitro-1*H*-imidazole-1-ethanol *see* Metronidazole

6-[(1-methyl-4-nitro-1*H*-imidazol-5-yl)thio]-1*H*-purine *see* Azathioprine

1-methyl-3-nitro-1-nitrosoguanidine *see* *N*-Nitrosamines: 15 Listings, *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine

4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone *see* *N*-Nitrosamines: 15 Listings, 4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone

2-methyloxirane *see* Propylene Oxide

methyl-*m*-phenylene ester *see* Toluene Diisocyanates

1-methyl-6-phenyl-1*H*-imidazo[4,5-*b*]pyridin-2-amine *see* Heterocyclic Amines (Selected), 2-Amino-1-methyl-6-phenylimidazo[4,5-*b*]pyridine (PhIP)

methylene chloride *see* Dichloromethane

4,4'-methylenebis(2-chlorobenzeneamine) *see* 4,4'-Methylenebis(2-chloroaniline)

4,4'-methylenebisbenzenamine *see* 4,4'-Methylenedianiline and Its Dihydrochloride

4,4'-methylenebisbenzenamine dihydrochloride *see* 4,4'-Methylenedianiline and Its Dihydrochloride

methylenedianiline dihydrochloride *see* 4,4'-Methylenedianiline and Its Dihydrochloride

4,4'-methylenedianiline dihydrochloride *see* 4,4'-Methylenedianiline and Its Dihydrochloride

4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone *see* *N*-Nitrosamines: 15 Listings, 4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone

methyloxirane *see* Propylene Oxide

Michler's base *see* 4,4'-Methylenebis(*N,N*-dimethyl)benzenamine

mildly treated mineral oils *see* Mineral Oils: Untreated and Mildly Treated

mists, strong inorganic acid *see* Strong Inorganic Acid Mists Containing Sulfuric Acid

Myleran *see* 1,4-Butanediol Dimethanesulfonate

N

NDEA *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodiethylamine
NEU *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-ethylurea
Ni *see* Nickel Compounds and Metallic Nickel
NMU *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-methylurea
NNK *see* *N*-Nitrosamines: 15 Listings, 4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone
NNN *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosornicotine
***n*-propyl bromide** *see* 1-Bromopropane
6-*n*-propylthiouracil *see* Propylthiouracil
***N*-butyl-*N*-nitroso-1-butamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-butylamine
***N*-(2-chloroethyl)-*N'*-cyclohexyl-*N*-nitroso-urea** *see* Nitroso-urea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-cyclohexyl-1-nitroso-urea
***N*-(2-chloroethyl)-*N*-(1-methyl-2-phenoxybenzenemethanamine hydrochloride** *see* Phenoxybenzamine Hydrochloride
***N*-dibutylnitrosoamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-butylamine
***N*-(4-ethoxyphenyl)acetamide** *see* Phenacetin and Analgesic Mixtures Containing Phenacetin
***N*-ethyl-*N*-nitroso-ethanamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodiethylamine
***N*-ethyl-*N*-nitroso-urea** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-ethylurea
***N*-2-fluorenylacetamide** *see* 2-Acetylaminofluorene
***N*-fluoren-2-yl-acetamide** *see* 2-Acetylaminofluorene
***N*-methyl-*N*-nitroso-ethenylamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosomethylvinylamine
***N*-methyl-*N*-nitroso-glycine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrososarcosine
***N*-methyl-*N*-nitroso-*N'*-nitroguanidine** *see* *N*-Nitrosamines: 15 Listings, *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine
***N*-methyl-*N*-nitrosomethanamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodimethylamine
***N*-methyl-*N*-nitroso-urea** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-methylurea
***N*-(1-methylethyl)-4-[(2-methylhydrazino)methyl]-benzamide monohydrochloride** *see* Procarbazine and Its Hydrochloride
***N*-methylvinylnitrosamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosomethylvinylamine
***N,N*-bis(carboxymethyl)glycine** *see* Nitrioltriacetic Acid
***N,N'*-bis(2-chloroethyl)-*N*-nitroso-urea** *see* Nitroso-urea Chemotherapeutic Agents, Bis(chloroethyl) Nitroso-urea
***N,N*-bis(2-chloroethyl)tetrahydro-2*H*-1,3,2-oxaphosphorin-2-amine, 2-oxide monohydrate** *see* Cyclophosphamide
***N,N*-dibutylnitrosoamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-butylamine
***N,N*-diethyldithiocarbamic acid 2-choroallyl ester** *see* Sulfallate
***N,N*-dimethyl-4-aminoazobenzene** *see* 4-Dimethylaminoazobenzene
***N,N*-dimethyl-4-(phenylazo)-benzenamine** *see* 4-Dimethylaminoazobenzene
***N*-Nitroso-*N*-methylglycine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrososarcosine
***N*-nitroso-*N*-propyl-1-propanamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-propylamine
***N*-nitrosodipropylamine** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-propylamine

***N*-nitrosoethylurea** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-ethylurea
***N*-nitrosomethylurea** *see* *N*-Nitrosamines: 15 Listings, *N*-Nitroso-*N*-methylurea
***N*-nitrosophenylhydroxylamine, ethanolamine salt** *see* Cupferron
naphtho(1,2,3,4-*def*)chrysene *see* Polycyclic Aromatic Hydrocarbons: 15 Listings, Dibenzo[*a,e*]pyrene
 β -naphthylamine *see* 2-Naphthylamine
beta-naphthylamine *see* 2-Naphthylamine
neutrons *see* Ionizing Radiation
nickelocene *see* Nickel Compounds and Metallic Nickel
niclofen *see* Nitrofen
2-nitroanisole *see* *o*-Nitroanisole
nitrochlor *see* Nitrofen
6-nitrochrysene *see* Nitroarenes (Selected)
nitrogen mustard *see* Nitrogen Mustard Hydrochloride
1-nitropyrene *see* Nitroarenes (Selected)
4-nitropyrene *see* Nitroarenes (Selected)
nitrosodibutylamine *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodi-*n*-butylamine
2,2'-(nitrosoimino)bis[ethanol] *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosodiethanolamine
4-nitrosomorpholine *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosomorpholine
1-nitroso-piperidine *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosopiperidine
3-(1-nitroso-2-pyrrolidinyl)pyridine *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosornicotine
1-nitrosopyrrolidine *see* *N*-Nitrosamines: 15 Listings, *N*-Nitrosopyrrolidine
2-nitrotoluene *see* *o*-Nitrotoluene
norethindrone *see* Norethisterone

O

***o*-*o'*-DDT** *see* Dichlorodiphenyltrichloroethane
***o*-*p'*-DDT** *see* Dichlorodiphenyltrichloroethane
***o*-aminoanisole** *see* *o*-Anisidine and Its Hydrochloride
***o*-dianisidine** *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine, Dyes Metabolized to 3,3'-Dimethoxybenzidine
***o*-tolidine** *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
octabromobiphenyl *see* Polybrominated Biphenyls
Oleum *see* Strong Inorganic Acid Mists Containing Sulfuric Acid
orange 16 *see* 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine
orthoarsenic acid *see* Arsenic and Inorganic Compounds
Owens-Corning FG insulation fiberglass with binder *see* Certain Glass Wool Fibers (Inhalable)
Owens-Corning FM series air filter media *see* Certain Glass Wool Fibers (Inhalable)
Owens-Corning glass wool *see* Certain Glass Wool Fibers (Inhalable)
1,2-oxathiolane, 2,2-dioxide *see* 1,3-Propane Sultone
2-oxetanone *see* β -Propiolactone
oxirane *see* Ethylene Oxide
oxiranemethanol *see* Glycidol
3-oxiranyl-7-oxabicyclo[4.1.0]heptane *see* 4-Vinyl-1-cyclohexene Diepoxide

4,4'-oxybisbenzenamine *see* 4,4'-Oxydianiline

P

p-aminobiphenyl *see* 4-Aminobiphenyl
p-aminodiphenyl *see* 4-Aminobiphenyl
p-dichlorobenzene *see* 1,4-Dichlorobenzene
p-dimethylaminoazobenzene *see* 4-Dimethylaminoazobenzene
p-rosaniline hydrochloride *see* Basic Red 9 Monohydrate
p,p'-DDT *see* Dichlorodiphenyltrichloroethane
p,p'-tetramethyldiaminodiphenylmethane *see* 4,4'-Methylenebis(*N,N*-dimethyl)benzenamine
PAHs *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
Pb *see* lead
PBBs *see* Polybrominated Biphenyls
PCBs *see* Polychlorinated Biphenyls
PCDD *see* 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin
PhIP *see* Heterocyclic Amines (Selected), 2-Amino-1-methyl-6-phenylimidazo-[4,5-*b*]pyridine
PROP *see* Propylthiouracil
PUVA *see* Methoxsalen with Ultraviolet A Therapy
p-rosaniline hydrochloride *see* Basic Red 9 Monohydrate
para-aminodiphenyl *see* 4-Aminobiphenyl
para-dimethylaminoazobenzene *see* 4-Dimethylaminoazobenzene
paraffins, chlorinated *see* Chlorinated Paraffins
paraformaldehyde *see* Formaldehyde
pararosaniline hydrochloride *see* Basic Red 9 Monohydrochloride
passive smoke *see* Tobacco-Related Exposures, Environmental Tobacco Smoke
pentabromobiphenyl *see* Polybrominated Biphenyls
pentachlorobiphenyl *see* Polychlorinated Biphenyls
perc *see* Tetrachloroethylene
perchloroethylene *see* Tetrachloroethylene
petroleum *see* Mineral Oils: Untreated and Mildly Treated
L-phenylalanine, N-[(5-chloro-3,4-dihydro-8-hydroxy-3-methyl-1-oxo-1*H*-2-benzopyran-7-yl)-carbonyl]-, (R)- *see* Ochratoxin A
3-phenylazo-2,6-diaminopyridine hydrochloride *see* Phenazopyridine Hydrochloride
3-(phenylazo)-2,6-pyridinediamine monohydrochloride *see* Phenazopyridine Hydrochloride
2,2'-(phenylenebis(oxyethylene))bisoxirane *see* Diglycidyl Resorcinol Ether
phenyloxirane *see* Styrene-7,8-oxide
1,1',1''-phosphinothioylidynetrisaziridine *see* Thiotepta
Phthalate esters *see* Di(2-ethylhexyl) Phthalate
pipe smoking *see* Tobacco-Related Exposures
piperazine estrone sulfate *see* Estrogens, Steroidal
platinum, diamminedichloro-, (SP-4-2)- *see* Cisplatin
polychlorinated camphenes *see* Toxaphene
polychlorocamphene *see* Toxaphene
polychlorophenols *see* 2,4,6-Trichlorophenol
polynuclear aromatic hydrocarbons *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
potassium arsenate *see* Arsenic and Inorganic Arsenic Compounds
potassium arsenite *see* Arsenic and Inorganic Arsenic Compounds
potassium chromate *see* Chromium Hexavalent Compounds
potassium dichromate *see* Chromium Hexavalent Compounds
pregn-4-ene-3,20-dione *see* Progesterone

progesterone *see* Progesterone
propane sultone *see* 1,3-Propane Sultone
2-propenamide *see* Acrylamide
2-propenenitrile *see* Acrylonitrile
5-(2-propenyl)-1,3-benzodioxole *see* Safrole
n-propyl bromide *see* 1-Bromopropane
6-propyl-2-thiouracil *see* Propylthiouracil
6-*n*-propylthiouracil *see* Propylthiouracil
propylenimine *see* 2-Methylaziridine
psoralen *see* Methoxsalen with Ultraviolet A Therapy
pyridium *see* Phenazopyridine Hydrochloride

Q

quartz *see* Silica, Crystalline (Respirable Size)

R

Rn *see* Ionizing Radiation, Radon
radiation, ionizing *see* Ionizing Radiation
radon *see* Ionizing Radiation
refractory ceramic fibers *see* Ceramic Fibers (Respirable Size)
resorcinol diglycidyl ether *see* Diglycidyl Resorcinol Ether
respirable crystalline silica *see* Silica, Crystalline (Respirable Size)
p-rosaniline hydrochloride *see* Basic Red 9 Monohydrate

S

SCCP *see* Chlorinated Paraffins
sawdust *see* Wood Dust
Schleicher and Schuell (S&S 106) glass wool fibers *see* Certain Glass Wool Fibers (Inhalable)
secondhand smoke *see* Tobacco-Related Exposures, Environmental Tobacco Smoke
Selsun *see* Selenium Sulfide
semustine *see* Nitrosourea Chemotherapeutic Agents, 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea
short-chain chlorinated paraffins *see* Chlorinated Paraffins
sidestream smoke *see* Tobacco-Related Exposures, Environmental Tobacco Smoke
sintered carbides *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals
smokeless tobacco *see* Tobacco-Related Exposures
snuff *see* Tobacco-Related Exposures, Smokeless Tobacco
sodium arsenate *see* Arsenic and Inorganic Arsenic Compounds
sodium arsenite *see* Arsenic and Inorganic Arsenic Compounds
sodium chromate *see* Chromium Hexavalent Compounds
sodium dichromate *see* Chromium Hexavalent Compounds
sodium equilin sulfate *see* Estrogens, Steroidal
sodium estrone sulfate *see* Estrogens, Steroidal
solar radiation *see* Ultraviolet Radiation Related Exposures
solvent blue 18 (C.I.) *see* Disperse Blue 1
special-purpose glass fibers *see* Certain Glass Wool Fibers (Inhalable)
spirits *see* Alcoholic Beverage Consumption
steroidal estrogens *see* Estrogens, Steroidal
stilbestrol *see* Diethylstilbestrol
strontium chromate *see* Chromium Hexavalent Compounds
styrene oxide *see* Styrene-7,8-oxide
sulfur mustard *see* Mustard Gas

sulfuric acid *see* Strong Inorganic Acid Mists Containing Sulfuric Acid
sunbeds *see* Ultraviolet Radiation Related Exposures, Sunlamps or Sunbeds, Exposure to
sunlamps *see* Ultraviolet Radiation Related Exposures
synthetic mineral fibers *see* Ceramic Fibers (Respirable Size) and Certain Glass Wool Fibers (Inhalable)
synthetic vitreous fibers *see* Certain Glass Wool Fibers (Inhalable)

T

TCDD *see* 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin
2,3,7,8-TCDD *see* 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin
TCE *see* Trichloroethylene
TDI *see* Toluene Diisocyanates
TEPA *see* Thiotepa
TFE *see* Tetrafluoroethylene
TRIS *see* Tris(2,3-dibromopropyl) Phosphate
Telone II *see* 1,3-Dichloropropene (Technical Grade)
Tempstran code 100/475 glass fibers *see* Certain Glass Wool Fibers (Inhalable)
2-tert-butyl-4-hydroxyanisole (2-BHA) *see* Butylated Hydroxyanisole
3-tert-butyl-4-hydroxyanisole (3-BHA) *see* Butylated Hydroxyanisole
1,4,5,8-tetraamino-9,10-anthracenedione *see* Disperse Blue 1
1,4,5,8-tetraaminoanthraquinone *see* Disperse Blue 1
tetrachlorobiphenyl *see* Polychlorinated Biphenyls
tetrachloroethene *see* Tetrachloroethylene
tetrachloromethane *see* Carbon Tetrachloride
tetraethyl lead *see* Lead and Lead Compounds
tetrafluoroethene *see* Tetrafluoroethylene
tetramethyl lead *see* Lead and Lead Compounds
***p,p'*-tetramethyldiaminodiphenylmethane** *see* 4,4'-Methylenebis(*N,N*-Dimethyl)benzenamine
4,4'-thiobisbenzenamine *see* 4,4'-Thiodianiline
1,1'-thiobis(2-chloroethane) *see* Mustard Gas
thiodianiline *see* 4,4'-Thiodianiline
thorium dioxide *see* Ionizing Radiation
thorium oxide *see* Ionizing Radiation, Thorium Dioxide
thoron *see* Ionizing Radiation, Radon
Thorotrast *see* Ionizing Radiation, Thorium Dioxide
tobacco smoking *see* Tobacco-Related Exposures
***o*-tolidine** *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
2,4-toluene diisocyanate *see* Toluene Diisocyanates
2,6-toluene diisocyanate *see* Toluene Diisocyanates
toluenediamine *see* 2,4-Diaminotoluene
tolylene diisocyanate *see* Toluene Diisocyanates
***trans*-1,3-dichloropropene** *see* 1,3-Dichloropropene (Technical Grade)
tremolite *see* Asbestos
1,1,1-trichloro-2,2-bis(*p*-chlorophenyl) ethane *see* Dichlorodiphenyltrichloroethane
trichloroethene *see* Trichloroethylene
1,1,2-trichloroethene *see* Trichloroethylene
trichloromethane *see* Chloroform
1-(trichloromethyl)benzene *see* Benzotrichloride

α,α,α -trichlorotoluene *see* Benzotrichloride
tridymite *see* Silica, Crystalline (Respirable Size)
triethylenethiophosphoramidate *see* Thiotepa
trimethylene methanesulfonate *see* 1,4-Butanediol Dimethanesulfonate
trioxane *see* Formaldehyde
tris(1-aziridinyl)phosphine sulfide *see* Thiotepa
trypan blue *see* 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine, Dyes Metabolized to 3,3'-Dimethylbenzidine
tungsten carbides *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals

U

UMDH *see* 1,1-Dimethylhydrazine
UVA *see* Ultraviolet Radiation Related Exposures
UVB *see* Ultraviolet Radiation Related Exposures
UVC *see* Ultraviolet Radiation Related Exposures
UVR *see* Ultraviolet Radiation Related Exposures
unsymmetrical dimethylhydrazine *see* 1,1-Dimethylhydrazine
untreated mineral oils *see* Mineral Oils: Untreated and Mildly Treated
urethan *see* Urethane

V

Vidaza *see* Azacitidine
4-vinylcyclohexene diepoxide *see* 4-Vinyl-1-cyclohexene Diepoxide
vinylcyclohexene dioxide *see* 4-Vinyl-1-cyclohexene Diepoxide
vitreous fibers, synthetic *see* Certain Glass Wool Fibers (Inhalable)

W

WC/Co *see* Cobalt-Related Exposures, Cobalt-Tungsten Carbide: Powders and Hard Metals
wine *see* Alcoholic Beverage Consumption

X

xanthotoxin *see* Methoxsalen with Ultraviolet A Therapy
X-radiation *see* Ionizing Radiation
X-rays *see* Ionizing Radiation, X-Radiation and Gamma Radiation

Y

yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3 β ,16 β ,17 α ,18 β ,20 α)- *see* Reserpine

Z

(Z)-1,3-dichloropropene *see* 1,3-Dichloropropene (Technical Grade)
(Z)-2-[4-(1,2-diphenylbut-1-enyl)phenoxy]-*N,N*-dimethylethanamine *see* Tamoxifen
Zanosar *see* Streptozocin
zeolites *see* Erionite
zinc beryllium silicate *see* Beryllium and Beryllium Compounds
zinc chromates *see* Chromium Hexavalent Compounds
zinc yellow *see* Chromium Hexavalent Compounds

Appendix G: List of Substances by CAS Number

- 50-00-0 see Formaldehyde
 50-18-0 see Cyclophosphamide
 50-29-3 see Dichlorodiphenyltrichloroethane
 50-32-8 (benzo[*a*]pyrene) see Polycyclic Aromatic Hydrocarbons: 15 Listings
 50-55-5 see Reserpine
 51-52-5 see Propylthiouracil
 51-79-6 see Urethane
 52-24-4 see Thiotepea
 53-70-3 (dibenzo[*a,h*]anthracene) see Polycyclic Aromatic Hydrocarbons: 15 Listings
 53-96-3 see 2-Acetylaminofluorene
 55-18-5 (*N*-Nitrosodiethylamine) see *N*-Nitrosamines: 15 Listings
 55-86-7 see Nitrogen Mustard Hydrochloride
 55-98-1 see 1,4-Butanediol Dimethanesulfonate
 56-23-5 see Carbon Tetrachloride
 56-53-1 see Diethylstilbestrol
 56-55-3 (benz[*a*]anthracene) see Polycyclic Aromatic Hydrocarbons: 15 Listings
 56-75-7 see Chloramphenicol
 57-14-7 see 1,1-Dimethylhydrazine
 57-41-0 (phenytoin) see Phenytoin and Phenytoin Sodium
 57-57-8 see β -Propiolactone
 57-83-0 see Progesterone
 58-89-9 (lindane) see Lindane, Hexachlorocyclohexane (Technical Grade), and Other Hexachlorocyclohexane Isomers
 59-89-2 (*N*-nitrosomorpholine) see *N*-Nitrosamines: 15 Listings
 60-11-7 see 4-Dimethylaminoazobenzene
 61-82-5 see Amitrole
 62-44-2 (phenacetin) see Phenacetin and Analgesic Mixtures Containing Phenacetin
 62-50-0 see Ethylmethanesulfonate
 62-55-5 see Thioacetamide
 62-56-6 see Thiourea
 62-75-9 (*N*-nitrosodimethylamine) see *N*-Nitrosamines: 15 Listings
 63-92-3 see Phenoxybenzamine Hydrochloride
 64-67-5 see Diethyl Sulfate
 66-27-3 see Methyl Methanesulfonate
 67-66-3 see Chloroform
 67-72-1 see Hexachloroethane
 68-22-4 see Norethisterone
 70-25-7 (*N*-methyl-*N'*-nitro-*N*-nitrosoguanidine) see *N*-Nitrosamines: 15 Listings
 71-43-2 see Benzene
 75-01-4 (vinyl chloride) see Vinyl Halides (Selected)
 75-02-5 (vinyl fluoride) see Vinyl Halides (Selected)
 75-07-0 see Acetaldehyde
 75-09-2 see Dichloromethane
 75-21-8 see Ethylene Oxide
 75-27-4 see Bromodichloromethane
 75-52-5 see Nitromethane
 75-55-8 see 2-Methylaziridine
 75-56-9 see Propylene Oxide
 77-09-8 see Phenolphthalein
 77-78-1 see Dimethyl Sulfate
 78-79-5 see Isoprene
 79-01-6 see Trichloroethylene
 79-06-1 see Acrylamide
 79-44-7 see Dimethylcarbamoyl Chloride
 79-46-9 see 2-Nitropropane
 81-49-2 see 1-Amino-2,4-Dibromoanthraquinone
 82-28-0 see 1-Amino-2-Methylanthraquinone
 87-86-5 (pentachlorophenol) see Pentachlorophenol and By-products of Its Synthesis
 88-06-2 see 2,4,6-Trichlorophenol
 88-72-2 see *o*-Nitrotoluene
 90-04-0 (*o*-anisidine) see *o*-Anisidine and Its Hydrochloride
 90-94-8 see Michler's Ketone
 91-08-7 (2,6-toluene diisocyanate) see Toluene Diisocyanates
 91-20-3 see Naphthalene
 91-23-6 see *o*-Nitroanisole
 91-59-8 see 2-Naphthylamine
 91-94-1 (3,3'-dichlorobenzidine) see 3,3'-Dichlorobenzidine and Its Dihydrochloride
 92-67-1 see 4-Aminobiphenyl
 92-87-5 (benzidine) see Benzidine and Dyes Metabolized to Benzidine
 93-15-2 see Methyleneugenol
 94-59-7 see Safrole
 95-06-7 see Sulfalate
 95-53-4 (*o*-toluidine) see *o*-Toluidine and Its Hydrochloride
 95-69-2 (*p*-chloro-*o*-toluidine) see *p*-Chloro-*o*-toluidine and Its Hydrochloride
 95-80-7 see 2,4-Diaminotoluene
 95-83-0 see 4-Chloro-*o*-phenylenediamine
 96-09-3 see Styrene-7,8-oxide
 96-12-8 see 1,2-Dibromo-3-chloropropane
 96-13-9 see 2,3-Dibromo-1-propanol
 96-18-4 see 1,2,3-Trichloropropane
 96-45-7 see Ethylene Thiourea
 97-56-3 see *o*-Aminoazotoluene
 98-07-7 see Benzotrithloride
 98-82-8 see Cumene
 98-95-3 see Nitrobenzene
 100-42-5 see Styrene
 100-75-4 (*N*-nitrosopiperidine) see *N*-Nitrosamines: 15 Listings
 101-14-4 see 4,4'-Methylenebis(2-chloroaniline)
 101-61-1 see 4,4'-Methylenebis(*N,N*-dimethyl)benzeneamine
 101-77-9 (4,4'-methylenedianiline) see 4,4'-Methylenedianiline and its Dihydrochloride
 101-80-4 see 4,4'-Oxydianiline
 101-90-6 see Diglycidyl Resorcinol Ether
 106-46-7 see 1,4-Dichlorobenzene
 106-87-6 see 4-Vinyl-1-cyclohexene Diepoxide
 106-89-8 see Epichlorohydrin
 106-93-4 see 1,2-Dibromoethane
 106-94-5 see 1-Bromopropane
 106-99-0 see 1,3-Butadiene
 107-06-2 see 1,2-Dichloroethane
 107-13-1 see Acrylonitrile
 107-30-2 (chloromethyl methyl ether) see Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether
 110-00-9 see Furan
 115-28-6 see Chlorendic Acid
 116-14-3 see Tetrafluoroethylene
 117-10-2 see Danthron
 117-79-3 see 2-Aminoanthraquinone
 117-81-7 see Di(2-ethylhexyl) Phthalate
 118-74-1 see Hexachlorobenzene
 119-90-4 (3,3'-dimethoxybenzidine) see 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine
 119-93-7 (3,3'-dimethylbenzidine) see 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine
 120-71-8 see *p*-Cresidine
 122-66-7 see Hydrazobenzene
 123-91-1 see 1,4-Dioxane
 126-72-7 see Tris(2,3-dibromopropyl) Phosphate
 126-99-8 see Chloroprene
 127-18-4 see Tetrachloroethylene
 131-52-2 (pentachlorophenol, sodium salt) see Pentachlorophenol and By-products of Its Synthesis
 134-29-2 (*o*-anisidine hydrochloride) see *o*-Anisidine and Its Hydrochloride
 135-20-6 see Cupferron
 136-35-6 see Diazoaminobenzene
 136-40-3 see Phenazopyridine Hydrochloride
 139-13-9 see Nitrilotriacetic Acid
 139-65-1 see 4,4'-Thiodianiline
 143-50-0 see Kepone
 148-82-3 see Melphalan
 154-93-8 bis(chloroethyl) nitrosourea see Nitrosourea Chemotherapeutic Agents
 189-55-9 (dibenzo[*a,h*]pyrene) see Polycyclic Aromatic Hydrocarbons: 15 Listings
 189-64-0 (dibenzo[*a,h*]pyrene) see Polycyclic Aromatic Hydrocarbons: 15 Listings
 191-30-0 (dibenzo[*a,h*]pyrene) see Polycyclic Aromatic Hydrocarbons: 15 Listings

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- 192-65-4 (dibenzo[*a,e*]pyrene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
193-39-5 (indeno[1,2,3-*cd*]pyrene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
194-59-2 (7H-dibenzo[*c,g*]carbazole) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
205-82-3 (benzo[*j*]fluoranthrene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
205-99-2 (benzo[*b*]fluoranthrene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
207-08-9 (benzo[*k*]fluoranthrene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
224-42-0 (dibenz[*a,j*]acridine) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
226-36-8 (dibenz[*a,h*]acridine) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
298-81-7 (methoxsalen) *see* Methoxsalen with Ultraviolet A Therapy
302-01-2 (hydrazine) *see* Hydrazine and Hydrazine Sulfate
303-47-9 *see* Ochratoxin A
305-03-3 *see* Chlorambucil
320-67-2 *see* Azacitidine
366-70-1 (procarbazine hydrochloride) *see* Procarbazine and Its Hydrochloride
434-07-1 *see* Oxymetholone
443-48-1 *see* Metronidazole
446-86-6 *see* Azathioprine
505-60-2 *see* Mustard Gas
509-14-8 *see* Tetranitromethane
513-37-1 *see* Dimethylvinyl Chloride
542-75-6 (1,3-dichloropropene) *see* 1,3-Dichloropropene (Technical Grade)
542-88-1 (bis(chloromethyl) ether) *see* Bis(chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether
556-52-5 *see* Glycidol
563-47-3 *see* 3-Chloro-2-methylpropene
569-61-9 *see* Basic Red 9 Monohydrate
584-84-9 (2,4-toluene diisocyanate) *see* Toluene Diisocyanates
593-60-2 (vinyl bromide) *see* Vinyl Halides (Selected)
612-83-9 (3,3'-dichlorobenzidine dihydrochloride) *see* 3,3'-Dichlorobenzidine and Its Dihydrochloride
621-64-7 (*N*-nitrosodi-*n*-propylamine) *see* *N*-Nitrosamines: 15 Listings
630-93-3 (phenytoin sodium) *see* Phenytoin and Phenytoin Sodium
671-16-19 (procarbazine) *see* Procarbazine and Its Hydrochloride
680-31-9 *see* Hexamethylphosphoramide
684-93-5 (*N*-nitroso-*N*-methylurea) *see* *N*-Nitrosamines: 15 Listings
759-73-9 (*N*-nitroso-*N*-ethylurea) *see* *N*-Nitrosamines: 15 Listings
924-16-3 (*N*-nitrosodi-*n*-butylamine) *see* *N*-Nitrosamines: 15 Listings
930-55-2 (*N*-nitrosopyrrolidine) *see* *N*-Nitrosamines: 15 Listings
1116-54-7 (*N*-nitrosodiethanolamine) *see* *N*-Nitrosamines: 15 Listings
1120-71-4 *see* 1,3-Propane Sultone
1307-96-6 (cobalt oxide) *see* Cobalt-Related Exposures
1314-20-1 (thorium dioxide) *see* Ionizing Radiation
1332-21-4 *see* Asbestos
1336-36-3 *see* Polychlorinated Biphenyls
1402-68-2 *see* Aflatoxins
1464-53-5 *see* Diepoxybutane
1746-01-6 *see* 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin
1836-75-5 *see* Nitrofen
2385-85-5 *see* Mirex
2425-06-1 *see* Captafol
2475-45-8 *see* Disperse Blue 1
3165-93-3 (*p*-chloro-*o*-toluidine hydrochloride) *see* *p*-Chloro-*o*-toluidine and Its Hydrochloride
3296-90-0 (2,2-bis(bromomethyl)-1,3-propanediol) *see* 2,2-Bis(bromomethyl)-1,3-propanediol (Technical Grade)
3697-24-3 (5-methylchrysene) *see* Polycyclic Aromatic Hydrocarbons: 15 Listings
4342-03-4 *see* Dacarbazine
4549-40-0 (*N*-nitrosomethylvinylamine) *see* *N*-Nitrosamines: 15 Listings
5522-43-0 (1-nitropyrene) *see* Nitroarenes (Selected)
7439-92-1 (lead) *see* Lead and Lead Compounds
7440-02-0 (nickel) *see* Nickel Compounds and Metallic Nickel
7440-38-2 (arsenic) *see* Arsenic and Inorganic Arsenic Compounds
7440-41-7 (beryllium) *see* Beryllium and Beryllium Compounds
7440-43-9 (cadmium) *see* Cadmium and Cadmium Compounds
7440-48-4 (cobalt) *see* Cobalt-Related Exposures
7446-34-6 *see* Selenium Sulfide
7496-02-8 (6-nitrochrysene) *see* Nitroarenes (Selected)
7646-79-9 (cobalt chloride) *see* Cobalt-Related Exposures
7664-93-9 (sulfuric acid) *see* Strong Inorganic Acid Mists Containing Sulfuric Acid
8001-35-2 *see* Toxaphene
8007-45-2 (coal tar) *see* Coal Tars and Coal-Tar Pitches
9004-66-4 *see* Iron Dextran Complex
10034-93-2 (hydrazine sulfate) *see* Hydrazine and Hydrazine Sulfate
10043-92-2 (radon) *see* Ionizing Radiation
10124-43-3 (cobalt sulfate) *see* Cobalt-Related Exposures
10540-29-1 *see* Tamoxifen
13010-47-4 (1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea) *see* Nitrosourea Chemotherapeutic Agents
13256-22-9 (*N*-nitrososarcosine) *see* *N*-Nitrosamines: 15 Listings
13552-44-8 (4-4'-methylenedianiline dihydrochloride) *see* 4,4'-Methylenedianiline and its Dihydrochloride
13654-09-6 (decabromobiphenyl) *see* Polybrominated Biphenyls
13909-09-6 (1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea) *see* Nitrosourea Chemotherapeutic Agents
15663-27-1 *see* Cisplatin
16543-55-8 (*N*-nitrosornicotine) *see* *N*-Nitrosamines: 15 Listings
18540-29-9 (chromium VI) *see* Chromium Hexavalent Compounds
18883-66-4 (streptozotocin) *see* Nitrosourea Chemotherapeutic Agents
23214-92-8 *see* Adriamycin
23246-96-0 *see* Riddelliine
25013-16-5 *see* Butylated Hydroxyanisole
25136-40-9 (doxorubicin hydrochloride) *see* Adriamycin
26471-62-5 *see* Toluene Diisocyanates
36355-01-8 (hexabromobiphenyl) *see* Polybrominated Biphenyls
39156-41-7 *see* 2,4-Diaminoanisole Sulfate
42397-64-8 (1,6-dinitropyrene) *see* Nitroarenes (Selected)
42397-65-9 (1,8-dinitropyrene) *see* Nitroarenes (Selected)
54749-90-5 (chlorozotocin) *see* Nitrosourea Chemotherapeutic Agents
57835-92-4 (4-nitropyrene) *see* Nitroarenes (Selected)
59865-13-3 *see* Cyclosporin A
61288-13-9 (octabromobiphenyl) *see* Polybrominated Biphenyls
64091-91-4 (4-(*N*-nitrosomethylamino)-1-(3-pyridyl)-1-butanone) *see* *N*-Nitrosamine Compounds: 15 Listings
66733-21-9 *see* Erionite
76180-96-6 (2-amino-3-methylimidazo-[4,5-*f*]quinoline [IQ]) *see* Heterocyclic Amines (Selected)
77094-11-2 (2-amino-3,4-dimethylimidazo[4,5-*f*]quinoline [MeIQ]) *see* Heterocyclic Amines (Selected)
77500-04-0 (2-amino-3,8-dimethylimidazo[4,5-*f*]quinoxaline [MeIQx]) *see* Heterocyclic Amines (Selected)
105650-23-5 (2-amino-1-methyl-6-phenylimidazo[4,5-*b*]pyridine [PhIP]) *see* Heterocyclic Amines (Selected)
108171-26-2 *see* Chlorinated Paraffins (C₁₂, 60% Chlorine)



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