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**CERTIFIED TO ISO 9001 & AS9100**

**CAGE CODE: 7AWJ9**

**Proposition 65 Non-Use Declaration** March 22, 2019

Elmet Technologies LLC certifies that all Elmet products comply with the guidelines of Proposition 65. No substances identified within the guidelines of Proposition 65 are present, nor intentionally added, to the processes used in the manufacture of Elmet products. These products include, but are not limited to, molybdenum and tungsten, including doped and alloyed variants thereof, in the forms of powder, rod, wire, plate, sheet, foil, studs, filaments and assembled components.

# DAN DRINAN

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STATE OF CALIFORNIA

ENVIRONMENTAL PROTECTION AGENCY

OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT

SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY 8-Mar-19

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and

In the Listing Mechanism column, "AB" denotes authoritative bodies, "SQE" denotes State's Qualified

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
|  |  |  |  |  |  |
| A-alpha-C (2-Amino-9H-pyrido[2,3b]indole) | cancer | AB | 26148-68-5 | 1-Jan-90 | 2 |
| Abiraterone acetate | developmental, female, male | FR | 154229-18-2 | 8-Apr-16 |  |
| Acetaldehyde | cancer | SQE | 75-07-0 | 1-Apr-88 | 90 (inhalation) |
| Acetamide | cancer | AB | 60-35-5 | 1-Jan-90 | 10 |
| Acetazolamide | developmental | FR | 59-66-5 | 20-Aug-99 |  |
| Acetochlor | cancer | SQE | 34256-82-1 | 1-Jan-89 |  |
| Acetohydroxamic acid | developmental | FR | 546-88-3 | 1-Apr-90 |  |
| 2-Acetylaminofluorene | cancer | SQE | 53-96-3 | 1-Jul-87 | 0.2 |
| Acifluorfen sodium | cancer | AB | 62476-59-9 | 1-Jan-90 |  |
| Acrylamide | cancer | AB | 79-06-1 | 1-Jan-90 | 0.2 |
| Acrylamide | developmental, male | AB | 79-06-1 | 25-Feb-11 | 140 |
| Acrylonitrile | cancer | FR | 107-13-1 | 1-Jul-87 | 0.7 |
| Actinomycin D [Basis for listing changed effective February 22, 2013] | cancer | FR | 50-76-0 | 1-Oct-89 | 0.00008 |
| Actinomycin D | developmental | FR | 50-76-0 | 1-Oct-92 |  |
| AF-2;[2-(2-furyl)-3-(5-nitro-2furyl)]acrylamide | cancer | SQE | 3688-53-7 | 1-Jul-87 | 3 |
| Aflatoxins | cancer | SQE | --- | 1-Jan-88 |  |
| Alachlor | cancer | SQE | 15972-60-8 | 1-Jan-89 |  |
| Alcoholic beverages | cancer | LC | --- | 29-Apr-11 |  |
| Alcoholic beverages, when associated with alcohol abuse | cancer | SQE | --- | 1-Jul-88 |  |
| Aldrin | cancer | SQE | 309-00-2 | 1-Jul-88 | 0.04 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| All-trans retinoic acid | developmental | SQE | 302-79-4 | 1-Jan-89 |  |
| Allyl chloride Delisted October 29, 1999 [Click here for the basis for delisting] | ~~cancer~~ | ~~AB~~ | ~~107-05-1~~ | ~~1-Jan-90~~ |  |
| Aloe Vera, non-decolorized whole leaf extract | cancer | LC | --- | 4-Dec-15 |  |
| Alprazolam | developmental | FR | 28981-97-7 | 1-Jul-90 |  |
| Altretamine | developmental, male | FR | 645-05-6 | 20-Aug-99 |  |
| Amantadine hydrochloride | developmental | FR | 665-66-7 | 27-Feb-01 |  |
| Amikacin sulfate | developmental | FR | 39831-55-5 | 1-Jul-90 |  |
| 2-Aminoanthraquinone | cancer | LC | 117-79-3 | 1-Oct-89 | 20 |
| *p*-Aminoazobenzene | cancer | AB | 60-09-3 | 1-Jan-90 |  |
| *o*-Aminoazotoluene | cancer | SQE | 97-56-3 | 1-Jul-87 | 0.2 |
| 4-Aminobiphenyl (4-aminodiphenyl) | cancer | LC | 92-67-1 | 27-Feb-87 | 0.03 |
| 1-Amino-2,4-dibromoanthraquinone | cancer | AB | 81-49-2 | 26-Aug-97 |  |
| 3-Amino-9-ethylcarbazole hydrochloride | cancer | SQE | 6109-97-3 | 1-Jul-89 | 9 |
| 2-Aminofluorene | cancer | SQE | 153-78-6 | 29-Jan-99 |  |
| Aminoglutethimide | developmental | FR | 125-84-8 | 1-Jul-90 |  |
| Aminoglycosides | developmental | FR | --- | 1-Oct-92 |  |
| 1-Amino-2-methylanthraquinone | cancer | LC | 82-28-0 | 1-Oct-89 | 5 |
| 2-Amino-5-(5-nitro-2-furyl)-1,3,4thiadiazole | cancer | SQE | 712-68-5 | 1-Jul-87 | 0.04 |
| 4-Amino-2-nitrophenol | cancer | SQE | 119-34-6 | 29-Jan-99 |  |
| Aminopterin | developmental, female | SQE | 54-62-6 | 1-Jul-87 |  |
| Amiodarone hydrochloride | developmental, female, male | FR | 19774-82-4 | 26-Aug-97 |  |
| Amitraz | developmental | AB | 33089-61-1 | 30-Mar-99 |  |
| Amitrole | cancer | SQE | 61-82-5 | 1-Jul-87 | 0.7 |
| Amoxapine | developmental | FR | 14028-44-5 | 15-May-98 |  |
| Amsacrine | cancer | LC | 51264-14-3 | 7-Aug-09 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| tert-Amyl methyl ether Delisted December 13, 2013 [Click here for the basis for delisting] | ~~developmental~~ | ~~LC~~ | ~~994-05-8~~ | ~~18-Dec-09~~ |  |
| Anabolic steroids | female, male | FR | --- | 1-Apr-90 |  |
| Analgesic mixtures containing Phenacetin | cancer | LC | --- | 27-Feb-87 |  |
| Androstenedione | cancer | AB | 63-05-8 | 3-May-11 |  |
| Angiotensin converting enzyme (ACE) inhibitors | developmental | FR | --- | 1-Oct-92 |  |
| Aniline | cancer | AB | 62-53-3 | 1-Jan-90 | 100 |
| Aniline hydrochloride | cancer | AB | 142-04-1 | 15-May-98 |  |
| *o*-Anisidine | cancer | SQE | 90-04-0 | 1-Jul-87 | 5 |
| *o*-Anisidine hydrochloride | cancer | SQE | 134-29-2 | 1-Jul-87 | 7 |
| Anisindione | developmental | FR | 117-37-3 | 1-Oct-92 |  |
| Anthraquinone | cancer | AB | 84-65-1 | 28-Sep-07 |  |
| Antimony oxide (Antimony trioxide) | cancer | AB | 1309-64-4 | 1-Oct-90 |  |
| Aramite | cancer | SQE | 140-57-8 | 1-Jul-87 | 20 |
| Areca nut | cancer | LC | --- | 3-Feb-06 |  |
| Aristolochic acids | cancer | LC | --- | 9-Jul-04 |  |
| Arsenic (inorganic arsenic compounds) | cancer | LC | -- | 27-Feb-87 | 0.06 (inhalation) 10 (except inhalation) |
| Arsenic (inorganic oxides) | developmental | SQE | --- | 1-May-97 |  |
| Asbestos | cancer | LC | 1332-21-4 | 27-Feb-87 | 100 fibers/day (inhalation) |
| Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.) | developmental, female | SQE | 50-78-2 | 1-Jul-90 |  |
| Atenolol | developmental | FR | 29122-68-7 | 26-Aug-97 |  |
| Atrazine | developmental, female | AB | 1912-24-9 | 15-Jul-16 | 100 (oral) |
| Auramine | cancer | SQE | 492-80-8 | 1-Jul-87 | 0.8 |
| Auranofin | developmental | FR | 34031-32-8 | 29-Jan-99 |  |
| Avermectin B1 (Abamectin) | developmental | AB | 71751-41-2 | 3-Dec-10 | 4.4 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Azacitidine | cancer | AB | 320-67-2 | 1-Jan-92 |  |
| Azaserine | cancer | SQE | 115-02-6 | 1-Jul-87 | 0.06 |
| Azathioprine | cancer | LC | 446-86-6 | 27-Feb-87 | 0.4 |
| Azathioprine | developmental | FR | 446-86-6 | 1-Sep-96 |  |
| Azobenzene | cancer | AB | 103-33-3 | 1-Jan-90 | 6 |
|  |  |  |  |  |  |
| Barbiturates | developmental | FR | --- | 1-Oct-92 |  |
| Beclomethasone dipropionate | developmental | FR | 5534-09-8 | 15-May-98 |  |
| Benomyl | developmental, male | SQE | 17804-35-2 | 1-Jul-91 |  |
| Benthiavalicarb-isopropyl | cancer | AB | 177406-68-7 | 1-Jul-08 |  |
| Benz[a]anthracene | cancer | SQE | 56-55-3 | 1-Jul-87 | 0.033 (oral) |
| Benzene | cancer | LC | 71-43-2 | 27-Feb-87 | 6.4 (oral) |
| 13 (inhalation) |
| Benzene | developmental, male | SQE | 71-43-2 | 26-Dec-97 | 24 (oral) |
| 49 (inhalation) |
| Benzidine [and its salts] | cancer | LC | 92-87-5 | 27-Feb-87 | 0.001 |
| Benzidine-based dyes | cancer | FR | --- | 1-Oct-92 |  |
| Benzodiazepines | developmental | FR | --- | 1-Oct-92 |  |
| Benzo[b]fluoranthene | cancer | SQE | 205-99-2 | 1-Jul-87 | 0.096 (oral) |
| Benzo[j]fluoranthene | cancer | SQE | 205-82-3 | 1-Jul-87 | 0.11 (oral) |
| Benzo[k]fluoranthene | cancer | SQE | 207-08-9 | 1-Jul-87 |  |
| Benzofuran | cancer | AB | 271-89-6 | 1-Oct-90 | 1.1 |
| Benzophenone | cancer | LC | 119-61-9 | 22-Jun-12 |  |
| Benzo[a]pyrene | cancer | SQE | 50-32-8 | 1-Jul-87 | 0.06 |
| Benzotrichloride | cancer | SQE | 98-07-7 | 1-Jul-87 |  |
| Benzphetamine hydrochloride | developmental | FR | 5411-22-3 | 1-Apr-90 |  |
| Benzyl chloride | cancer | AB | 100-44-7 | 1-Jan-90 | 4 |
| Benzyl violet 4B | cancer | SQE | 1694-09-3 | 1-Jul-87 | 30 |
| Beryllium and beryllium compounds | cancer | SQE | --- | 1-Oct-87 |  |
| Beryllium |  |  |  |  | 0.1 |
| Beryllium oxide |  |  |  |  | 0.1 |
| Beryllium sulfate |  |  |  |  | 0.0002 |
| Betel quid with tobacco | cancer | AB | --- | 1-Jan-90 |  |
| Betel quid without tobacco | cancer | LC | --- | 3-Feb-06 |  |
| Bevacizumab | developmental, female | FR | 216974-75-3 | 8-Mar-19 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 2,2-Bis(bromomethyl)-1,3propanediol | cancer | AB | 3296-90-0 | 1-May-96 |  |
| Bis(2-chloroethyl)ether | cancer | SQE | 111-44-4 | 1-Apr-88 | 0.3 |
| N,N-Bis(2-chloroethyl)-2naphthylamine (Chlornapazine) | cancer | LC | 494-03-1 | 27-Feb-87 |  |
| Bischloroethyl nitrosourea (BCNU) (Carmustine) | cancer | SQE | 154-93-8 | 1-Jul-87 |  |
| Bischloroethyl nitrosourea (BCNU) (Carmustine) | developmental | FR | 154-93-8 | 1-Jul-90 |  |
| Bis(chloromethyl)ether | cancer | LC | 542-88-1 | 27-Feb-87 | 0.02 |
| Bis(2-chloro-1-methylethyl)ether, technical grade | cancer | SQE | --- | 29-Oct-99 |  |
| Bisphenol A (BPA) | female | SQE | 80-05-7 | 11-May-15 | 3 (dermal |
| exposure |
| from solid |
| materials) |
| Bisphenol A (BPA) Delisted April 19, | ~~developmental~~ | ~~AB~~ | ~~80-05-7~~ | ~~11-Apr-13~~ |  |
| 2013 [Click here for the basis for delisting] |
| Bitumens, extracts of steam-refined and air refined | cancer | AB | --- | 1-Jan-90 |  |
| Bracken fern | cancer | AB | --- | 1-Jan-90 |  |
| Bromacil lithium salt | developmental | AB | 53404-19-6 | 18-May-99 |  |
| Bromacil lithium salt | male | SQE | 53404-19-6 | 17-Jan-03 |  |
| Bromate | cancer | AB | 15541-45-4 | 31-May-02 |  |
| Bromochloroacetic acid | cancer | AB | 5589-96-8 | 6-Apr-10 |  |
| Bromodichloroacetic acid | cancer | AB | 71133-14-7 | 29-Jul-16 |  |
| Bromodichloromethane | cancer | AB | 75-27-4 | 1-Jan-90 | 5 |
| Bromoethane | cancer | AB | 74-96-4 | 22-Dec-00 | 96 |
| Bromoform | cancer | AB | 75-25-2 | 1-Apr-91 | 64 |
| 1-Bromopropane (1-BP) | cancer | AB | 106-94-5 | 5-Aug-16 |  |
| 1-Bromopropane (1-BP) | developmental, female, male | AB | 106-94-5 | 7-Dec-04 |  |
| 2-Bromopropane (2-BP) | female, male | AB | 75-26-3 | 31-May-05 |  |
| Bromoxynil | developmental | FR | 1689-84-5 | 1-Oct-90 |  |
| Bromoxynil octanoate | developmental | AB | 1689-99-2 | 18-May-99 |  |
| Butabarbital sodium | developmental | FR | 143-81-7 | 1-Oct-92 |  |
| 1,3-Butadiene | cancer | SQE | 106-99-0 | 1-Apr-88 | 0.4 |
| 1,3-Butadiene | developmental, female, male | AB | 106-99-0 | 16-Apr-04 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 1,4-Butanediol dimethanesulfonate  (Busulfan) | cancer | LC | 55-98-1 | 27-Feb-87 |  |
| 1,4-Butanediol dimethanesulfonate  (Busulfan) | developmental | SQE | 55-98-1 | 1-Jan-89 |  |
| Butylated hydroxyanisole | cancer | AB | 25013-16-5 | 1-Jan-90 | 4000 |
| Butyl benzyl phthalate (BBP)d | developmental | AB | 85-68-7 | 2-Dec-05 | 1200 (oral) |
| n-Butyl glycidyl ether Delisted April 4, | ~~male~~ | ~~LC~~ | ~~2426-08-6~~ | ~~7-Aug-09~~ |  |
| 2014 [Click here for the basis for delisting] |
| beta-Butyrolactone | cancer | SQE | 3068-88-0 | 1-Jul-87 | 0.7 |
|  |  |  |  |  |  |
| Cacodylic acid | cancer | AB | 75-60-5 | 1-May-96 |  |
| Cadmium | developmental, male | SQE | --- | 1-May-97 | 4.1 (oral) |
| Cadmium and cadmium compounds | cancer | SQE | --- | 1-Oct-87 |  |
| Cadmium |  |  |  |  | 0.05  (inhalation) |
| Caffeic acid | cancer | AB | 331-39-5 | 1-Oct-94 |  |
| Captafol | cancer | SQE | 2425-06-1 | 1-Oct-88 | 5 |
| Captan | cancer | AB | 133-06-2 | 1-Jan-90 | 300 |
| Carbamazepine | developmental | FR | 298-46-4 | 29-Jan-99 |  |
| Carbaryl | cancer | AB | 63-25-2 | 5-Feb-10 |  |
| Carbaryl [Basis for listing changed effective December 27, 2013] | developmental, female, male | AB | 63-25-2 | 7-Aug-09 |  |
| Carbazole | cancer | AB | 86-74-8 | 1-May-96 | 4.1 |
| Carbon black (airborne, unbound particles of respirable size) | cancer | AB | 1333-86-4 | 21-Feb-03 |  |
| Carbon-black extracts | cancer | AB | --- | 1-Jan-90 |  |
| Carbon disulfide | developmental, female, male | SQE | 75-15-0 | 1-Jul-89 |  |
| Carbon monoxide | developmental | SQE | 630-08-0 | 1-Jul-89 |  |
| Carbon tetrachloride | cancer | SQE | 56-23-5 | 1-Oct-87 | 5 |
| Carboplatin | developmental | FR | 41575-94-4 | 1-Jul-90 |  |
| N-Carboxymethyl-N-nitrosourea | cancer | SQE | 60391-92-6 | 25-Jan-02 | 0.7 |
| Catechol | cancer | AB | 120-80-9 | 15-Jul-03 |  |
| Ceramic fibers (airborne particles of respirable size) | cancer | AB | --- | 1-Jul-90 |  |
| Certain combined chemotherapy for lymphomas | cancer | LC | --- | 27-Feb-87 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Chenodiol | developmental | FR | 474-25-9 | 1-Apr-90 |  |
| Chloral | cancer | LC | 75-87-6 | 13-Sep-13 |  |
| Chloral hydrate | cancer | LC | 302-17-0 | 13-Sep-13 |  |
| Chlorambucil | cancer | LC | 305-03-3 | 27-Feb-87 | 0.002 |
| Chlorambucil | developmental | SQE | 305-03-3 | 1-Jan-89 |  |
| Chloramphenicol Delisted January 4, 2013 [Click here for the basis for delisting] | ~~cancer~~ | ~~LC~~ | ~~56-75-7~~ | ~~1-Oct-89~~ |  |
| Chloramphenicol sodium succinate | cancer | FR | 982-57-0 | 27-Sep-13 |  |
| Chlorcyclizine hydrochloride | developmental | FR | 1620-21-9 | 1-Jul-87 |  |
| Chlordane | cancer | SQE | 57-74-9 | 1-Jul-88 | 0.5 |
| Chlordecone (Kepone) | cancer | SQE | 143-50-0 | 1-Jan-88 | 0.04 |
| Chlordecone (Kepone) | developmental | SQE | 143-50-0 | 1-Jan-89 |  |
| Chlordiazepoxide | developmental | FR | 58-25-3 | 1-Jan-92 |  |
| Chlordiazepoxide hydrochloride | developmental | FR | 438-41-5 | 1-Jan-92 |  |
| Chlordimeform | cancer | SQE | 6164-98-3 | 1-Jan-89 |  |
| Chlorendic acid | cancer | SQE | 115-28-6 | 1-Jul-89 | 8 |
| Chlorinated paraffins (Average chain length, C12;approximately 60 percent chlorine by weight) | cancer | SQE | 108171-26-2 | 1-Jul-89 | 8 |
| *p*-Chloroaniline | cancer | AB | 106-47-8 | 1-Oct-94 | 1.5 |
| *p*-Chloroaniline hydrochloride | cancer | AB | 20265-96-7 | 15-May-98 | 1.9 |
| Chlorodibromomethane Delisted October 29, 1999 [Click here for the basis for delisting] | ~~cancer~~ | ~~AB~~ | ~~124-48-1~~ | ~~1-Jan-90~~ |  |
| Chloroethane (Ethyl chloride) | cancer | AB | 75-00-3 | 1-Jul-90 | 150 |
| 1-(2-Chloroethyl)-3-cyclohexyl-1nitrosourea (CCNU) (Lomustine) | cancer | SQE | 13010-47-4 | 1-Jan-88 |  |
| 1-(2-Chloroethyl)-3-cyclohexyl-1nitrosourea (CCNU) (Lomustine) | developmental | FR | 13010-47-4 | 1-Jul-90 |  |
| 1-(2-Chloroethyl)-3-(4-  methylcyclohexyl)-1-nitrosourea (Methyl-CCNU) | cancer | SQE | 13909-09-6 | 1-Oct-88 |  |
| Chloroform | cancer | SQE | 67-66-3 | 1-Oct-87 | 20 (oral)  40 (inhalation) |
| Chloroform [Basis for listing changed effective December 23, 2016] | developmental | SQE | 67-66-3 | 7-Aug-09 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Chloromethyl methyl ether (technical grade) | cancer | LC | 107-30-2 | 27-Feb-87 | 0.3 |
| 3-Chloro-2-methylpropene | cancer | SQE | 563-47-3 | 1-Jul-89 | 5 |
| 1-Chloro-4-nitrobenzene | cancer | SQE | 100-00-5 | 29-Oct-99 |  |
| 4-Chloro-*o*-phenylenediamine | cancer | SQE | 95-83-0 | 1-Jan-88 | 40 |
| Chloroprene | cancer | AB | 126-99-8 | 2-Jun-00 |  |
| 2-Chloropropionic acid [Basis for listing changed effective December 20, 2013] | male | SQE | 598-78-7 | 7-Aug-09 |  |
| Chlorothalonil | cancer | SQE | 1897-45-6 | 1-Jan-89 | 41 |
| *p*-Chloro-*o*-toluidine | cancer | AB | 95-69-2 | 1-Jan-90 | 3 |
| *p-*Chloro-*o*-toluidine, strong acid salts of | cancer | AB | --- | 15-May-98 |  |
| *p-*Chloro-*o*-toluidine, hydrochloride |  |  |  |  | 3.3 |
| 5-Chloro-*o*-toluidine and its strong acid salts | cancer | SQE | --- | 24-Oct-97 |  |
| Chlorotrianisene | cancer | FR | 569-57-3 | 1-Sep-96 |  |
| Chlorozotocin | cancer | AB | 54749-90-5 | 1-Jan-92 | 0.003 |
| Chlorpyrifos | developmental | SQE | 2921-88-2 | 15-Dec-17 |  |
| Chlorsulfuron Delisted June 6, 2014 [Click here for the basis for delisting] | developmental, | ~~AB~~ | ~~64902-72-3~~ | ~~14-May-99~~ |  |
| ~~female,~~ ~~male~~ |
| Chromium (hexavalent compounds) | cancer | LC | --- | 27-Feb-87 | 0.001  (inhalation) |
| Chromium (hexavalent compounds) | developmental, female, male | SQE | --- | 19-Dec-08 | 8.2 (oral) |
| Chrysene | cancer | AB | 218-01-9 | 1-Jan-90 | 0.35 (oral) |
| C.I. Acid Red 114 | cancer | AB | 6459-94-5 | 1-Jul-92 |  |
| C.I. Basic Red 9 monohydrochloride | cancer | SQE | 569-61-9 | 1-Jul-89 | 3 |
| C.I. Direct Blue 15 | cancer | AB | 2429-74-5 | 26-Aug-97 |  |
| C.I. Direct Blue 218 | cancer | AB | 28407-37-6 | 26-Aug-97 | 50 |
| C.I. Disperse Yellow 3 | cancer | SQE | 2832-40-8 | 8-Feb-13 |  |
| C.I. Solvent Yellow 14 | cancer | AB | 842-07-9 | 15-May-98 |  |
| Ciclosporin (Cyclosporin A; Cyclosporine) | cancer | AB | 59865-13-3; 79217-60-0 | 1-Jan-92 |  |
| Cidofovir | cancer, developmental, female, male | FR | 113852-37-2 | 29-Jan-99 |  |
| Cinnamyl anthranilate | cancer | SQE | 87-29-6 | 1-Jul-89 | 200 |
| Cisplatin | cancer | SQE | 15663-27-1 | 1-Oct-88 |  |
| Citrus Red No. 2 | cancer | LC | 6358-53-8 | 1-Oct-89 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Cladribine | developmental | FR | 4291-63-8 | 1-Sep-96 |  |
| Clarithromycin | developmental | FR | 81103-11-9 | 1-May-97 |  |
| Clobetasol propionate | developmental, female | FR | 25122-46-7 | 15-May-98 |  |
| Clofibrate | cancer | FR | 637-07-0 | 1-Sep-96 |  |
| Clomiphene citrate | cancer | FR | 50-41-9 | 24-May-13 |  |
| Clomiphene citrate | developmental | FR | 50-41-9 | 1-Apr-90 |  |
| Clorazepate dipotassium | developmental | FR | 57109-90-7 | 1-Oct-92 |  |
| CMNP (pyrazachlor) | cancer | AB | 6814-58-0 | 25-Aug-15 |  |
| Cobalt metal powder | cancer | AB | 7440-48-4 | 1-Jul-92 |  |
| Cobalt [II] oxide | cancer | AB | 1307-96-6 | 1-Jul-92 |  |
| Cobalt sulfate | cancer | LC | 10124-43-3 | 20-May-05 |  |
| Cobalt sulfate heptahydrate | cancer | AB | 10026-24-1 | 2-Jun-00 |  |
| Cocaine | developmental, female | SQE | 50-36-2 | 1-Jul-89 |  |
| Coconut oil diethanolamine condensate (cocamide diethanolamine) | cancer | LC | --- | 22-Jun-12 |  |
| Codeine phosphate | developmental | FR | 52-28-8 | 15-May-98 |  |
| Coke oven emissions | cancer | LC | --- | 27-Feb-87 | 0.3 |
| Colchicine | developmental, male | FR | 64-86-8 | 1-Oct-92 |  |
| Conjugated estrogens | cancer | LC | --- | 27-Feb-87 |  |
| Conjugated estrogens | developmental | FR | --- | 1-Apr-90 |  |
| Creosotes | cancer | SQE | --- | 1-Oct-88 |  |
| *p*-Cresidine | cancer | SQE | 120-71-8 | 1-Jan-88 | 5 |
| Cumene | cancer | AB | 98-82-8 | 6-Apr-10 |  |
| Cupferron | cancer | SQE | 135-20-6 | 1-Jan-88 | 3 |
| Cyanazine | developmental | FR | 21725-46-2 | 1-Apr-90 |  |
| Cycasin | cancer | SQE | 14901-08-7 | 1-Jan-88 |  |
| Cycloate | developmental | AB | 1134-23-2 | 19-Mar-99 |  |
| Cyclohexanol Delisted January 25, 2002 [Click here for the basis for delisting] | ~~male~~ | ~~AB~~ | ~~108-93-0~~ | ~~6-Nov-98~~ |  |
| Cycloheximide | developmental | FR | 66-81-9 | 1-Jan-89 |  |
| Cyclopenta[cd]pyrene | cancer | LC | 27208-37-3 | 29-Apr-11 |  |
| Cyclophosphamide (anhydrous) | cancer | LC | 50-18-0 | 27-Feb-87 | 1 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Cyclophosphamide (anhydrous) | developmental, female, male | SQE - developmental  FR - female, male | 50-18-0 | 1-Jan-89 |  |
| Cyclophosphamide (hydrated) | cancer | LC | 6055-19-2 | 27-Feb-87 | 1 |
| Cyclophosphamide (hydrated) | developmental, female, male | SQE - developmental  FR - female, male | 6055-19-2 | 1-Jan-89 |  |
| Cyhexatin | developmental | FR | 13121-70-5 | 1-Jan-89 |  |
| Cytarabine | developmental | SQE | 147-94-4 | 1-Jan-89 |  |
| Cytembena | cancer | AB | 21739-91-3 | 15-May-98 |  |
|  |  |  |  |  |  |
| D&C Orange No. 17 | cancer | AB | 3468-63-1 | 1-Jul-90 |  |
| D&C Red No. 8 | cancer | AB | 2092-56-0 | 1-Oct-90 |  |
| D&C Red No. 9 | cancer | AB | 5160-02-1 | 1-Jul-90 | 100 |
| D&C Red No. 19 | cancer | AB | 81-88-9 | 1-Jul-90 |  |
| Dacarbazine | cancer | SQE | 4342-03-4 | 1-Jan-88 | 0.01 |
| Dacarbazine | developmental | FR | 4342-03-4 | 29-Jan-99 |  |
| Daminozide | cancer | AB | 1596-84-5 | 1-Jan-90 | 40 |
| Danazol | developmental | FR | 17230-88-5 | 1-Apr-90 |  |
| Dantron (Chrysazin; 1,8-  Dihydroxyanthraquinone) | cancer | AB | 117-10-2 | 1-Jan-92 | 9 |
| Daunomycin | cancer | SQE | 20830-81-3 | 1-Jan-88 |  |
| Daunorubicin hydrochloride | developmental | FR | 23541-50-6 | 1-Jul-90 |  |
| 2,4-D butyric acid [Click here for the basis for the removal of  developmental endpoint, effective June 22, 2001] | ~~developmental~~, male | AB | 94-82-6 | 18-Jun-99 | 910 |
| DDD (Dichlorodiphenyldichloroethane) | cancer | SQE | 72-54-8 | 1-Jan-89 | 2  (DDT, DDE,  DDD in combination) |
| DDE (Dichlorodiphenyldichloroethylene) | cancer | SQE | 72-55-9 | 1-Jan-89 | 2  (DDT, DDE,  DDD in combination) |
| DDT (Dichlorodiphenyltrichloroethane) | cancer | SQE | 50-29-3 | 1-Oct-87 | 2  (DDT, DDE,  DDD in combination) |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| o,p'-DDT | developmental, female, male | AB | 789-02-6 | 15-May-98 |  |
| p,p'-DDT | developmental, female, male | AB | 50-29-3 | 15-May-98 |  |
| DDVP (Dichlorvos) | cancer | SQE | 62-73-7 | 1-Jan-89 | 2 |
| Demeclocycline hydrochloride (internal use) | developmental | FR | 64-73-3 | 1-Jan-92 |  |
| Des-ethyl atrazine (DEA) | developmental, female | AB | 6190-65-4 | 15-Jul-16 | 100 (oral) |
| Des-isopropyl atrazine (DIA) | developmental, female | AB | 1007-28-9 | 15-Jul-16 | 100 (oral) |
| N,N'-Diacetylbenzidine | cancer | LC | 613-35-4 | 1-Oct-89 |  |
| 2,4-Diaminoanisole | cancer | FR | 615-05-4 | 1-Oct-90 | 30 |
| 2,4-Diaminoanisole sulfate | cancer | SQE | 39156-41-7 | 1-Jan-88 | 50 |
| 2,4-Diamino-6-chloro-*s*-triazine  (DACT) | developmental, female | AB | 3397-62-4 | 15-Jul-16 | 100 (oral) |
| 4,4'-Diaminodiphenyl ether (4,4'-  Oxydianiline) | cancer | SQE | 101-80-4 | 1-Jan-88 | 5 |
| 2,4-Diaminotoluene | cancer | SQE | 95-80-7 | 1-Jan-88 | 0.2 |
| Diaminotoluene (mixed) Delisted November, 20 2015 [Click here for the basis for delisting] | ~~cancer~~ | ~~AB~~ | --- | 1-Jan-90 |  |
| Diazepam | developmental | FR | 439-14-5 | 1-Jan-92 |  |
| Diazoaminobenzene | cancer | LC | 136-35-6 | 20-May-05 |  |
| Diazoxide | developmental | FR | 364-98-7 | 27-Feb-01 |  |
| Dibenz[a,h]acridine | cancer | SQE | 226-36-8 | 1-Jan-88 |  |
| Dibenz[a,j]acridine | cancer | SQE | 224-42-0 | 1-Jan-88 |  |
| Dibenzanthracenes | cancer | SQE | --- | 26-Dec-14 |  |
| Dibenz[a,c]anthracene | cancer | SQE | 215-58-7 | 26-Dec-14 |  |
| Dibenz[a,h]anthracene | cancer | SQE | 53-70-3 | 1-Jan-88 | 0.2 |
| Dibenz[a,j]anthracene | cancer | SQE | 224-41-9 | 26-Dec-14 |  |
| 7H-Dibenzo[c,g]carbazole | cancer | SQE | 194-59-2 | 1-Jan-88 | 0.0030 (oral) |
| Dibenzo[a,e]pyrene | cancer | SQE | 192-65-4 | 1-Jan-88 |  |
| Dibenzo[a,h]pyrene | cancer | SQE | 189-64-0 | 1-Jan-88 | 0.0054 (oral) |
| Dibenzo[a,i]pyrene | cancer | SQE | 189-55-9 | 1-Jan-88 | 0.0050 (oral) |
| Dibenzo[a,l]pyrene | cancer | SQE | 191-30-0 | 1-Jan-88 |  |
| Dibromoacetic acid | cancer | AB | 631-64-1 | 17-Jun-08 |  |
| Dibromoacetonitrile | cancer | AB | 3252-43-5 | 3-May-11 |  |
| 1,2-Dibromo-3-chloropropane  (DBCP) | cancer | FR | 96-12-8 | 1-Jul-87 | 0.1 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 1,2-Dibromo-3-chloropropane (DBCP) [Basis for listing changed effective November 22, 2013] | male | FR | 96-12-8 | 27-Feb-87 | 3.1 (oral) |
| 4.3  (inhalation) |
|
| 2,3-Dibromo-1-propanol | cancer | AB | 96-13-9 | 1-Oct-94 |  |
| Dichloroacetic acid | cancer | AB | 79-43-6 | 1-May-96 |  |
| Dichloroacetic acid | developmental, male | AB | 79-43-6 | 7-Aug-09 |  |
| *p*-Dichlorobenzene | cancer | SQE | 106-46-7 | 1-Jan-89 | 20 |
| 3,3'-Dichlorobenzidine | cancer | SQE | 91-94-1 | 1-Oct-87 | 0.6 |
| 3,3'-Dichlorobenzidine dihydrochloride | cancer | AB | 612-83-9 | 15-May-98 |  |
| 1,1-Dichloro-2,2-bis(*p*chloropheny)ethylene (DDE) | developmental, male | AB | 72-55-9 | 30-Mar-10 |  |
| 1,4-Dichloro-2-butene | cancer | AB | 764-41-0 | 1-Jan-90 |  |
| 3,3'-Dichloro-4,4'-diamino-diphenyl ether | cancer | SQE | 28434-86-8 | 1-Jan-88 |  |
| 1,1-Dichloroethane | cancer | AB | 75-34-3 | 1-Jan-90 | 100 |
| Dichloromethane (Methylene chloride) | cancer | SQE | 75-09-2 | 1-Apr-88 | 50  200  (inhalation) |
| Dichlorophene | developmental | AB | 97-23-4 | 27-Apr-99 |  |
| Dichlorphenamide | developmental | FR | 120-97-8 | 27-Feb-01 |  |
| 1,2-Dichloropropane | cancer | AB | 78-87-5 | 1-Jan-90 | 9.7 |
| 1,3-Dichloro-2-propanol (1,3-DCP) | cancer | SQE | 96-23-1 | 8-Oct-10 |  |
| 1,3-Dichloropropene | cancer | SQE | 542-75-6 | 1-Jan-89 |  |
| Diclofop-methyl | cancer | AB | 51338-27-3 | 6-Apr-10 |  |
| Diclofop methyl | developmental | AB | 51338-27-3 | 5-Mar-99 |  |
| Dicumarol | developmental | FR | 66-76-2 | 1-Oct-92 |  |
| Dieldrin | cancer | SQE | 60-57-1 | 1-Jul-88 | 0.04 |
| Dienestrol Delisted January 4, 2013 [Click here for the basis for delisting] | ~~cancer~~ | ~~LC~~ | ~~84-17-3~~ | ~~1-Jan-90~~ |  |
| Diepoxybutane | cancer | SQE | 1464-53-5 | 1-Jan-88 |  |
| Diesel engine exhaust | cancer | AB | --- | 1-Oct-90 |  |
| Diethanolamine | cancer | LC | 111-42-2 | 22-Jun-12 |  |
| Di(2-ethylhexyl)phthalate (DEHP) | cancer | SQE | 117-81-7 | 1-Jan-88 | 310 |
| Di(2-ethylhexyl)phthalate (DEHP) | developmental, male | AB | 117-81-7 | 24-Oct-03 |  |
| Adultb |  |  |  |  | 4200  (intravenous) |
|
| Infant boys, age 29 days to 24 monthsb |  |  |  |  | 600  (intravenous) |
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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Neonatal infant boys, age 0 to 28 daysb |  |  |  |  | 210  (intravenous) |
|
| Adultb |  |  |  |  | 410 (oral) |
| Infant boys, age 29 days to 24 monthsb |  |  |  |  | 58 (oral) |
| Neonatal infant boys, age 0 to 28 daysb |  |  |  |  | 20 (oral) |
| 1,2-Diethylhydrazine | cancer | SQE | 1615-80-1 | 1-Jan-88 |  |
| Diethylstilbestrol (DES) | cancer | LC | 56-53-1 | 27-Feb-87 | 0.002 |
| Diethylstilbestrol (DES) | developmental | FR | 56-53-1 | 1-Jul-87 |  |
| Diethyl sulfate | cancer | SQE | 64-67-5 | 1-Jan-88 |  |
| Diflunisal | developmental, female | FR | 22494-42-4 | 29-Jan-99 |  |
| Diglycidyl ether Delisted April 4, 2014 | ~~male~~ | ~~LC~~ | ~~2238-07-5~~ | ~~7-Aug-09~~ |  |
| [Click here for the basis for delisting] |
| Diglycidyl resorcinol ether (DGRE) | cancer | SQE | 101-90-6 | 1-Jul-89 | 0.4 |
| Dihydroergotamine mesylate | developmental | FR | 6190-39-2 | 1-May-97 |  |
| Dihydrosafrole | cancer | SQE | 94-58-6 | 1-Jan-88 | 20 |
| Di-isodecyl phthalate (DIDP) | developmental | AB | 68515-49-1/ 26761-40-0 | 20-Apr-07 | 2200 |
| Diisononyl phthalate (DINP) | cancer | SQE | --- | 20-Dec-13 | 146 |
| Diisopropyl sulfate | cancer | AB | 2973-10-6 | 1-Apr-93 |  |
| Diltiazem hydrochloride | developmental | FR | 33286-22-5 | 27-Feb-01 |  |
| 3,3'-Dimethoxybenzidine (*o*-  Dianisidine) | cancer | SQE | 119-90-4 | 1-Jan-88 | 0.15 |
| 3,3'-Dimethoxybenzidine dihydrochloride | cancer | AB | 20325-40-0 | 1-Oct-90 | 0.19 |
| 3,3'-Dimethoxybenzidine-based dyes  metabolized to 3,3'dimethoxybenzidine | cancer | AB | --- | 11-Jun-04 |  |
| N,N-Dimethylacetamide [Click here for the basis for addition of male  reproductive endpoint, effective December 20, 2013] | developmental, male | SQE | 127-19-5 | 21-May-10 |  |
| 4-Dimethylaminoazobenzene | cancer | SQE | 60-11-7 | 1-Jan-88 | 0.2 |
| *trans*-2-  [(Dimethylamino)methylimino]-5-[2-(5nitro-2-furyl)vinyl]-1,3,4-oxadiazole | cancer | SQE | 55738-54-0 | 1-Jan-88 | 2 |
| 7,12-Dimethylbenz(a)anthracene | cancer | AB | 57-97-6 | 1-Jan-90 | 0.003 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 3,3'-Dimethylbenzidine (ortho-  Tolidine) | cancer | SQE | 119-93-7 | 1-Jan-88 | 0.044 |
| 3,3'-Dimethylbenzidine-based dyes  metabolized to 3,3'dimethylbenzidine | cancer | AB | --- | 11-Jun-04 |  |
| 3,3'-Dimethylbenzidine dihydrochloride | cancer | AB | 612-82-8 | 1-Apr-92 | 0.059 |
| Dimethylcarbamoyl chloride | cancer | SQE | 79-44-7 | 1-Jan-88 | 0.05 |
| N,N-Dimethylformamide | cancer | LC | 68-12-2 | 27-Oct-17 |  |
| 1,1-Dimethylhydrazine (UDMH) | cancer | LC | 57-14-7 | 1-Oct-89 |  |
| 1,2-Dimethylhydrazine | cancer | SQE | 540-73-8 | 1-Jan-88 | 0.001 |
| 2,6-Dimethyl-N-nitrosomorpholine  (DMNM) | cancer | SQE | 1456-28-6 | 8-Feb-13 |  |
| Dimethyl sulfate | cancer | SQE | 77-78-1 | 1-Jan-88 |  |
| *N*,*N*-Dimethyl-*p*-toluidine | cancer | AB | 99-97-8 | 2-May-14 |  |
| Dimethylvinylchloride | cancer | SQE | 513-37-1 | 1-Jul-89 | 20 |
| Di-*n*-butyl phthalate (DBP) | developmental, female, male | AB | 84-74-2 | 2-Dec-05 | 8.7 |
| Di-*n*-hexyl phthalate (DnHP) | female, male | AB | 84-75-3 | 2-Dec-05 | 2200 (oral) |
| *m*-Dinitrobenzene | male | AB | 99-65-0 | 1-Jul-90 | 38 |
| *o*-Dinitrobenzene | male | AB | 528-29-0 | 1-Jul-90 |  |
| *p*-Dinitrobenzene | male | AB | 100-25-4 | 1-Jul-90 |  |
| 3,7-Dinitrofluoranthene | cancer | AB | 105735-71-5 | 26-Aug-97 |  |
| 3,9-Dinitrofluoranthene | cancer | AB | 22506-53-2 | 26-Aug-97 |  |
| 1,3-Dinitropyrene | cancer | LC | 75321-20-9 | 2-Nov-12 |  |
| 1,6-Dinitropyrene | cancer | AB | 42397-64-8 | 1-Oct-90 |  |
| 1,8-Dinitropyrene | cancer | AB | 42397-65-9 | 1-Oct-90 |  |
| 2,4-Dinitrotoluene | cancer | SQE | 121-14-2 | 1-Jul-88 | 2 |
| 2,4-Dinitrotoluene | male | AB | 121-14-2 | 20-Aug-99 |  |
| 2,6-Dinitrotoluene | cancer | SQE | 606-20-2 | 1-Jul-95 |  |
| 2,6-Dinitrotoluene | male | AB | 606-20-2 | 20-Aug-99 |  |
| Dinitrotoluene (technical grade) | female, male | AB | --- | 20-Aug-99 |  |
| Dinitrotoluene mixture, 2,4-/2,6- | cancer | AB | --- | 1-May-96 |  |
| Dinocap | developmental | FR | 39300-45-3 | 1-Apr-90 |  |
| Dinoseb | developmental, male | FR | 88-85-7 | 1-Jan-89 |  |
| Di-*n*-propyl isocinchomeronate (MGK Repellent 326) | cancer | AB | 136-45-8 | 1-May-96 |  |
| 1,4-Dioxane | cancer | SQE | 123-91-1 | 1-Jan-88 | 30 |
| Diphenylhydantoin (Phenytoin) | cancer | SQE | 57-41-0 | 1-Jan-88 |  |
| Diphenylhydantoin (Phenytoin) | developmental | SQE | 57-41-0 | 1-Jul-87 |  |
| Diphenylhydantoin (Phenytoin), sodium salt | cancer | SQE | 630-93-3 | 1-Jan-88 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Direct Black 38 (technical grade) | cancer | SQE | 1937-37-7 | 1-Jan-88 | 0.09 |
| Direct Blue 6 (technical grade) | cancer | SQE | 2602-46-2 | 1-Jan-88 | 0.09 |
| Direct Brown 95 (technical grade) | cancer | SQE | 16071-86-6 | 1-Oct-88 | 0.1 |
| Disodium cyanodithioimidocarbonate | developmental | AB | 138-93-2 | 30-Mar-99 | 56 (oral) |
| 170 (oral) as |
| 32% pesticidal |
|
| formulation |
| Disperse Blue 1 | cancer | AB | 2475-45-8 | 1-Oct-90 | 200 |
| Diuron | cancer | AB | 330-54-1 | 31-May-02 |  |
| Doxorubicin hydrochloride (Adriamycin) | cancer | SQE | 25316-40-9 | 1-Jul-87 |  |
| Doxorubicin hydrochloride (Adriamycin) | developmental, male | FR | 25316-40-9 | 29-Jan-99 |  |
| Doxycycline (internal use) | developmental | FR | 564-25-0 | 1-Jul-90 |  |
| Doxycycline calcium (internal use) | developmental | FR | 94088-85-4 | 1-Jan-92 |  |
| Doxycycline hyclate (internal use) | developmental | FR | 24390-14-5 | 1-Oct-91 |  |
| Doxycycline monohydrate (internal use) | developmental | FR | 17086-28-1 | 1-Oct-91 |  |
| 2,4-DP (dichloroprop) Delisted January 25, 2002 [Click here for the basis for delisting] | ~~developmental~~ | ~~AB~~ | ~~120-36-5~~ | ~~27-Apr-99~~ |  |
|  |  |  |  |  |  |
| Emissions from combustion of coal | cancer | AB | --- | 7-Aug-13 |  |
| Emissions from high-temperature unrefined rapeseed oil | cancer | AB | --- | 3-Jan-14 |  |
| Endrin | developmental | AB | 72-20-8 | 15-May-98 |  |
| Environmental tobacco smoke (ETS) | developmental | SQE | --- | 9-Jun-06 |  |
| Epichlorohydrin | cancer | SQE | 106-89-8 | 1-Oct-87 | 9 |
| Epichlorohydrin | male | AB | 106-89-8 | 1-Sep-96 |  |
| Epoxiconazole | cancer | AB | 135319-73-2 | 15-Apr-11 |  |
| Ergotamine tartrate | developmental | FR | 379-79-3 | 1-Apr-90 |  |
| Erionite | cancer | SQE | 12510-42-8; 66733-21-9 | 1-Oct-88 |  |
| Estradiol 17B | cancer | SQE | 50-28-2 | 1-Jan-88 | 0.02 |
| Estragole | cancer | SQE | 140-67-0 | 29-Oct-99 |  |
| Estrogens, steroidal | cancer | LC | --- | 19-Aug-05 |  |
| Estrogen-progestogen (combined) used as menopausal therapy | cancer | LC | --- | 4-Nov-11 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Estrone | cancer | SQE | 53-16-7 | 1-Jan-88 |  |
| Estropipate | cancer, developmental | FR | 7280-37-7 | 26-Aug-97 |  |
| Ethinylestradiol | cancer | SQE | 57-63-6 | 1-Jan-88 |  |
| Ethionamide | developmental | FR | 536-33-4 | 26-Aug-97 |  |
| Ethoprop | cancer | AB | 13194-48-4 | 27-Feb-01 |  |
| Ethyl acrylate | cancer | SQE | 140-88-5 | 1-Jul-89 |  |
| Ethyl alcohol in alcoholic beverages | developmental | SQE | --- | 1-Oct-87 |  |
| Ethylbenzene | cancer | AB | 100-41-4 | 11-Jun-04 | 54 (inhalation) |
| 41 (oral) |
| Ethyl-tert-butyl ether Delisted  December 13, 2013 [Clik here for the | ~~male~~ | ~~LC~~ | ~~637-92-3~~ | ~~18-Dec-09~~ |  |
| basis for delisting] |
| Ethyl dipropylthiocarbamate | developmental | AB | 759-94-4 | 27-Apr-99 | 700 (oral and |
| inhalation) |
| 6700 (dermal) |
| Ethyl-4,4'-dichlorobenzilate | cancer | AB | 510-15-6 | 1-Jan-90 | 7 |
| Ethylene dibromide | cancer | FR | 106-93-4 | 1-Jul-87 | 0.2 (oral)  3 (inhalation) |
| Ethylene dibromide | developmental, male | AB | 106-93-4 | 15-May-98 |  |
| Ethylene dichloride (1,2Dichloroethane) | cancer | SQE | 107-06-2 | 1-Oct-87 | 10 |
| Ethylene glycol (ingested) | developmental | AB | 107-21-1 | 19-Jun-15 | 8700 (oral) |
| Ethylene glycol monoethyl ether | developmental, male | SQE | 110-80-5 | 1-Jan-89 | 750 (oral) |
| 960  (inhalation) |
|
| Ethylene glycol monoethyl ether acetate | developmental, male | AB | 111-15-9 | 1-Jan-93 | 1100 (oral) |
| 1400  (inhalation) |
|
| Ethylene glycol monomethyl ether | developmental, male | SQE | 109-86-4 | 1-Jan-89 | 63 (oral) |
| Ethylene glycol monomethyl ether acetate | developmental, male | AB | 110-49-6 | 1-Jan-93 | 98 (oral) |
| Ethyleneimine (Aziridine) | cancer | SQE | 151-56-4 | 1-Jan-88 | 0.01 |
| Ethylene oxide | cancer | FR | 75-21-8 | 1-Jul-87 | 2 |
| Ethylene oxide [Basis for listing changed effective November 22, 2013] | female | FR | 75-21-8 | 27-Feb-87 | 20 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Ethylene oxide [Basis for listing changed effective November 22, 2013] | developmental, male | FR | 75-21-8 | 7-Aug-09 | 20 |
| Ethylene thiourea | cancer | AB | 96-45-7 | 1-Jan-88 | 20 |
| Ethylene thiourea | developmental | SQE | 96-45-7 | 1-Jan-93 |  |
| 2-Ethylhexanoic acid Delisted December 13, 2013 [Click here for the basis for delisting] | ~~developmental~~ | ~~LC~~ | ~~149-57-5~~ | ~~7-Aug-09~~ |  |
| Ethyl methanesulfonate | cancer | SQE | 62-50-0 | 1-Jan-88 |  |
| Etodolac | developmental, female | FR | 41340-25-4 | 20-Aug-99 |  |
| Etoposide | cancer | LC | 33419-42-0 | 4-Nov-11 |  |
| Etoposide | developmental | FR | 33419-42-0 | 1-Jul-90 |  |
| Etoposide in combination with cisplatin and bleomycin | cancer | LC | --- | 4-Nov-11 |  |
| Etretinate | developmental | SQE | 54350-48-0 | 1-Jul-87 |  |
|  |  |  |  |  |  |
| Fenoxaprop ethyl | developmental | AB | 66441-23-4 | 26-Mar-99 |  |
| Fenoxycarb | cancer | AB | 72490-01-8 | 2-Jun-00 |  |
| Filgrastim | developmental | FR | 121181-53-1 | 27-Feb-01 |  |
| Fluazifop butyl | developmental | AB | 69806-50-4 | 6-Nov-98 |  |
| Flunisolide | developmental, female | FR | 3385-03-3 | 15-May-98 |  |
| Fluorouracil | developmental | SQE | 51-21-8 | 1-Jan-89 |  |
| Fluoxymesterone | developmental | FR | 76-43-7 | 1-Apr-90 |  |
| Flurazepam hydrochloride | developmental | FR | 1172-18-5 | 1-Oct-92 |  |
| Flurbiprofen | developmental, female | FR | 5104-49-4 | 20-Aug-99 |  |
| Flutamide | developmental | FR | 13311-84-7 | 1-Jul-90 |  |
| Fluticasone propionate | developmental | FR | 80474-14-2 | 15-May-98 |  |
| Fluvalinate | developmental | AB | 69409-94-5 | 6-Nov-98 |  |
| Folpet | cancer | SQE | 133-07-3 | 1-Jan-89 | 200 |
| Formaldehyde (gas) | cancer | SQE | 50-00-0 | 1-Jan-88 | 40 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 2-(2-Formylhydrazino)-4-(5-nitro-2furyl)thiazole | cancer | SQE | 3570-75-0 | 1-Jan-88 | 0.3 |
| Fumonisin B1 | cancer | AB | 116355-83-0 | 14-Nov-03 |  |
| Furan | cancer | AB | 110-00-9 | 1-Oct-93 |  |
| Furazolidone | cancer | AB | 67-45-8 | 1-Jan-90 |  |
| Furfuryl alcohol | cancer | AB | 98-00-0 | 30-Sep-16 |  |
| Furmecyclox | cancer | AB | 60568-05-0 | 1-Jan-90 | 20 |
| Fusarin C | cancer | SQE | 79748-81-5 | 1-Jul-95 |  |
|  |  |  |  |  |  |
| Gallium arsenide | cancer | LC | 1303-00-0 | 1-Aug-08 |  |
| Ganciclovir | cancer, developmental, male | FR | 82410-32-0 | 26-Aug-97 |  |
| Ganciclovir sodium | developmental, male | FR | 107910-75-8 | 26-Aug-97 |  |
| Gasoline engine exhaust (condensates/extracts) | cancer | AB | --- | 1-Oct-90 |  |
| Gemfibrozil | cancer | FR | 25812-30-0 | 22-Dec-00 |  |
| Gemfibrozil | female, male | FR | 25812-30-0 | 20-Aug-99 |  |
| Gentian violet (Crystal violet) | cancer | SQE | 548-62-9 | 23-Nov-18 |  |
| Glass wool fibers (inhalable and biopersistent) | cancer | AB | --- | 1-Jul-90 |  |
| Glu-P-1 (2-Amino-6methyldipyrido[1,2- a:3',2'd]imidazole) | cancer | AB | 67730-11-4 | 1-Jan-90 | 0.1 |
| Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'd]imidazole) | cancer | AB | 67730-10-3 | 1-Jan-90 | 0.5 |
| Glycidaldehyde | cancer | SQE | 765-34-4 | 1-Jan-88 |  |
| Glycidol | cancer | AB | 556-52-5 | 1-Jul-90 | 0.54 |
| Glyphosate | cancer | LC | 1071-83-6 | 7-Jul-17 | 1100 |
| Goldenseal root powder | cancer | LC | --- | 4-Dec-15 |  |
| Goserelin acetate | developmental, female, male | FR | 65807-02-5 | 26-Aug-97 |  |
| Griseofulvin | cancer | AB | 126-07-8 | 1-Jan-90 |  |
| Gyromitrin (Acetaldehyde methylformylhydrazone) | cancer | SQE | 16568-02-8 | 1-Jan-88 | 0.07 |
|  |  |  |  |  |  |
| Halazepam | developmental | FR | 23092-17-3 | 1-Jul-90 |  |
| Halobetasol propionate | developmental | FR | 66852-54-8 | 20-Aug-99 |  |
| Haloperidol | developmental, female | FR | 52-86-8 | 29-Jan-99 |  |
| Halothane | developmental | FR | 151-67-7 | 1-Sep-96 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| HC Blue 1 | cancer | SQE | 2784-94-3 | 1-Jul-89 | 10 |
| Heptachlor | cancer | SQE | 76-44-8 | 1-Jul-88 | 0.2 |
| Heptachlor | developmental | AB | 76-44-8 | 20-Aug-99 |  |
| Heptachlor epoxide | cancer | SQE | 1024-57-3 | 1-Jul-88 | 0.08 |
| Herbal remedies containing plant species of the genus *Aristolochia* | cancer | LC | --- | 9-Jul-04 |  |
| Hexachlorobenzene | cancer | SQE | 118-74-1 | 1-Oct-87 | 0.4 |
| Hexachlorobenzene | developmental | SQE | 118-74-1 | 1-Jan-89 |  |
| Hexachlorobutadiene | cancer | AB | 87-68-3 | 3-May-11 |  |
| Hexachlorocyclohexane (technical grade) | cancer | SQE | --- | 1-Oct-87 | 0.2 |
| Hexachlorocyclohexane (alpha isomer) |  |  |  |  | 0.3 |
| Hexachlorocyclohexane (beta isomer) |  |  |  |  | 0.5 |
| Hexachlorocyclohexane (gamma isomer) |  |  |  |  | 0.6 |
| Hexachlorodibenzodioxin | cancer | SQE | 34465-46- 8 | 1-Apr-88 | 0.0002 |
| Hexachloroethane | cancer | AB | 67-72-1 | 1-Jul-90 | 20 |
| 2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans isomer) | cancer | AB | --- | 4-Mar-05 |  |
| Hexafluoroacetone [Basis for listing changed effective June 6, 2014] | developmental, male | LC SQE | 684-16-2 | 1-Aug-08 |  |
| Hexamethylphosphoramide | cancer | SQE | 680-31-9 | 1-Jan-88 |  |
| Hexamethylphosphoramide | male | AB | 680-31-9 | 1-Oct-94 |  |
| n-Hexane | male | SQE | 110-54-3 | 15-Dec-17 |  |
| 2,5-Hexanedione | male | SQE | 110-13-4 | 4-Dec-15 |  |
| Histrelin acetate | developmental | FR | --- | 15-May-98 |  |
| Hydramethylnon | developmental, male | AB | 67485-29-4 | 5-Mar-99 | 120 (oral) |
| Hydrazine | cancer | SQE | 302-01-2 | 1-Jan-88 | 0.04 |
| Hydrazine sulfate | cancer | SQE | 10034-93-2 | 1-Jan-88 | 0.2 |
| Hydrazobenzene (1,2Diphenylhydrazine) | cancer | SQE | 122-66-7 | 1-Jan-88 | 0.8 |
| Hydrogen cyanide (HCN) and cyanide salts (CN salts) | male | AB | --- | 5-Jul-13 |  |
| Cyanide salts that readily dissociate in solution (expressed as cyanide)f |  |  |  |  | 9.8 |
| Hydrogen cyanidef |  |  |  |  | 10 (oral) |
| Sodium cyanidef |  |  |  |  | 19 (oral) |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Potassium cyanidef |  |  |  |  | 25 (oral) |
| 1-Hydroxyanthraquinone | cancer | LC | 129-43-1 | 27-May-05 |  |
| Hydroxyurea | developmental | FR | 127-07-1 | 1-May-97 |  |
|  |  |  |  |  |  |
| Idarubicin hydrochloride | developmental, male | FR | 57852-57-0 | 20-Aug-99 |  |
| Ifosfamide | developmental | FR | 3778-73-2 | 1-Jul-90 |  |
| Iodine-131 | developmental | SQE | 10043-66-0 | 1-Jan-89 |  |
| Imazalil | cancer | AB | 35554-44-0 | 20-May-11 | 11 |
| Indeno[1,2,3-cd]pyrene | cancer | SQE | 193-39-5 | 1-Jan-88 |  |
| Indium phosphide | cancer | AB | 22398-80-7 | 27-Feb-01 |  |
| IQ (2-Amino-3-methylimidazo[4,5-f] quinoline) | cancer | AB | 76180-96-6 | 1-Apr-90 | 0.5 |
| Iprodione | cancer | AB | 36734-19-7 | 1-May-96 |  |
| Iprovalicarb | cancer | AB | 140923-17-7/ 140923-25-7 | 1-Jun-07 |  |
| Iron dextran complex | cancer | SQE | 9004-66-4 | 1-Jan-88 |  |
| Isobutyl nitrite | cancer | AB | 542-56-3 | 1-May-96 | 7.4 |
| Isoprene | cancer | AB | 78-79-5 | 1-May-96 |  |
| Isopyrazam | cancer | AB | 881685-58-1 | 24-Jul-12 |  |
| Isosafrole Delisted December 8, 2006 [Click here for the basis for delisting] | ~~cancer~~ | ~~LC~~ | ~~120-58-1~~ | ~~1-Oct-89~~ |  |
| Isotretinoin | developmental | SQE | 4759-48-2 | 1-Jul-87 |  |
| Isoxaflutole | cancer | AB | 141112-29-0 | 22-Dec-00 |  |
|  |  |  |  |  |  |
| Kresoxim-methyl | cancer | AB | 143390-89-0 | 3-Feb-12 |  |
|  |  |  |  |  |  |
| Lactofen | cancer | SQE | 77501-63-4 | 1-Jan-89 |  |
| Lasiocarpine | cancer | SQE | 303-34-4 | 1-Apr-88 | 0.09 |
| Lead [Basis for listing changed effective November 22, 2013] | developmental, female, male | FR | --- | 27-Feb-87 | 0.5 |
| Lead and lead compounds | cancer | AB | --- | 1-Oct-92 |  |
| Lead |  |  |  |  | 15 (oral) |
| Lead acetate | cancer | SQE | 301-04-2 | 1-Jan-88 | 23 (oral) |
| Lead phosphate | cancer | SQE | 7446-27-7 | 1-Apr-88 | 58 (oral) |
| Lead subacetate | cancer | LC | 1335-32-6 | 1-Oct-89 | 41 (oral) |
| Leather dust | cancer | LC | --- | 29-Apr-11 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Leuprolide acetate | developmental, female, male | FR | 74381-53-6 | 26-Aug-97 |  |
| Levodopa | developmental | FR | 59-92-7 | 29-Jan-99 |  |
| Levonorgestrel implants | female | FR | 797-63-7 | 15-May-98 |  |
| Lindane and other  hexachlorocyclohexane isomers | cancer | LC | --- | 1-Oct-89 |  |
| Linuron | developmental | AB | 330-55-2 | 19-Mar-99 | 460 |
| Lithium carbonate | developmental | FR | 554-13-2 | 1-Jan-91 |  |
| Lithium citrate | developmental | FR | 919-16-4 | 1-Jan-91 |  |
| Lorazepam | developmental | FR | 846-49-1 | 1-Jul-90 |  |
| Lovastatin | developmental | FR | 75330-75-5 | 1-Oct-92 |  |
| Lynestrenol | cancer | AB | 52-76-6 | 27-Feb-01 |  |
|  |  |  |  |  |  |
| Malathion | cancer | LC | 121-75-5 | 20-May-16 | 180 |
| Malonaldehyde, sodium salt | cancer | AB | 24382-04-5 | 3-May-11 |  |
| Mancozeb | cancer | AB | 8018-01-7 | 1-Jan-90 |  |
| Maneb | cancer | AB | 12427-38-2 | 1-Jan-90 |  |
| Marijuana smoke | cancer | SQE | --- | 19-Jun-09 |  |
| Me-A-alpha-C (2-Amino-3-methyl-9Hpyrido[2,3-b]indole) | cancer | AB | 68006-83-7 | 1-Jan-90 | 0.6 |
| Mebendazole | developmental | FR | 31431-39-7 | 20-Aug-99 |  |
| Medroxyprogesterone acetate | cancer | AB | 71-58-9 | 1-Jan-90 |  |
| Medroxyprogesterone acetate | developmental | FR | 71-58-9 | 1-Apr-90 |  |
| Megestrol acetate | cancer | FR | 595-33-5 | 28-Mar-14 |  |
| Megestrol acetate | developmental | FR | 595-33-5 | 1-Jan-91 |  |
| MeIQ (2-Amino-3,4-  dimethylimidazo[4,5-f]quinoline) | cancer | AB | 77094-11-2 | 1-Oct-94 | 0.46 |
| MeIQx (2-Amino-3,8-  dimethylimidazo[4,5-f]quinoxaline) | cancer | AB | 77500-04-0 | 1-Oct-94 | 0.41 |
| Melphalan | cancer | LC | 148-82-3 | 27-Feb-87 | 0.005 |
| Melphalan | developmental | FR | 148-82-3 | 1-Jul-90 |  |
| Menotropins | developmental | FR | 9002-68-0 | 1-Apr-90 |  |
| Mepanipyrim | cancer | AB | 110235-47-7 | 1-Jul-08 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Meprobamate | developmental | FR | 57-53-4 | 1-Jan-92 |  |
| 2‑Mercaptobenzothiazole | cancer | LC | 149-30-4 | 27-Oct-17 |  |
| Mercaptopurine | developmental | FR | 6112-76-1 | 1-Jul-90 |  |
| Mercury and mercury compounds | developmental | AB | --- | 1-Jul-90 |  |
| Merphalan | cancer | SQE | 531-76-0 | 1-Apr-88 |  |
| Mestranol | cancer | SQE | 72-33-3 | 1-Apr-88 |  |
| Metam potassium | cancer | AB | 137-41-7 | 31-Dec-10 |  |
| Methacycline hydrochloride | developmental | FR | 3963-95-9 | 1-Jan-91 |  |
| Metham sodium | cancer | AB | 137-42-8 | 6-Nov-98 |  |
| Metham sodium | developmental | AB | 137-42-8 | 15-May-98 | 290 |
| Methanol | developmental | AB | 67-56-1 | 16-Mar-12 | 47,000  (inhalation) |
|
| 23,000 (oral) |
| Methazole | developmental | AB | 20354-26-1 | 1-Dec-99 |  |
| Methimazole | developmental | FR | 60-56-0 | 1-Jul-90 |  |
| Methotrexate | developmental | SQE | 59-05-2 | 1-Jan-89 |  |
| Methotrexate sodium | developmental | FR | 15475-56-6 | 1-Apr-90 |  |
| 5-Methoxypsoralen with ultraviolet A therapy | cancer | SQE | 484-20-8 | 1-Oct-88 |  |
| 8-Methoxypsoralen with ultraviolet A therapy | cancer | LC | 298-81-7 | 27-Feb-87 |  |
| 2-Methylaziridine (Propyleneimine) | cancer | SQE | 75-55-8 | 1-Jan-88 | 0.028 |
| Methylazoxymethanol | cancer | SQE | 590-96-5 | 1-Apr-88 |  |
| Methylazoxymethanol acetate | cancer | SQE | 592-62-1 | 1-Apr-88 |  |
| Methyl bromide, as a structural fumigant | developmental | FR | 74-83-9 | 1-Jan-93 | 810  (inhalation) |
|
| Methyl carbamate | cancer | AB | 598-55-0 | 15-May-98 | 160 |
| Methyl chloride | developmental | AB | 74-87-3 | 10-Mar-00 |  |
| Methyl chloride [Basis for listing changed effective March 7, 2014] | male | AB | 74-87-3 | 7-Aug-09 |  |
| 3-Methylcholanthrene | cancer | AB | 56-49-5 | 1-Jan-90 | 0.03 |
| 5-Methylchrysene | cancer | SQE | 3697-24-3 | 1-Apr-88 | 0.0084 (oral) |
| 4,4'-Methylene bis(2-chloroaniline) | cancer | FR | 101-14-4 | 1-Jul-87 | 0.5 |
| 4,4'-Methylene bis(N,Ndimethyl)benzenamine | cancer | LC | 101-61-1 | 1-Oct-89 | 20 |
| 4,4'-Methylene bis(2-methylaniline) | cancer | SQE | 838-88-0 | 1-Apr-88 | 0.8 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 4,4'-Methylenedianiline | cancer | SQE | 101-77-9 | 1-Jan-88 | 0.4 |
| 4,4'-Methylenedianiline dihydrochloride | cancer | SQE | 13552-44-8 | 1-Jan-88 | 0.6 |
| Methyleugenol | cancer | AB | 93-15-2 | 16-Nov-01 |  |
| Methylhydrazine and its salts | cancer | AB | --- | 1-Jul-92 |  |
| Methylhydrazine |  |  |  |  | 0.058 (oral) |
| 0.090  (inhalation) |
|
| Methylhydrazine sulfate |  |  |  |  | 0.18 |
| 2-Methylimidazole | cancer | LC | 693-98-1 | 22-Jun-12 |  |
| 4-Methylimidazole | cancer | AB | 822-36-6 | 7-Jan-11 | 29 |
| Methyl iodide | cancer | SQE | 74-88-4 | 1-Apr-88 |  |
| Methyl isobutyl ketone | cancer | LC | 108-10-1 | 4-Nov-11 |  |
| Methyl isobutyl ketone (MIBK) | developmental | AB | 108-10-1 | 28-Mar-14 |  |
| Methyl isocyanate (MIC) | developmental, female | SQE | 624-83-9 | 12-Nov-10 |  |
| Methyl isopropyl ketone Delisted April 4, 2014 [Click for the basis for delisting] | ~~developmental~~ | ~~LC~~ | ~~563-80-4~~ | ~~17-Feb-12~~ |  |
| Methyl mercury | developmental | SQE | --- | 1-Jul-87 |  |
| Methylmercury compounds | cancer | AB | --- | 1-May-96 |  |
| Methyl methanesulfonate | cancer | SQE | 66-27-3 | 1-Apr-88 | 7 |
| Methyl-n-butyl ketone | developmental | SQE | 591-78-6 | 4-Dec-15 |  |
| Methyl-n-butyl ketone [Basis for listing changed effective November 9, 2015] | male | SQE | 591-78-6 | 7-Aug-09 |  |
| 2-Methyl-1-nitroanthraquinone (of uncertain purity) | cancer | SQE | 129-15-7 | 1-Apr-88 | 0.2 |
| N-Methyl-N'-nitro-N-nitrosoguanidine | cancer | SQE | 70-25-7 | 1-Apr-88 | 0.08 |
| N-Methylolacrylamide | cancer | AB | 924-42-5 | 1-Jul-90 |  |
| N-Methylpyrrolidone | developmental | AB | 872-50-4 | 15-Jun-01 | 3200  (inhalation) |
|
| 17000  (dermal) |
|
| α-Methyl styrene (alphaMethylstyrene) | cancer | LC | 98-83-9 | 2-Nov-12 |  |
| α-Methyl styrene Delisted April 4, 2014 [Click for the basis for delisting] | ~~female~~ | ~~LC~~ | ~~98-83-9~~ | ~~29-Jul-11~~ |  |
| Methyltestosterone | developmental | FR | 58-18-4 | 1-Apr-90 |  |
| Methylthiouracil | cancer | LC | 56-04-2 | 1-Oct-89 | 2 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Metiram | cancer | AB | 9006-42-2 | 1-Jan-90 |  |
| Metiram | developmental | AB | 9006-42-2 | 30-Mar-99 |  |
| Metronidazole | cancer | SQE | 443-48-1 | 1-Jan-88 |  |
| Michler's ketone | cancer | SQE | 90-94-8 | 1-Jan-88 | 0.8 |
| Midazolam hydrochloride | developmental | FR | 59467-96-8 | 1-Jul-90 |  |
| Minocycline hydrochloride (internal use) | developmental | FR | 13614-98-7 | 1-Jan-92 |  |
| Mirex | cancer | SQE | 2385-85-5 | 1-Jan-88 | 0.04 |
| Misoprostol | developmental | FR | 59122-46-2 | 1-Apr-90 |  |
| Mitomycin C | cancer | SQE | 50-07-7 | 1-Apr-88 | 0.00009 |
| Mitoxantrone hydrochloride | cancer | FR | 70476-82-3 | 23-Jan-15 |  |
| Mitoxantrone hydrochloride | developmental | FR | 70476-82-3 | 1-Jul-90 |  |
| Molinate | developmental, female, male | AB | 2212-67-1 | 11-Dec-09 |  |
| MON 4660 (dichloroacetyl-1-oxa-4azaspiro(4,5)-decane | cancer | AB | 71526-07-3 | 22-Mar-11 |  |
| MON 13900 (furilazole) | cancer | AB | 121776-33-8 | 22-Mar-11 |  |
| 3-Monochloropropane-1,2-diol (3-  MCPD) | cancer | SQE | 96-24-2 | 8-Oct-10 |  |
| Monocrotaline | cancer | SQE | 315-22-0 | 1-Apr-88 | 0.07 |
| MOPP (vincristine-prednisonenitrogen mustard-procarbazine mixture) | cancer | LC | 113803-47-7 | 4-Nov-11 |  |
| 5-(Morpholinomethyl)-3-[(5nitrofurfuryl-idene)-amino]-2oxazolidinone | cancer | SQE | 139-91-3 | 1-Apr-88 | 0.18 |
| Mustard Gas | cancer | LC | 505-60-2 | 27-Feb-87 |  |
| MX (3-chloro-4-dichloromethyl-5hydroxy-2(5H)-furanone) | cancer | SQE | 77439-76-0 | 22-Dec-00 | 0.11 |
| Myclobutanil | developmental, male | AB | 88671-89-0 | 16-Apr-99 |  |
| beta-Myrcene | cancer | AB | 123-35-3 | 27-Mar-15 |  |
| Nabam | developmental | AB | 142-59-6 | 30-Mar-99 |  |
| Nafarelin acetate | developmental | FR | 86220-42-0 | 1-Apr-90 |  |
| Nafenopin | cancer | SQE | 3771-19-5 | 1-Apr-88 |  |
| Nalidixic acid | cancer | AB | 389-08-2 | 15-May-98 | 28 |
| Naphthalene | cancer | AB | 91-20-3 | 19-Apr-02 | 5.8 |
| 1-Naphthylamine | cancer | LC | 134-32-7 | 1-Oct-89 |  |
| 2-Naphthylamine | cancer | LC | 91-59-8 | 27-Feb-87 | 0.4 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Neomycin sulfate (internal use) | developmental | FR | 1405-10-3 | 1-Oct-92 |  |
| Netilmicin sulfate | developmental | FR | 56391-57-2 | 1-Jul-90 |  |
| Nickel (Metallic) | cancer | LC | 7440-02-0 | 1-Oct-89 |  |
| Nickel acetate | cancer | LC | 373-02-4 | 1-Oct-89 |  |
| Nickel carbonate | cancer | LC | 3333-67-3 | 1-Oct-89 |  |
| Nickel carbonyl | cancer | SQE | 13463-39-3 | 1-Oct-87 |  |
| Nickel carbonyl | developmental | AB | 13463-39-3 | 1-Sep-96 |  |
| Nickel compounds | cancer | LC | --- | 7-May-04 |  |
| Nickel (soluble compounds) | developmental, male | SQE | --- | 26-Oct-18 |  |
| Nickel hydroxide | cancer | LC | 12054-48-7; 12125-56-3 | 1-Oct-89 |  |
| Nickelocene | cancer | LC | 1271-28-9 | 1-Oct-89 |  |
| Nickel oxide | cancer | LC | 1313-99-1 | 1-Oct-89 |  |
| Nickel refinery dust from the pyrometallurgical process | cancer | SQE | --- | 1-Oct-87 | 0.8 |
| Nickel subsulfide | cancer | SQE | 12035-72-2 | 1-Oct-87 | 0.4 |
| Nicotine | developmental | FR | 54-11-5 | 1-Apr-90 |  |
| Nifedipine | developmental, female, male | FR | 21829-25-4 | 29-Jan-99 |  |
| Nimodipine | developmental | FR | 66085-59-4 | 24-Apr-01 |  |
| Niridazole | cancer | SQE | 61-57-4 | 1-Apr-88 |  |
| Nitrapyrin [Basis for listing changed effective on November 4, 2015] | cancer | SQE | 1929-82-4 | 5-Oct-05 |  |
| Nitrapyrin | developmental | AB | 1929-82-4 | 30-Mar-99 |  |
| Nitrilotriacetic acid | cancer | SQE | 139-13-9 | 1-Jan-88 | 100 |
| Nitrilotriacetic acid, trisodium salt  monohydrate | cancer | SQE | 18662-53-8 | 1-Apr-89 | 70 |
| 5-Nitroacenaphthene | cancer | SQE | 602-87-9 | 1-Apr-88 | 6 |
| 5-Nitro-o-anisidine Delisted  December 8, 2006 [Click here for the | ~~cancer~~ | ~~LC~~ | ~~99-59-2~~ | ~~1-Oct-89~~ | ~~10~~ |
| basis for delisting] |
| *o*-Nitroanisole | cancer | AB | 91-23-6 | 1-Oct-92 |  |
| Nitrobenzene | cancer | AB | 98-95-3 | 26-Aug-97 |  |
| Nitrobenzene | male | AB | 98-95-3 | 30-Mar-10 |  |
| 4-Nitrobiphenyl | cancer | SQE | 92-93-3 | 1-Apr-88 |  |
| 6-Nitrochrysene | cancer | AB | 7496-02-8 | 1-Oct-90 |  |
| Nitrofen (technical grade) | cancer | SQE | 1836-75-5 | 1-Jan-88 | 9 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 2-Nitrofluorene | cancer | AB | 607-57-8 | 1-Oct-90 |  |
| Nitrofurantoin | male | AB | 67-20-9 | 1-Apr-91 |  |
| Nitrofurazone | cancer | AB | 59-87-0 | 1-Jan-90 | 0.5 |
| 1-[(5-Nitrofurfurylidene)-amino]-2imidazolidinone | cancer | SQE | 555-84-0 | 1-Apr-88 | 0.4 |
| N-[4-(5-Nitro-2-furyl)-2thiazolyl]acetamide | cancer | SQE | 531-82-8 | 1-Apr-88 | 0.5 |
| Nitrogen mustard (Mechlorethamine) | cancer | SQE | 51-75-2 | 1-Jan-88 |  |
| Nitrogen mustard (Mechlorethamine) | developmental | SQE | 51-75-2 | 1-Jan-89 |  |
| Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride) | cancer | SQE | 55-86-7 | 1-Apr-88 |  |
| Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride) | developmental | FR | 55-86-7 | 1-Jul-90 |  |
| Nitrogen mustard N-oxide | cancer | SQE | 126-85-2 | 1-Apr-88 |  |
| Nitrogen mustard N-oxide hydrochloride | cancer | SQE | 302-70-5 | 1-Apr-88 |  |
| Nitromethane | cancer | AB | 75-52-5 | 1-May-97 | 39 |
| 2-Nitropropane | cancer | SQE | 79-46-9 | 1-Jan-88 |  |
| 1-Nitropyrene | cancer | AB | 5522-43-0 | 1-Oct-90 |  |
| 4-Nitropyrene | cancer | AB | 57835-92-4 | 1-Oct-90 |  |
| N-Nitrosodi-*n*-butylamine | cancer | SQE | 924-16-3 | 1-Oct-87 | 0.06 |
| N-Nitrosodiethanolamine | cancer | SQE | 1116-54-7 | 1-Jan-88 | 0.3 |
| N-Nitrosodiethylamine | cancer | SQE | 55-18-5 | 1-Oct-87 | 0.02 |
| N-Nitrosodimethylamine | cancer | SQE | 62-75-9 | 1-Oct-87 | 0.04 |
| *p*-Nitrosodiphenylamine | cancer | SQE | 156-10-5 | 1-Jan-88 | 30 |
| N-Nitrosodiphenylamine | cancer | SQE | 86-30-6 | 1-Apr-88 | 80 |
| N-Nitrosodi-*n*-propylamine | cancer | SQE | 621-64-7 | 1-Jan-88 | 0.1 |
| N-Nitroso-N-ethylurea | cancer | SQE | 759-73-9 | 1-Oct-87 | 0.03 |
| N-Nitrosohexamethyleneimine | cancer | SQE | 932-83-2 | 23-Nov-18 |  |
| 3-(N-Nitrosomethylamino) propionitrile | cancer | AB | 60153-49-3 | 1-Apr-90 |  |
| 4-(N-Nitrosomethylamino)-1-(3pyridyl)1-butanone | cancer | AB | 64091-91-4 | 1-Apr-90 | 0.014 |
| N-Nitrosomethyl-n-butylamine | cancer | SQE | 7068-83-9 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-decylamine | cancer | SQE | 75881-22-0 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-dodecylamine | cancer | SQE | 55090-44-3 | 26-Dec-14 |  |
| N-Nitrosomethylethylamine | cancer | LC | 10595-95-6 | 1-Oct-89 | 0.03 |
| N-Nitrosomethyl-n-heptylamine | cancer | SQE | 16338-99-1 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-hexylamine | cancer | SQE | 28538-70-7 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-nonylamine | cancer | SQE | 75881-19-5 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-octylamine | cancer | SQE | 34423-54-6 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-pentylamine | cancer | SQE | 13256-07-0 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-propylamine | cancer | SQE | 924-46-9 | 26-Dec-14 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| N-Nitrosomethyl-n-tetradecylamine | cancer | SQE | 75881-20-8 | 26-Dec-14 |  |
| N-Nitrosomethyl-n-undecylamine | cancer | SQE | 68107-26-6 | 26-Dec-14 |  |
| N-Nitroso-N-methylurea | cancer | SQE | 684-93-5 | 1-Oct-87 | 0.006 |
| N-Nitroso-N-methylurethane | cancer | SQE | 615-53-2 | 1-Apr-88 | 0.006 |
| N-Nitrosomethylvinylamine | cancer | SQE | 4549-40-0 | 1-Jan-88 |  |
| N-Nitrosomorpholine | cancer | SQE | 59-89-2 | 1-Jan-88 | 0.1 |
| N-Nitrosonornicotine | cancer | SQE | 16543-55-8 | 1-Jan-88 | 0.5 |
| N-Nitrosopiperidine | cancer | SQE | 100-75-4 | 1-Jan-88 | 0.07 |
| N-Nitrosopyrrolidine | cancer | SQE | 930-55-2 | 1-Oct-87 | 0.3 |
| N-Nitrososarcosine | cancer | SQE | 13256-22-9 | 1-Jan-88 |  |
| *o*-Nitrotoluene | cancer | AB | 88-72-2 | 15-May-98 |  |
| Nitrous oxide [Basis for listing changed effective November 8, 2013] | developmental, female | AB | 10024-97-2 | 1-Aug-08 |  |
| Norethisterone (Norethindrone) | cancer | LC | 68-22-4 | 1-Oct-89 |  |
| Norethisterone (Norethindrone) | developmental | FR | 68-22-4 | 1-Apr-90 |  |
| Norethisterone acetate (Norethindrone acetate) | developmental | FR | 51-98-9 | 1-Oct-91 |  |
| Norethisterone (Norethindrone) /Ethinyl estradiol | developmental | FR | 68-22-4/ 57-63-6 | 1-Apr-90 |  |
| Norethisterone (Norethindrone) /Mestranol | developmental | FR | 68-22-4/ 72-33-3 | 1-Apr-90 |  |
| Norethynodrel | cancer | AB | 68-23-5 | 27-Feb-01 |  |
| Norgestrel | developmental | FR | 6533-00-2 | 1-Apr-90 |  |
|  |  |  |  |  |  |
| Ochratoxin A | cancer | AB | 303-47-9 | 1-Jul-90 |  |
| Oil Orange SS | cancer | SQE | 2646-17-5 | 1-Apr-88 |  |
| Oral contraceptives, combined | cancer | LC | --- | 1-Oct-89 |  |
| Oral contraceptives, sequential | cancer | LC | --- | 1-Oct-89 |  |
| Oryzalin | cancer | AB | 19044-88-3 | 12-Sep-08 |  |
| Oxadiazon | cancer | SQE | 19666-30-9 | 1-Jul-91 |  |
| Oxadiazon | developmental | AB | 19666-30-9 | 15-May-98 |  |
| Oxazepam | cancer | AB | 604-75-1 | 1-Oct-94 |  |
| Oxazepam | developmental | FR | 604-75-1 | 1-Oct-92 |  |
| p,p'-Oxybis(benzenesulfonyl hydrazide) Delisted December 13, 2013 [Click here for the basis for delisting] | ~~developmental~~ | ~~LC~~ | ~~80-51-3~~ | ~~7-Aug-09~~ |  |
| Oxydemeton methyl | female, male | AB | 301-12-2 | 6-Nov-98 |  |
| Oxymetholone | cancer | SQE | 434-07-1 | 1-Jan-88 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Oxymetholone | developmental | FR | 434-07-1 | 1-May-97 |  |
| Oxytetracycline (internal use) | developmental | FR | 79-57-2 | 1-Jan-91 |  |
| Oxytetracycline hydrochloride (internal use) | developmental | FR | 2058-46-0 | 1-Oct-91 |  |
| Oxythioquinox (Chinomethionat) | cancer | AB | 2439-01-2 | 20-Aug-99 |  |
| Oxythioquinox (Chinomethionat) | developmental | AB | 2439-01-2 | 6-Nov-98 |  |
|  |  |  |  |  |  |
| Paclitaxel | developmental, female, male | FR | 33069-62-4 | 26-Aug-97 |  |
| Palygorskite fibers (> 5µm in length) | cancer | AB | 12174-11-7 | 28-Dec-99 |  |
| Panfuran S | cancer | SQE | 794-93-4 | 1-Jan-88 |  |
| Paramethadione | developmental | FR | 115-67-3 | 1-Jul-90 |  |
| Parathion | cancer | LC | 56-38-2 | 20-May-16 |  |
| Penicillamine | developmental | FR | 52-67-5 | 1-Jan-91 |  |
| pentabromodiphenyl ether mixture [DE-71 (technical grade)] | cancer | AB | --- | 7-Jul-17 |  |
| Pentachlorophenol | cancer | AB | 87-86-5 | 1-Jan-90 | 40 |
| Pentachlorophenol and by-products of its synthesis (complex mixture) | cancer | AB | --- | 21-Oct-16 |  |
| Pentobarbital sodium | developmental | FR | 57-33-0 | 1-Jul-90 |  |
| Pentosan polysulfate sodium | cancer | LC | --- | 18-Apr-14 |  |
| Pentostatin | developmental | FR | 53910-25-1 | 1-Sep-96 |  |
| Perfluorooctane sulfonate (PFOS) | developmental | AB | 1763-23-1 | 10-Nov-17 |  |
| Perfluorooctanoic acid (PFOA) | developmental | AB | 335-67-1 | 10-Nov-17 |  |
| Pertuzumab | developmental | FR | 380610-27-5 | 27-Jan-17 |  |
| Phenacemide | developmental | FR | 63-98-9 | 1-Jul-90 |  |
| Phenacetin | cancer | LC | 62-44-2 | 1-Oct-89 | 300 |
| Phenazopyridine | cancer | SQE | 94-78-0 | 1-Jan-88 | 4 |
| Phenazopyridine hydrochloride | cancer | SQE | 136-40-3 | 1-Jan-88 | 5 |
| Phenesterin | cancer | SQE | 3546-10-9 | 1-Jul-89 | 0.005 |
| Phenobarbital | cancer | AB | 50-06-6 | 1-Jan-90 | 2 |
| Phenolphthalein | cancer | AB | 77-09-8 | 15-May-98 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Phenoxybenzamine | cancer | SQE | 59-96-1 | 1-Apr-88 | 0.2 |
| Phenoxybenzamine hydrochloride | cancer | SQE | 63-92-3 | 1-Apr-88 | 0.3 |
| Phenprocoumon | developmental | FR | 435-97-2 | 1-Oct-92 |  |
| *o*-Phenylenediamine and its salts | cancer | AB | 95-54-5 | 15-May-98 |  |
| *o*-Phenylenediamine |  |  |  |  | 26 |
| *o*-Phenylenediamine dihydochloride |  |  |  |  | 44 |
| Phenyl glycidyl ether | cancer | AB | 122-60-1 | 1-Oct-90 | 5 |
| ~~Phenyl glycidyl ether~~ | ~~male~~ | LC | ~~122-60-1~~ | ~~7-Aug-09~~ |  |
| Delisted April 4, 2014 [Click here |  |  |  |  |  |
| for the basis for delisting] |  |  |  |  |  |
| Phenylhydrazine and its salts | cancer | AB | --- | 1-Jul-92 |  |
| Phenylhydrazine |  |  |  |  | 1 |
| Phenylhydrazine hydrochloride |  |  |  |  | 1.4 |
| *o*-Phenylphenate, sodium | cancer | AB | 132-27-4 | 1-Jan-90 | 200 |
| *o*-Phenylphenol | cancer | AB | 90-43-7 | 4-Aug-00 |  |
| Phenylphosphine [Basis for listing changed effective June 6, 2014] | ~~developmental~~ male | LC SQE | 638-21-1 | 7-Aug-09 |  |
| PhiP(2-Amino-1-methyl-6phenylimidazol[4,5-b]pyridine) | cancer | AB | 105650-23-5 | 1-Oct-94 |  |
| Pimozide | developmental, female | FR | 2062-78-4 | 20-Aug-99 |  |
| Pioglitazone | cancer | LC | 111025-46-8 | 18-Apr-14 |  |
| Pipobroman | developmental | FR | 54-91-1 | 1-Jul-90 |  |
| Pirimicarb | cancer | AB | 23103-98-2 | 1-Jul-08 |  |
| Plicamycin | developmental | FR | 18378-89-7 | 1-Apr-90 |  |
| Polybrominated biphenyls | cancer | SQE | --- | 1-Jan-88 | 0.02 |
| Polybrominated biphenyls | developmental | AB | --- | 1-Oct-94 |  |
| Polychlorinated biphenyls | cancer | LC | --- | 1-Oct-89 | 0.09 |
| Polychlorinated biphenyls | developmental | SQE | --- | 1-Jan-91 |  |
| Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight) | cancer | SQE | --- | 1-Jan-88 |  |
| Polychlorinated dibenzo-*p*-dioxins | cancer | FR | --- | 1-Oct-92 |  |
| Polychlorinated dibenzofurans | cancer | FR | --- | 1-Oct-92 |  |
| Polygeenan | cancer | SQE | 53973-98-1 | 1-Jan-88 | 1200 |
| Ponceau MX | cancer | SQE | 3761-53-3 | 1-Apr-88 | 200 |
| Ponceau 3R | cancer | SQE | 3564-09-8 | 1-Apr-88 | 40 |
| Potassium bromate | cancer | AB | 7758-01-2 | 1-Jan-90 | 1 |
| Potassium dimethyldithiocarbamate | developmental | AB | 128-03-0 | 30-Mar-99 | 720 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Pravastatin sodium | developmental | FR | 81131-70-6 | 3-Mar-00 |  |
| Prednisolone sodium phosphate | developmental | FR | 125-02-0 | 20-Aug-99 |  |
| Primidone | cancer | AB | 125-33-7 | 20-Aug-99 |  |
| Procarbazine | cancer | SQE | 671-16-9 | 1-Jan-88 | 0.05 |
| Procarbazine hydrochloride | cancer | SQE | 366-70-1 | 1-Jan-88 | 0.06 |
| Procarbazine hydrochloride | developmental | FR | 366-70-1 | 1-Jul-90 |  |
| Procymidone | cancer | AB | 32809-16-8 | 1-Oct-94 |  |
| Progesterone | cancer | SQE | 57-83-0 | 1-Jan-88 |  |
| Pronamide | cancer | AB | 23950-58-5 | 1-May-96 |  |
| Propachlor | cancer | AB | 1918-16-7 | 27-Feb-01 |  |
| 1,3-Propane sultone | cancer | SQE | 1120-71-4 | 1-Jan-88 | 0.3 |
| Propargite | cancer | AB | 2312-35-8 | 1-Oct-94 |  |
| Propargite | developmental | AB | 2312-35-8 | 15-Jun-99 |  |
| Propazine | developmental, female | AB | 139-40-2 | 15-Jul-16 | 100 (oral) |
| beta-Propiolactone | cancer | SQE | 57-57-8 | 1-Jan-88 | 0.05 |
| Propoxur | cancer | AB | 114-26-1 | 11-Aug-06 |  |
| Propylene glycol mono-*t*-butyl ether | cancer | AB | 57018-52-7 | 11-Jun-04 |  |
| Propylene oxide | cancer | SQE | 75-56-9 | 1-Oct-88 |  |
| Propylthiouracil | cancer | SQE | 51-52-5 | 1-Jan-88 | 0.7 |
| Propylthiouracil | developmental | FR | 51-52-5 | 1-Jul-90 |  |
| Pulegone | cancer | LC | 89-82-7 | 18-Apr-14 |  |
| Pymetrozine | cancer | AB | 123312-89-0 | 22-Mar-11 |  |
| Pyridine | cancer | AB | 110-86-1 | 17-May-02 |  |
| Pyrimethamine | developmental | FR | 58-14-0 | 29-Jan-99 |  |
|  |  |  |  |  |  |
| Quazepam | developmental | FR | 36735-22-5 | 26-Aug-97 |  |
| Quinoline and its strong acid salts | cancer | SQE | --- | 24-Oct-97 |  |
| Quizalofop-ethyl | male | SQE | 76578-14-8 | 24-Dec-99 | 590 |
|  |  |  |  |  |  |
| Radionuclides | cancer | SQE | --- | 1-Jul-89 |  |
| Reserpine | cancer | LC | 50-55-5 | 1-Oct-89 | 0.06 |
| Residual (heavy) fuel oils | cancer | AB | --- | 1-Oct-90 |  |
| Resmethrin | cancer | AB | 10453-86-8 | 1-Jul-08 |  |
| Resmethrin | developmental | AB | 10453-86-8 | 6-Nov-98 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.) | developmental | SQE | --- | 1-Jul-89 |  |
| Ribavirin | developmental | FR | 36791-04-5 | 1-Apr-90 |  |
| Ribavirin | male | FR | 36791-04-5 | 27-Feb-01 |  |
| Riddelliine | cancer | LC | 23246-96-0 | 3-Dec-04 |  |
| Rifampin | developmental, female | FR | 13292-46-1 | 27-Feb-01 |  |
|  |  |  |  |  |  |
| Saccharin Delisted April 6, 2001  [Click here for the basis for delisting] | ~~cancer~~ | ~~LC~~ | ~~81-07-2~~ | ~~1-Oct-89~~ |  |
| Saccharin, sodium Delisted January 17, 2003 [Click here for the basis for delisting] | ~~cancer~~ | ~~SQE~~ | ~~128-44-9~~ | ~~1-Jan-88~~ |  |
| Safrole | cancer | SQE | 94-59-7 | 1-Jan-88 | 3 |
| Salted fish, Chinese-style | cancer | LC | --- | 29-Apr-11 |  |
| Secobarbital sodium | developmental | FR | 309-43-3 | 1-Oct-92 |  |
| Sedaxane | cancer | AB | 874967-67-6 | 1-Jul-16 |  |
| Selenium sulfide | cancer | LC | 7446-34-6 | 1-Oct-89 |  |
| Sermorelin acetate | developmental | FR | --- | 20-Aug-99 |  |
| Shale-oils | cancer | AB | 68308-34-9 | 1-Apr-90 |  |
| Silica, crystalline (airborne particles of respirable size) | cancer | SQE | --- | 1-Oct-88 |  |
| Simazine | developmental, female | AB | 122-34-9 | 15-Jul-16 | 100 (oral) |
| Sodium dimethyldithiocarbamate | developmental | AB | 128-04-1 | 30-Mar-99 | 23 (oral) |
| 58 (oral) as a |
| 40% pesticidal |
|
| formulation |
| Sodium fluoroacetate | male | AB | 62-74-8 | 6-Nov-98 |  |
| Soots, tars, and mineral oils  (untreated and mildly treated oils and used engine oils) | cancer | LC | --- | 27-Feb-87 |  |
| Spirodiclofen | cancer | AB | 148477-71-8 | 8-Oct-10 |  |
| Spironolactone | cancer | FR | 52-01-7 | 1-May-97 |  |
| Stanozolol | cancer | FR | 10418-03-8 | 1-May-97 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Sterigmatocystin | cancer | SQE | 10048-13-2 | 1-Apr-88 | 0.02 |
| Streptomycin sulfate | developmental | FR | 3810-74-0 | 1-Jan-91 |  |
| Streptozocin (streptozotocin) | developmental, female, male | FR | 18883-66-4 | 20-Aug-99 |  |
| Streptozotocin (streptozocin) | cancer | SQE | 18883-66-4 | 1-Jan-88 | 0.006 |
| Strong inorganic acid mists containing sulfuric acid | cancer | AB | --- | 14-Mar-03 |  |
| Styrene | cancer | AB | 100-42-5 | 22-Apr-16 | 27 |
| Styrene oxide | cancer | SQE | 96-09-3 | 1-Oct-88 | 4 |
| Sulfallate | cancer | SQE | 95-06-7 | 1-Jan-88 | 4 |
| Sulfasalazine  (Salicylazosulfapyridine) | cancer | AB | 599-79-1 | 15-May-98 |  |
| Sulfasalazine  (Salicylazosulfapyridine) | male | FR | 599-79-1 | 29-Jan-99 |  |
| Sulfur dioxidee | developmental | SQE | 7446-09-5 | 29-Jul-11 | 10000 |
| Sulindac | developmental, female | FR | 38194-50-2 | 29-Jan-99 |  |
|  |  |  |  |  |  |
| Talc containing asbestiform fibers | cancer | AB | --- | 1-Apr-90 |  |
| Tamoxifen and its salts | cancer | SQE | 10540-29-1 | 1-Sep-96 |  |
| Tamoxifen citrate | developmental | FR | 54965-24-1 | 1-Jul-90 |  |
| Temazepam | developmental | FR | 846-50-4 | 1-Apr-90 |  |
| Teniposide | developmental | FR | 29767-20-2 | 1-Sep-96 |  |
| Terbacil | developmental | AB | 5902-51-2 | 18-May-99 |  |
| Teriparatide | cancer | FR | 52232-67-4 | 14-Aug-15 |  |
| Terrazole | cancer | AB | 2593-15-9 | 1-Oct-94 |  |
| Testosterone and its esters | cancer | SQE | 58-22-0 | 1-Apr-88 |  |
| Testosterone cypionate | developmental | FR | 58-20-8 | 1-Oct-91 |  |
| Testosterone enanthate | developmental | FR | 315-37-7 | 1-Apr-90 |  |
| Tetrabromobisphenol A | cancer | LC | 79-94-7 | 27-Oct-17 |  |
| 3,3',4,4'-Tetrachloroazobenzene | cancer | AB | 14047-09-7 | 24-Jul-12 |  |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin  (TCDD) | cancer | SQE | 1746-01-6 | 1-Jan-88 | 0.000005 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin  (TCDD) | developmental | AB | 1746-01-6 | 1-Apr-91 |  |
| 1,1,1,2-Tetrachloroethane | cancer | LC | 630-20-6 | 13-Sep-13 |  |
| 1,1,2,2-Tetrachloroethane | cancer | AB | 79-34-5 | 1-Jul-90 | 3 |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Tetrachloroethylene (Perchloroethylene) | cancer | SQE | 127-18-4 | 1-Apr-88 | 14 |
| *p-a,a,a-*Tetrachlorotoluene | cancer | AB | 5216-25-1 | 1-Jan-90 |  |
| Tetrachlorvinphos | cancer | LC | 22248-79-9 | 20-May-16 |  |
| Tetracycline (internal use) | developmental | FR | 60-54-8 | 1-Oct-91 |  |
| Tetracyclines (internal use) | developmental | FR | --- | 1-Oct-92 |  |
| Tetracycline hydrochloride (internal use) | developmental | FR | 64-75-5 | 1-Jan-91 |  |
| Tetrafluoroethylene | cancer | AB | 116-14-3 | 1-May-97 |  |
| Tetranitromethane | cancer | AB | 509-14-8 | 1-Jul-90 | 0.059 |
| Thalidomide | developmental | SQE | 50-35-1 | 1-Jul-87 |  |
| Thioacetamide | cancer | SQE | 62-55-5 | 1-Jan-88 | 0.1 |
| 4,4'-Thiodianiline | cancer | SQE | 139-65-1 | 1-Apr-88 | 0.05 |
| Thiodicarb | cancer | AB | 59669-26-0 | 20-Aug-99 |  |
| Thioguanine | developmental | FR | 154-42-7 | 1-Jul-90 |  |
| Thiophanate methyl | female, male | AB | 23564-05-8 | 18-May-99 | 600 (oral) |
| Thiouracil | cancer |  | 141-90-2 | 11-Jun-04 |  |
| Thiourea | cancer | SQE | 62-56-6 | 1-Jan-88 | 10 |
| Thorium dioxide | cancer | LC | 1314-20-1 | 27-Feb-87 |  |
| Titanium dioxide (airborne, unbound particles of respirable size) | cancer | LC | --- | 2-Sep-11 |  |
| Tobacco, oral use of smokeless products | cancer | SQE | --- | 1-Apr-88 |  |
| Tobacco smoke | cancer | SQE | --- | 1-Apr-88 |  |
| Tobacco smoke (primary) | developmental, female, male | SQE | --- | 1-Apr-88 |  |
| Tobramycin sulfate | developmental | FR | 49842-07-1 | 1-Jul-90 |  |
| Toluene | developmental | SQE | 108-88-3 | 1-Jan-91 | 7000c |
| Toluene [Click here for the basis for the removal of female reproductive endpoint effective March 7, 2014] | ~~female~~ | ~~LC~~ | ~~108-88-3~~ | ~~7-Aug-09~~ |  |
| Toluene diisocyanate | cancer | LC | 26471-62-5 | 1-Oct-89 | 20 |
| *o*-Toluidine | cancer | SQE | 95-53-4 | 1-Jan-88 | 4 |
| *o*-Toluidine hydrochloride | cancer | SQE | 636-21-5 | 1-Jan-88 | 5 |
| para-Toluidine Delisted October 29, 1999 [Click here for the basis for delisting] | ~~cancer~~ | ~~AB~~ | ~~106-49-0~~ | ~~1-Jan-90~~ |  |

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| --- | --- | --- | --- | --- | --- |
| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| Topiramate | developmental | FR | 97240-79-4 | 27-Nov-15 |  |
| Toxaphene (Polychlorinated camphenes) | cancer | SQE | 8001-35-2 | 1-Jan-88 | 0.6 |
| Toxins derived from *Fusarium moniliforme (Fusarium verticillioides)* | cancer | LC | --- | 7-Aug-09 |  |
| Treosulfan | cancer | LC | 299-75-2 | 27-Feb-87 |  |
| Triadimefon | developmental, female, male | AB | 43121-43-3 | 30-Mar-99 |  |
| Triamterene | cancer | LC | 396-01-0 | 18-Apr-14 |  |
| Triazolam | developmental | FR | 28911-01-5 | 1-Apr-90 |  |
| S,S,S-Tributyl phosphorotrithioate (Tribufos, DEF) | cancer | AB | 78-48-8 | 25-Feb-11 |  |
| Tributyltin methacrylate | developmental | AB | 2155-70-6 | 1-Dec-99 |  |
| Trichlormethine (Trimustine hydrochloride) | cancer | AB | 817-09-4 | 1-Jan-92 |  |
| Trichloroacetic acid | cancer | LC | 76-03-9 | 13-Sep-13 |  |
| Trichloroethylene | cancer | SQE | 79-01-6 | 1-Apr-88 | 14 (oral) |
| 50 (inhalation) |
| Trichloroethylene | developmental, male | AB | 79-01-6 | 31-Jan-14 |  |
| 2,4,6-Trichlorophenol | cancer | SQE | 88-06-2 | 1-Jan-88 | 10 |
| 1,2,3-Trichloropropane | cancer | AB | 96-18-4 | 1-Oct-92 |  |
| Trientine hydrochloride | developmental | FR | 38260-01-4 | 27-Feb-01 |  |
| Triforine | developmental | AB | 26644-46-2 | 18-Jun-99 |  |
| 1,3,5-Triglycidyl-s-triazinetrione  Delisted December 13, 2013 [Click here for the basis for delisting] | ~~male~~ | ~~LC~~ | ~~2451-62-9~~ | ~~7-Aug-09~~ |  |
| Trilostane | developmental | FR | 13647-35-3 | 1-Apr-90 |  |
| Trimethadione | developmental | FR | 127-48-0 | 1-Jan-91 |  |
| 2,4,5-Trimethylaniline and its strong acid salts | cancer | SQE | --- | 24-Oct-97 |  |
| Trimethyl phosphate | cancer | AB | 512-56-1 | 1-May-96 | 24 |
| Trimetrexate glucuronate | developmental | FR | 82952-64-5 | 26-Aug-97 |  |
| TRIM® VX | cancer | AB | --- | 25-May-18 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 2,4,6-Trinitrotoluene (TNT) | cancer | SQE | 118-96-7 | 19-Dec-08 | 8.2 |
| Triphenyltin hydroxide | cancer | AB | 76-87-9 | 1-Jul-92 |  |
| Triphenyltin hydroxide | developmental | AB | 76-87-9 | 18-Mar-02 |  |
| Tris(aziridinyl)-p-benzoquinone  (Triaziquone) Delisted December 8, 2006 [Click here for the basis for delisting] | ~~cancer~~ | ~~LC~~ | ~~68-76-8~~ | ~~1-Oct-89~~ |  |
| Tris(1-aziridinyl)phosphine sulfide (Thiotepa) | cancer | SQE | 52-24-4 | 1-Jan-88 | 0.06 |
| Tris(2-chloroethyl) phosphate | cancer | AB | 115-96-8 | 1-Apr-92 |  |
| Tris(2,3-dibromopropyl)phosphate | cancer | SQE | 126-72-7 | 1-Jan-88 | 0.3 |
| Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | cancer | SQE | 13674-87-8 | 28-Oct-11 | 5.4 |
| Trp-P-1 (Tryptophan-P-1) | cancer | SQE | 62450-06-0 | 1-Apr-88 | 0.03 |
| Trp-P-2 (Tryptophan-P-2) | cancer | SQE | 62450-07-1 | 1-Apr-88 | 0.2 |
| Trypan blue (commercial grade) | cancer | LC | 72-57-1 | 1-Oct-89 |  |
|  |  |  |  |  |  |
| Unleaded gasoline (wholly vaporized) | cancer | SQE | --- | 1-Apr-88 |  |
| Uracil mustard | cancer | SQE | 66-75-1 | 1-Apr-88 |  |
| Uracil mustard | developmental, female, male | FR | 66-75-1 | 1-Jan-92 |  |
| Urethane (Ethyl carbamate) | cancer | SQE | 51-79-6 | 1-Jan-88 | 0.7 |
| Urethane (Ethyl carbamate) | developmental | AB | 51-79-6 | 1-Oct-94 |  |
| Urofollitropin | developmental | FR | 97048-13-0 | 1-Apr-90 |  |
|  |  |  |  |  |  |
| Valproate (Valproic acid) | developmental | SQE | 99-66-1 | 1-Jul-87 |  |
| Vanadium pentoxide (orthorhombic crystalline form) | cancer | AB | 1314-62-1 | 11-Feb-05 |  |
| Vinblastine sulfate | developmental | FR | 143-67-9 | 1-Jul-90 |  |
| Vinclozolin [basis for listing changed on November 16, 2006] | cancer | SQE | 50471-44-8 | 20-Aug-99 |  |
| Vinclozolin | developmental | AB | 50471-44-8 | 15-May-98 |  |
| Vincristine sulfate | developmental | FR | 2068-78-2 | 1-Jul-90 |  |
| Vinyl bromide | cancer | SQE | 593-60-2 | 1-Oct-88 |  |
| Vinyl chloride | cancer | LC | 75-01-4 | 27-Feb-87 | 3 |
| 4-Vinylcyclohexene | cancer | AB | 100-40-3 | 1-May-96 |  |

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| Chemical | Type of Toxicity | Listing  Mechanism | CAS No. | Date Listed | NSRL or  MADL  (µg/day)a |
| 4-Vinylcyclohexene [Click here for the basis for the removal of male reproductive endpoint, effective December 20, 2013 ] | female, ~~male~~ | SQE | 100-40--3 | 7-Aug-09 |  |
| 4-Vinyl-1-cyclohexene diepoxide  (Vinyl cyclohexenedioxide) | cancer | AB | 106-87-6 | 1-Jul-90 |  |
| Vinyl cyclohexene dioxide (4-Vinyl-1cyclohexene diepoxide) [Click here for the basis for the removal of male  reproductive endpoint, effective  December 20, 2013] | female, ~~male~~ | SQE | 106-87-6 | 1-Aug-08 |  |
| Vinyl fluoride | cancer | AB | 75-02-5 | 1-May-97 |  |
| Vinylidene chloride  (1,1-Dichloroethylene) | cancer | LC | 75-35-4 | 29-Dec-17 | 0.88 |
| Vinyl trichloride (1,1,2Trichloroethane) | cancer | AB | 79-00-5 | 1-Oct-90 | 10 |
| Vismodegib | developmental, female, male | FR | 879085-55-9 | 27-Jan-17 |  |
|  |  |  |  |  |  |
| Warfarin | developmental | SQE | 81-81-2 | 1-Jul-87 |  |
| Wood dust | cancer | LC | --- | 18-Dec-09 |  |
|  |  |  |  |  |  |
| 2,6-Xylidine (2,6-Dimethylaniline) | cancer | AB | 87-62-7 | 1-Jan-91 | 110 |
|  |  |  |  |  |  |
| Zalcitabine | cancer | LC | 7481-89-2 | 7-Aug-09 |  |
| Zidovudine (AZT) | cancer | LC | 30516-87-1 | 18-Dec-09 |  |
| Zileuton | cancer, developmental,  female | FR | 111406-87-2 | 22-Dec-00 |  |
| Zineb Delisted October 29, 1999  [Click here for the basis for delisting] | ~~cancer~~ | ~~AB~~ | ~~12122-67-7~~ | ~~1-Jan-90~~ |  |

a Where a source or product results in exposures by multiple routes, the total exposure must be b

Levels for male children and adolescents were calculated by application of the default bodyweights c

Level represents absorbed dose (rounded from 6,525 µg/day ). Since 100% of ingested toluene is

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