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inventory, the data from the 2021 reporting year will be used for the 2023 mercury inventory, and so forth at three-year intervals.

### § 713.19 Recordkeeping requirements.

Each person who is subject to the reporting requirements of this part must retain records that document any information reported to EPA. Records relevant to a reporting year must be retained for a period of 3 years beginning on the last day of the reporting year. Submitters are encouraged to retain their records longer than 3 years to ensure that past records are available as a reference when new submissions are being generated.

### § 713.21 Electronic filing.

(a) You must use the Mercury Electronic Reporting (MER) application to complete and submit required information as set forth in § 713.17. Submissions may only be made as set forth in this section.

(b) Submissions must be sent electronically to EPA via CDX.

(c) Access MER and instructions, as follows:

(1) By website. Access MER via the CDX homepage at <https://cdx.epa.gov/> and follow the appropriate links.

(2) By phone or email. Contact the EPA TSCA Hotline at (202) 554-1404 or [TSCA-Hotline@epa.gov](mailto:TSCA-Hotline@epa.gov).

## PART 716—HEALTH AND SAFETY DATA REPORTING

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716.105 Additions of substances and mixtures to which this subpart applies.

716.120 Substances and listed mixtures to which this subpart applies.

AUTHORITY: 15 U.S.C. 2607(d).

SOURCE: 51 FR 32726, Sept. 15, 1986, unless otherwise noted.

### Subpart A—General Provisions

#### § 716.1 Scope and compliance.

(a) This subpart sets forth requirements for the submission of lists and copies of health and safety studies on chemical substances and mixtures selected for priority consideration for testing rules under section 4(a) of the Toxic Substances Control Act (TSCA) and on other chemical substances and mixtures for which EPA requires health and safety information in fulfilling the purposes of TSCA.

(b) Section 15(3) of TSCA makes it unlawful for any person to fail or refuse to submit information required under this subpart. Section 16 provides that a violation of section 15 renders a person liable to the United States for a civil penalty and possible criminal prosecution. Under section 17, the district courts of the United States have jurisdiction to restrain any violation of section 15.

#### § 716.3 Definitions.

The definitions in section 3 of TSCA apply to this subpart. In addition, the following definitions are provided for the purposes of this subpart:

*Byproduct* means a chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

*Central Data Exchange* or *CDX* means EPA's centralized electronic submission receiving system.

*Chemical Information Submission System* or *CISS* means EPA's electronic, web-based tool for the completion and submission of data, reports, and other information, or its successors.

*Co-product* means a chemical substance produced for a commercial purpose during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

*Copy of study* means the written presentation of the purpose and methodology of a study and its results.

*EPA* means the United States Environmental Protection Agency.

*Health and safety study* or *study* means any study of any effect of a chemical substance or mixture on health or the environment or on both, including underlying data and epidemiological studies, studies of occupational exposure to a chemical substance or mixture, toxicological, clinical, and ecological or other studies of a chemical substance or mixture, and any test performed under TSCA.

(1) It is intended that the term *health and safety study* be interpreted broadly. Not only is information which arises as a result of a formal, disciplined study included, but other information relating to the effects of a chemical substance or mixture on health or the environment is also included. Any data that bear on the effects of a chemical substance on health or the environment would be included. Chemical identity is part of, or underlying data to, a health and safety study.

(2) Examples are:

(i) Long- and short-term tests of mutagenicity, carcinogenicity, or teratogenicity; data on behavioral disorders; dermatotoxicity; pharmacological effects; mammalian absorption, distribution, metabolism, and excretion; cumulative, additive, and synergistic effects; and acute, subchronic, and chronic effects.

(ii) Tests for ecological or other environmental effects on invertebrates, fish, or other animals, and plants, including: Acute toxicity tests, chronic toxicity tests, critical life-stage tests, behavioral tests, algal growth tests, seed germination tests, plant growth or damage tests, microbial function tests, bioconcentration or bioaccumulation tests, and model ecosystem (microcosm) studies.

(iii) Assessments of human and environmental exposure, including workplace exposure, and impacts of a particular chemical substance or mixture

on the environment, including surveys, tests, and studies of: Biological, photochemical, and chemical degradation; structure/activity relationships; air, water, and soil transport; biomagnification and bioconcentration; and chemical and physical properties, e.g., boiling point, vapor pressure, evaporation rates from soil and water, octanol/water partition coefficient, and water solubility.

(iv) Monitoring data, when they have been aggregated and analyzed to measure the exposure of humans or the environment to a chemical substance or mixture.

*Import* means to import for commercial purposes.

*Import for commercial purposes* means to import with the purpose of obtaining an immediate or eventual commercial advantage for the importer, and includes the importation of any amount of a chemical substance or mixture. If a chemical substance or mixture containing impurities is imported for commercial purposes, then those impurities are also imported for commercial purposes.

*Importer* means any person who imports a chemical substance, including a chemical substance as a part of a mixture or article, into the customs territory of the United States and includes the person primarily liable for the payment of any duties on the merchandise or an authorized agent acting on his behalf (as defined in 19 CFR 1.11). Importer also includes, as appropriate:

(1) The consignee.

(2) The importer of record.

(3) The actual owner, if an actual owner's declaration and superseding bond has been filed in accordance with 19 CFR 141.20.

(4) The transferee, if the right to draw merchandise in a bonded warehouse has been transferred in accordance with subpart C of 19 CFR part 144. For the purpose of this definition, the customs territory of the United States consists of the 50 States, Puerto Rico, and the District of Columbia.

*Impurity* means a chemical substance which is unintentionally present with another chemical substance.

*Listed mixture* means any mixture listed in § 716.120.

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*Manufacture* means to manufacture for commercial purposes.

*Manufacture for commercial purposes* means: (1) To produce, with the purpose of obtaining an immediate or eventual commercial advantage for the manufacturer, and includes among other things such “manufacture” of any amount of a chemical substance or mixture:

(i) For commercial distribution, including for test marketing.

(ii) For use by the manufacturer, including use for product research and development, or as an intermediate.

(2) Manufacture for commercial purposes also applies to substances that are produced coincidentally during the manufacture, processing, use, or disposal of another substance or mixture, including byproducts and impurities. Such byproducts and impurities may, or may not, in themselves have commercial value. They are nonetheless produced for the purpose of obtaining a commercial advantage since they are part of the manufacture of a chemical product for a commercial purpose.

*Manufacturer* means a person who produces or manufactures a chemical substance. A person who extracts a component chemical substance from a previously existing chemical substance or a complex combination of substances is a manufacturer of that component chemical substance.

*Person* includes any individual, firm, company, corporation, joint-venture, partnership, sole proprietorship, association, or any other business entity, any State or political subdivision thereof, any municipality, any interstate body, and any department, agency, or instrumentality of the Federal government.

*Process* means to process for commercial purposes.

*Process for commercial purposes* means the preparation of a chemical substance or mixture, after its manufacture, for distribution in commerce with the purpose of obtaining an immediate or eventual commercial advantage for the processor. Processing of any amount of a chemical substance or mixture is included. If a chemical substance or mixture containing impurities is processed for commercial pur-

poses, then those impurities are also processed for commercial purposes.

*Propose to manufacture, import, or process* means that a person has made a management decision to commit financial resources toward the manufacture, importation, or processing of a substance or mixture.

*Substance* means *chemical substance* as defined at section 3(2)(A) of TSCA, 15 U.S.C. 2602(2)(A).

*TSCA* means the Toxic Substances Control Act (15 U.S.C. 2601 *et seq.*).

[51 FR 32726, Sept. 15, 1986, as amended at 78 FR 72826, Dec. 4, 2013]

### §716.5 Persons who must report.

(a) Except as provided in paragraphs (b) and (c) of this section, only those persons described in this section are required to report under this part. Persons who must report include manufacturers (including importers) who fall within the North American Industry Classification System (NAICS) (in effect as of January 1, 1997) Subsector 325 (chemical manufacturing and allied products) or Industry Group 32411 (petroleum refineries), who:

(1) In the 10 years preceding the effective date on which a substance or mixture is added to §716.120, either had proposed to manufacture (including import), or had manufactured (including imported) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in §716.65.

(2) As of the effective date on which a substance or mixture is added to §716.120, and who propose to manufacture (including import), or who are manufacturing (including importing) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in §716.65.

(3) After the effective date on which a substance or mixture is added to §716.120, and who propose to manufacture (including import) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in §716.65.

(b) A rule promulgated under the authority of 15 U.S.C. 2607(d) may require

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that any person who does not fall within NAICS (in effect as of January 1, 1997) Subsector 325 or Industry Group 32411, and who had proposed to manufacture (including import) or process, had manufactured (including imported) or processed, proposes to manufacture (including import) or process, or is manufacturing (including importing) or processing a substance or mixture listed in § 716.120 must report under this part.

(c) Processors and persons who propose to process a substance or mixture otherwise subject to the reporting requirements imposed by this part are not subject to this part unless EPA specifically states otherwise in a particular notice or rule promulgated under the authority of 15 U.S.C. 2607(d).

[63 FR 15773, Apr. 1, 1998]

### § 716.10 Studies to be reported.

(a) In general, health and safety studies, as defined in § 716.3, on any substance or listed mixture listed in § 716.120, that are unpublished are reportable, i.e., must be submitted or listed. However, this requirement has limitations according to the nature of the material studied, so that:

(1) All studies of substances and listed mixtures are reportable. However, in the case of physical and chemical properties, only those studies listed in § 716.50 must be submitted.

(2) Studies of mixtures known to contain substances or listed mixtures listed in § 716.120 are reportable except for studies of physical and chemical properties and the studies exempted at § 716.20(a)(6) (i) through (vi).

(3) Studies of substances or listed mixtures that a person who is reporting has manufactured, imported, or processed or proposed to manufacture, import, or process only as impurities are not generally reportable under § 716.20(a)(9).

(4) Underlying data, such as medical or health records, individual files, lab notebooks, and daily monitoring records supporting studies do not have to be submitted initially. EPA may request underlying data later under § 716.40.

(b) [Reserved]

### § 716.20 Studies not subject to the reporting requirements.

(a) Excluding paragraph (a)(3) of this section, the following types of studies are exempt from the copy and list submission requirements of §§ 716.30 and 716.35.

(1) Studies which have been published in the scientific literature.

(2) Studies previously submitted to the EPA Office of Pollution Prevention and Toxics. These studies are limited to section 8(e) submissions, studies submitted during section 4 proceedings, studies submitted with premanufacture notices or significant new use notices, and studies submitted “for your information” (FYI submissions) in support of EPA’s TSCA Existing Chemicals Program. Studies which have been initiated pursuant to a TSCA section 4(a) test rule, for which the person has submitted a letter of intent to conduct testing in accordance with the provisions of § 790.25 of part 790 of this chapter, are exempt from the list submission requirements of § 716.35.

(3) Except for those studies described in paragraph (a)(2) of this section, studies previously submitted to any Federal agency with no claims of confidentiality are exempt only from the copy submission requirements of § 716.30, and must be listed in accordance with the provisions of § 716.35.

(4) Studies conducted or initiated by or for another person who is subject to, and who will report the studies under §§ 716.30 and 716.35.

(5) Studies of chemical substances which are not on the TSCA Chemical Substances Inventory. This exemption applies only to those substances within categories listed under § 716.120(c).

(6) The following types of studies when the subject of the study is a mixture known to contain a substance or listed mixture listed under § 716.120.

- (i) Acute oral toxicity studies.
- (ii) Acute dermal toxicity studies.
- (iii) Acute inhalation toxicity studies.
- (iv) Primary eye irritation studies.
- (v) Primary dermal irritation studies.
- (vi) Dermal sensitization studies.
- (vii) Physical and chemical properties.

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If the substance or listed mixture is an impurity, no reporting is required (see paragraph (a)(9) of this section).

(7) Analyzed aggregations of monitoring data based on monitoring data acquired more than 5 years preceding the date the substance or listed mixture was added to the list under §716.120.

(8) Analyzed aggregations of monitoring data on mixtures known to contain one or more substances or listed mixtures listed in §716.120, when the monitoring data are not analyzed to determine the exposure or concentration levels of the substances or listed mixture listed under §716.120.

(9) Studies on a substance or listed mixture listed under §716.120 that the person who is reporting has manufactured, imported, or processed or proposed to manufacture, import, or process only as an impurity. When reporting of such studies is to be required, that reporting will be separately proposed in the FEDERAL REGISTER.

(10) Studies of chemical substances or listed mixtures previously submitted by trade associations in accordance with the provisions of §716.30.

(b) The following types of studies on substances or listed mixtures listed under §716.120 are exempt from the copy and list submission requirements of §§716.30 and 716.35.

(1) For the listed ureaformaldehyde resins (CAS Nos. 9011-05-6 and 68611-64-3), studies on agronomic plant growth or damage which demonstrate only that the resins stimulate plant growth or cause plant damage when applied as a fertilizer.

(2) For the specified chemicals in §716.120(d) under the category “Siloxanes,” acute oral, dermal, and inhalation toxicity studies and primary eye and dermal irritation studies.

(3) For the listed chemicals under §716.120(d) in the category “OSHA Chemicals in Need of Dermal Absorption Testing,” studies on ecological effects.

(4) For the chemicals listed at §716.120 with a special exemption referencing this paragraph, studies on mixtures containing the listed substance at levels below 1 percent of the mixture, except when a purpose of the study includes the investigation of the

effects of the listed substance at levels below 1 percent.

(5) Rulemaking proceedings that add substances and mixtures to §716.120 will specify the types of health and/or environmental effects studies that must be reported and will specify the chemical grade/purity requirements that must be met or exceeded in individual studies. Chemical grade/purity requirements will be specified on a per chemical basis or for a category of chemicals for which reporting is required.

[51 FR 32726, Sept. 15, 1986, as amended at 58 FR 47649, Sept. 10, 1993; 58 FR 68315, Dec. 27, 1993; 60 FR 34884, July 5, 1995; 63 FR 15773, Apr. 1, 1998]

### §716.21 Chemical specific reporting requirements.

(a) Health and safety studies reportable under part 716 for the following chemical substances, mixtures, or categories of chemical substances, as listed in §716.120, must be submitted or listed only as specified in this section:

(1) For 3H-1,2,4-triazole-3-thione, 5-amino-1,2-dihydro- and imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro-, all unpublished environmental effects studies and health effects studies on pharmacokinetics, genotoxicity, subchronic toxicity, immunotoxicity, carcinogenicity, reproductive effects, and developmental toxicity where the purity of 3H-1,2,4-triazole-3-thione, 5-amino-1,2-dihydro- or imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro- is greater than or equal to 90% of the test substance by weight must be submitted.

(2) For benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on biodegradation, and health effects studies on pharmacokinetics, subchronic toxicity, mutagenicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- is greater than or equal to 90% of the test substance by weight must be submitted.

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(3) For stannane, dimethylbis(1-oxoneodecyl)oxy]-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on hydrolysis and biodegradation and health effects studies on pharmacokinetics, subchronic toxicity, mutagenicity, neurotoxicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of stannane, dimethylbis(1-oxoneodecyl)oxy]- is greater than or equal to 90% of the test substance by weight must be submitted.

(4) For benzene, 1,3,5-tribromo-2-(2-propenyloxy)-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on biodegradation and health effects studies on pharmacokinetics, subchronic toxicity, neurotoxicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of benzene, 1,3,5-tribromo-2-(2-propenyloxy)- is greater than or equal to 90% of the test substance by weight must be submitted.

(5) For 1-triazene, 1,3-diphenyl-, all unpublished health effects studies on pharmacokinetics, genotoxicity, subchronic and chronic toxicity, reproductive effects, and developmental toxicity where the purity of 1-triazene, 1,3-diphenyl- is greater than or equal to 90% of the test substance by weight must be submitted.

(6) For the 9 chemicals in the indium compound category, all unpublished health effects studies on pharmacokinetics, genotoxicity, subchronic and chronic toxicity, reproductive effects, and developmental toxicity where the purity of the indium compound is greater than or equal to 90% of the test substance by weight must be submitted.

(7) For all voluntary HPV Challenge Program orphan (unsponsored) chemicals:

(i) All unpublished environmental fate studies, meeting the criteria set forth in paragraph (a)(7)(iv) of this section, on water solubility; adsorption/desorption on particulate surfaces, e.g., soil; vapor pressure; octanol/water partition coefficient; density/relative density (specific gravity); particle size distribution for insoluble solids; dissociation constant; degradation by photo-

chemical mechanisms—aquatic and atmospheric; degradation by chemical mechanisms—hydrolytic, reductive, and oxidative; degradation by biological mechanisms—aerobic and anaerobic. Studies of physical and chemical properties meeting the criteria set forth in paragraph (a)(7)(iv) of this section must be reported if performed for the purpose of determining the environmental or biological fate of a substance, and only if they investigated one or more of the properties listed in this paragraph. In addition, all unpublished studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section on melting point and boiling point must be submitted.

(ii) All unpublished health effects studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section including pharmacokinetics, genotoxicity, acute toxicity, subacute toxicity, subchronic toxicity, chronic toxicity, reproductive toxicity, developmental toxicity, immunotoxicity, neurotoxicity, and oncogenicity/carcinogenicity.

(iii) All unpublished environmental effects studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section including acute and chronic toxicity studies of aquatic and terrestrial vertebrates and invertebrates and aquatic plants.

(iv) Only studies where the voluntary HPV Challenge Program orphan (unsponsored) chemical is  $\geq 90\%$  of the test substance by weight should be submitted. In addition, only studies that were conducted using TSCA, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Organization for Economic Cooperation and Development (OECD) or other internationally accepted test guidelines or voluntary consensus standards should be submitted. Studies performed where the voluntary HPV Challenge Program orphan (unsponsored) chemical is  $< 90\%$  of the test substance by weight are not requested at this time.

(8)(i) Reporting requirements apply only to manufacturers (including importers) of consumer products intended for use by children who also manufacture (including import) lead or lead compounds. For the category “lead and

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lead compounds,” all unpublished health and safety studies that:

(A) Relate to the lead content of consumer products that are “intended for use by children” as that term is defined at 40 CFR 710.43 (excluding children’s metal jewelry), or

(B) Assess children’s exposure to lead from such products (including studies of bioavailability).

(i) With regard to purity, studies showing any measurable lead content in such products must be submitted.

(b) [Reserved]

[69 FR 24522, May 4, 2004, as amended at 71 FR 47135, Aug. 16, 2006; 73 FR 5115, Jan. 29, 2008]

### § 716.25 Adequate file search.

The scope of a person’s responsibility to search records is limited to records in the location(s) where the required information is typically kept, and to records kept by the person or the person’s individual employee(s) who is/are responsible for keeping such records or advising the person on the health and environmental effects of chemicals. Persons are not required to search for reportable information dated before January 1, 1977, to comply with this subpart unless specifically required to do so in a rule.

[63 FR 15773, Apr. 1, 1998]

### § 716.30 Submission of copies of studies.

(a)(1) Except as provided in §§ 716.5, 716.20, and 716.50, persons must send to EPA copies of any health and safety studies in their possession for the substances or mixtures listed in § 716.120. Persons are responsible for submitting copies on only the substances or listed mixtures which they: Have manufactured, imported, or processed or proposed to manufacture, import, or process (including as known byproducts) within the 10 years preceding the effective date for reporting on the substances or listed mixtures; manufacture, import, or process on the effective date for reporting on the substances or listed mixtures; and propose to manufacture, import, or process following the effective date for reporting on the substances or listed mixtures. Persons who list studies as ongoing or

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initiated under § 716.35(a) (1) and (2) must submit them when they are completed.

(2) [Reserved]

(b) Submissions under paragraph (a) of this section must be identified either on the face of the study or otherwise by the applicable chemical name and CAS number (if any) listed in § 716.120(a) (1) and (2), and must be accompanied by a cover letter containing the name, job title, address and telephone number of the submitting official, and the name and address of the manufacturing or processing establishment on whose behalf the submission is made. In the cover letter, submitters must identify any impurity or additive known to have been present in the substance or listed mixtures as studied unless its presence is specifically noted in the study itself. The cover letter accompanying a study submitted by a trade association must also state that the submission is to satisfy reporting requirements under this part.

(c) Persons must use the CISS tool to complete and submit all data, reports, and other information required by 40 CFR part 716, via CDX. Submission requires registration with CDX, and must be made only as set forth in this section.

(d) To access the CISS tool go to <https://cdx.epa.gov/ssl/CSPP/PrimaryAuthorizedOfficial/Home.aspx> and follow the appropriate links and for further instructions to go <http://www.epa.gov/oppt/chemtest/ereporting/index.html>.

[51 FR 32726, Sept. 15, 1986, as amended at 52 FR 20084, May 29, 1987; 52 FR 44828, Nov. 20, 1987; 53 FR 12523, Apr. 15, 1988; 60 FR 34463, July 3, 1995; 63 FR 15773, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006; 78 FR 72826, Dec. 4, 2013]

### § 716.35 Submission of lists of studies.

(a) Except as provided in §§ 716.5, 716.20, and 716.50, persons subject to this rule must send lists of studies to EPA for each of the listed substances or listed mixtures (including as a known byproduct) in § 716.120 which they are manufacturing, importing, or processing, or which they propose to manufacture (including import) or process.

(1) *Ongoing studies.* As of the date a person becomes subject to this part, a

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list of ongoing health and safety studies being conducted by or initiated for them, noting for each entry: The beginning date of the study, the purpose of the study, the types of data to be collected, the anticipated date of completion, and the name and address of the laboratory conducting the study.

(2) *Initiated studies.* After the date a person becomes subject to this part, a list of studies initiated by or for them, noting for each entry: The beginning date of the study, the purpose of the study, the types of data to be collected, the anticipated date of completion, and the name and address of the laboratory conducting the study.

(3) *Studies which are known but without possession of copies.* As of the date a person becomes subject to this part, a list of unpublished health and safety studies known to them of which they do not have copies. The name and address of any person known to them to possess a copy of the unpublished study must accompany each entry on the list. For purposes of this section only, an unpublished study will be considered to be “known to” a person, if the study can be discovered by a file search in accordance with § 716.25.

(4) *Studies previously sent to Federal agencies without confidentiality claims.* A list of unpublished studies which have been sent to a Federal Agency with no claims of confidentiality. The submission must for each study: Identify the study by title, state the name and address to whom the study was sent, and the month and year in which the study was submitted. Any study identified will be treated as if it were submitted under section 8(d) and will be available for public disclosure under section 14(b) of TSCA. Persons subject to this requirement may submit either a list of unpublished health and safety studies previously submitted to any Federal agency without claims of confidentiality in accordance with § 716.35(a)(4), or copies of each such study in accordance with § 716.30.

(b) Submission under paragraph (a) of this section must be identified either on the face of the study or otherwise by the applicable chemical name and CAS number (if any) listed in § 716.120(a) (1) and (2), and must be accompanied by a cover letter containing

the name, job title, address and telephone numbers of the submitting official, and the name and address of the manufacturing or processing establishment on whose behalf the submission is made.

(c) Persons must use the CISS tool to complete and submit all data, reports, and other information required by 40 CFR part 716, via CDX. Submission requires registration with CDX, and must be made only as set forth in this section.

(d) To access the CISS tool go to <https://cdx.epa.gov/ssl/CSPP/PrimaryAuthorizedOfficial/Home.aspx> and follow the appropriate links and for further instructions to go <http://www.epa.gov/oppt/chemtest/ereporting/index.html>.

[51 FR 32726, Sept. 15, 1986, as amended at 52 FR 20084, May 29, 1987; 52 FR 44828, Nov. 20, 1987; 53 FR 12523, Apr. 15, 1988; 53 FR 46746, Nov. 18, 1988; 60 FR 34463, July 3, 1995; 63 FR 15774, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006; 78 FR 72826, Dec. 4, 2013]

### § 716.40 EPA requests for submission of further information.

EPA may, by letter, request a person to submit or make available for review the following information after the initial reporting under §§ 716.30 and 716.35. If the requested submissions are not made, EPA may subpoena them under section 11 of TSCA, 15 U.S.C. 2610.

(a) Submission of underlying data of the kind described in § 716.10(a)(4) by persons who submit copies of studies under § 716.30 or list studies under § 716.35(a)(1) or § 716.35(a)(2).

(b) Submission of preliminary reports of ongoing studies by persons who list the studies under § 716.35(a)(1) or § 716.35(a)(2).

(c) Submission of copies of studies by persons listed under § 716.35(a)(3) as possessing them.

### § 716.45 How to report on substances and mixtures.

Section 716.120 lists substances and mixtures, in order by Chemical Abstract Service Registry Number and by alphabetical order. Studies of listed substances and listed mixtures shall be reported as follows:

(a) When a substance is individually listed under § 716.120(a), studies of the



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substance and studies of mixtures known to contain the substance must be reported as studies of that substance.

(b) When two or more substances are listed as a mixture under § 716.120(b), studies of the listed mixture and studies of any mixture known to contain the listed mixture must be reported as studies of the listed mixture.

(c) Studies of the following preparations of a substance must be reported as studies of the substance itself, not as studies of mixtures known to contain the substance.

(1) The substance in aqueous solution.

(2) The substance containing a small amount of an additive, such as a stabilizer, emulsifier, or other chemical added for purposes of maintaining the integrity or physical form of the substance.

(3) The substance of the grade/purity specified in each rule promulgated under 15 U.S.C. 2607(d).

[51 FR 32726, Sept. 15, 1986, as amended at 63 FR 15774, Apr. 1, 1998]

## § 716.50 Reporting physical and chemical properties.

Studies of physical and chemical properties must be reported under this subpart if performed for the purpose of determining the environmental or biological fate of a substance, and only if they investigated one or more of the following properties:

- (a) Water solubility.
- (b) Adsorption/desorption on particulate surfaces, e.g., soil.
- (c) Vapor pressure.
- (d) Octanol/water partition coefficient.
- (e) Density/relative density (specific gravity).
- (f) Particle size distribution for insoluble solids.
- (g) Dissociation constant.
- (h) Degradation by photochemical mechanisms—aquatic and atmospheric.
- (i) Degradation by chemical mechanisms—hydrolytic, reductive, and oxidative.
- (j) Degradation by biological mechanisms—aerobic and anaerobic.

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### § 716.55 Confidentiality claims.

(a)(1) Section 14(b) of TSCA provides that EPA may not withhold from disclosure, on the grounds that they are confidential business information, health and safety studies of any substance or mixture that has been offered for commercial distribution (including for test marketing purposes and for use in research and development), any substance or mixture for which testing is required under TSCA section 4, or any substance for which notice is required under TSCA section 5, except to the extent that disclosure of data from such studies would reveal—

(i) Processes used in the manufacturing, importing, or processing of the substance or mixture, or

(ii) The portion of a mixture comprised by any of the substances in the mixture.

(2) Any respondent who wishes to assert a claim that part of a study should be withheld from disclosure because disclosure would reveal a confidential process or quantitative mixture composition should briefly state the basis of the claim, e.g., by saying “reveals confidential mixture proportion data,” and clearly identify the material subject to the claim.

(3) Any respondent may assert a confidentiality claim for company name or address, financial statistics, and product codes used by a company. This information will not be subject to the disclosure requirements of section 14(b) of TSCA.

(4) Information other than company name or address, financial statistics, and product codes used by a company, which is contained in a study, the disclosure of which would clearly be an unwarranted invasion of personal privacy (such as individual medical records), will be considered confidential by EPA as provided in Title 5, United States Code, section 552(b)(6).

(b) To assert a claim of confidentiality for data contained in a submitted document, the respondent must submit two copies of the document:

(1) One copy must be complete. In that copy, the respondent must indicate what data, if any, are claimed as confidential by bracketing or underlining the specific information. Each

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page containing data claimed as confidential must also contain a brief statement for the basis of the claim as well as a label such as “confidential,” “proprietary,” or “trade secret.”

(2) The second copy must be complete, except that all information claimed as confidential in the first copy must be deleted. The second copy will be immediately subject to public disclosure.

(3) Failure to furnish a second copy when information is claimed as confidential in the first copy will be considered a presumptive waiver of the claim of confidentiality. EPA will notify the respondent by certified mail that a finding of a presumptive waiver of the claim of confidentiality has been made. The respondent will be given 30 days from the date of his or her receipt of this notification to submit the required second copy in accordance with the method specified in § 716.30(d). If the respondent fails to submit the second copy within the 30 days, EPA will place the first copy in the docket.

(c) If no claim of confidentiality accompanies a document at the time it is submitted to EPA, the document will be placed in an open file available to the public without further notice to the respondent.

[51 FR 32726, Sept. 15, 1986, as amended at 78 FR 72826, Dec. 4, 2013]

### § 716.60 Reporting schedule.

(a) *General requirements.* Except as provided in § 716.5 and paragraphs (b) and (c) of this section, submissions under §§ 716.30 and 716.35 must be submitted using the electronic method specified in §§ 716.30(c) and 716.35(c), on or before 60 days after the effective date of the listing of a substance or mixture in § 716.120 or within 60 days of proposing to manufacture (including import) or process a listed substance or listed mixture (including as a known byproduct) if first done after the effective date of the substance or mixture being listed in § 716.120.

(b)(1) *Submission of lists of initiated studies.* Persons subject to the listing requirements of § 716.35(a)(2) must inform EPA of the initiated study within 30 days of its initiation.

(2) *Submission of copies of completed studies.* Persons must submit studies

listed as ongoing or initiated under § 716.35(a)(1) and (2) within 30 days of completing the study, using the method specified in §§ 716.30(c) and 716.35(c).

(c) *Requests for extensions of time.* Respondents who cannot meet a deadline under this section may apply for a reasonable extension of time. Extension requests must be submitted on or before 40 days after the effective date of the listing of a substance or mixture in § 716.120, using the electronic method specified in §§ 716.30(c) and 716.35(c). The Director of EPA’s Office of Pollution Prevention and Toxics will grant or deny extension requests.

(d) *Submission methods.* Persons must use the CISS tool to complete and submit all data, reports, and other information required by 40 CFR part 716, via CDX. Submission requires registration with CDX, and must be made only as set forth in this section.

(e) To access the CISS tool go to <https://cdx.epa.gov/ssl/CSPP/PrimaryAuthorizedOfficial/Home.aspx> and follow the appropriate links and for further instructions to go <http://www.epa.gov/oppt/chemtest/ereporting/index.html>.

[51 FR 32726, Sept. 15, 1986, as amended at 60 FR 34464, July 3, 1995; 63 FR 15774, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006; 78 FR 72826, Dec. 4, 2013]

### § 716.65 Reporting period.

Unless otherwise required in a rule promulgated under 15 U.S.C. 2607(d) relating to a listed chemical substance or listed mixture [hereinafter “rule”], the reporting period for a listed chemical substance or listed mixture will terminate 60 days after the effective date on which the listed chemical substance or listed mixture is added to 40 CFR 716.120. EPA may require reporting for a listed chemical substance or listed mixture beyond the 60 day period in a rule promulgated under 15 U.S.C. 2607(d), however EPA will not extend any reporting period later than 2 years after the effective date on which a listed chemical substance or listed mixture is added to 40 CFR 716.120. After the applicable reporting period terminates, any person subject to the rule under 40 CFR 716.5 (a)(2) or (a)(3) and who has submitted to EPA lists of ongoing or initiated studies under 40 CFR

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716.35 (a)(1) or (a)(2) must submit a copy of any such study within 30 days after its completion, regardless of the study's completion date.

[63 FR 15774, Apr. 1, 1998]

### Subpart B—Specific Chemical Listings

#### § 716.105 Additions of substances and mixtures to which this subpart applies.

The requirements of this subpart will be extended periodically to cover additional substances and mixtures. Two procedures will be used to add substances and mixtures.

(a) Except as provided in paragraph (b) of this section, substances and mixtures will be added to § 716.120 after publication in the FEDERAL REGISTER of a notice of proposed amendment to this subpart. There will be at least a 30-day public comment period on the notice. After consideration of the comments, EPA will amend § 716.120 by final rule to add the substances and listed mixtures.

(b) Except as provided in paragraph (c) of this section, chemical substances, mixtures, and categories of chemical substances that have been added to the TSCA section 4(e) Priority List by the Interagency Testing Committee, established under section 4 of TSCA, will be added to § 716.120 but only to the extent that the total number of designated and recommended substances, mixtures and categories of chemical substances has not exceeded 50 in any 1 year. The addition of such chemical substances, mixtures, and categories of chemical substances to § 716.120 will be effective 30 days after publication of a notice to that effect in the FEDERAL REGISTER.

(c) Prior to the effective date of an amendment under paragraph (b) of this section, the Assistant Administrator for Chemical Safety and Pollution Prevention may for good cause withdraw a chemical substance, mixture, or category of chemical substances from § 716.120. Any information submitted showing why a chemical substance, mixture, or category of chemical substances should be withdrawn from the amendment must be received by EPA within 14 days after the date of publi-

cation of the notice under paragraph (b) of this section. If a chemical substance, mixture, or category of chemical substances is withdrawn, a FEDERAL REGISTER notice announcing this decision will be published no later than the effective date of the amendment under paragraph (b) of this section.

(d) Persons who wish to submit information that shows why a substance should be withdrawn must submit their comments by using the CISS tool to complete and submit all data, reports, and other information required by 40 CFR part 716, via CDX. Submission requires registration with CDX, and must be made only as set forth in this section.

(e) To access the CISS tool go to <https://cdx.epa.gov/ssl/CSPP/PrimaryAuthorizedOfficial/Home.aspx> and follow the appropriate links and for further instructions to go <http://www.epa.gov/oppt/chemtest/ereporting/index.html>.

[51 FR 32726, Sept. 15, 1986, as amended at 60 FR 34464, July 3, 1995; 71 FR 47135, Aug. 16, 2006; 77 FR 46292, Aug. 3, 2012; 78 FR 72827, Dec. 4, 2013]

#### § 716.120 Substances and listed mixtures to which this subpart applies.

Substances listed in this section appear in order by Chemical Abstract Service Registry Number. Chemical mixtures and categories are listed separately and by alphabetical order. Chemical substances listed within a category are provided only as examples of the category, and are not included on the list of substances. When a chemical substance in the substance or category list had been listed previously by a trivial (or common) name, it appears first, followed by the Chemical Abstract Service (CAS) name appearing in the TSCA Chemical Substance Inventory.

(a) *List of substances.* The following chemical substances are subject to all the provisions of part 716. Manufacturers, importers, and processors of a listed substance are subject to the reporting requirements of subpart A for that substance.

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| CAS No. | Substance   | Special exemp-<br>tions | Effective<br>date | Sunset<br>date |
|---------|---|-------------------------|-------------------|----------------|
| 62-74-8 | Acetic acid, fluoro-, sodium salt .....   | .....                   | 03/07/86          | 03/07/96       |
| 67-63-0 | 2-Propanol .....  | .....                   | 12/15/86          | 12/15/96       |
| 67-66-3 | Methane, trichloro- .....   | .....                   | 06/01/87          | 06/01/97       |
| 67-72-1 | Ethane, hexachloro- .....   | .....                   | 04/29/83          | 01/13/86       |
| 68-12-2 | Dimethyl formamide-Formamide, N,N-dimethyl- .....                                     | .....                   | 4/13/89           | 12/19/95       |
| 71-55-6 | 1,1,1-Trichloroethane—Ethane, 1,1,1-trichloro- .....                                  | .....                   | 10/04/82          | 10/04/92       |
| 74-83-9 | Methane, bromo- .....   | .....                   | 06/01/87          | 06/01/97       |
| 74-87-3 | Chloromethane—Methane, chloro- .....  | .....                   | 10/04/82          | 10/04/92       |
| 74-95-3 | Methane, dibromo- .....   | .....                   | 6/1/87            | 12/19/95       |
| 74-97-5 | Methane, bromochloro- .....   | .....                   | 6/1/87            | 12/19/95       |
| 75-00-3 | Ethane, chloro- .....   | .....                   | 06/01/87          | 06/01/97       |
| 75-02-5 | Vinyl fluoride—Ethene, fluoro- .....  | .....                   | 10/04/82          | 10/04/92       |
| 75-04-7 | Ethanamine .....  | .....                   | 6/1/87            | 12/19/95       |
| 75-05-8 | Acetonitrile .....  | .....                   | 10/04/82          | 10/04/92       |
| 75-09-2 | Methylene chloride—Methane, dichloro- .....   | .....                   | 10/04/82          | 10/04/92       |
| 75-12-7 | Formamide .....   | .....                   | 04/29/83          | 04/29/93       |
| 75-21-8 | Oxirane .....   | .....                   | 10/04/82          | 10/04/92       |
| 75-25-2 | Methane, tribromo- .....  | .....                   | 06/01/87          | 06/01/97       |
| 75-27-4 | Methane, bromodichloro- .....   | .....                   | 6/1/87            | 12/19/95       |
| 75-29-6 | Propane, 2-chloro- .....  | .....                   | 6/1/87            | 12/19/95       |
| 75-34-3 | Ethane, 1,1-dichloro- .....   | .....                   | 06/01/87          | 06/01/97       |
| 75-37-6 | 1,1-Difluoroethane—Ethane, 1,1-difluoro- .....  | .....                   | 4/13/89           | 12/19/95       |
| 75-38-7 | Vinylidene fluoride—Ethene, 1,1-difluoro- .....                                       | .....                   | 10/04/82          | 10/04/92       |
| 75-43-4 | Dichloromonofluoromethane—Methane, dichlorofluoro- .....                              | .....                   | 4/13/89           | 12/19/95       |
| 75-45-6 | Chlorodifluoromethane—Methane, chlorodifluoro- .....                                  | .....                   | 4/13/89           | 6/30/98        |
| 75-52-5 | Nitromethane—Methane, nitro- .....  | .....                   | 4/13/89           | 12/19/95       |
| 75-56-9 | Oxirane, methyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 75-68-3 | 1-Chloro-1,1-difluoroethane—Ethane, 1-chloro-1,1-difluoro .....                       | .....                   | 4/13/89           | 12/19/95       |
| 75-86-5 | Propanenitrile, 2-hydroxy-2-methyl- .....   | .....                   | 3/7/86            | 12/19/95       |
| 75-88-7 | Ethane, 2-chloro- 1,1,1-trifluoro .....   | .....                   | 10/15/90          | 11/09/93       |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane—Ethane, 1,1,2-trichloro-1,2,2-trifluoro-1 ..... | .....                   | 4/13/89           | 12/19/95       |
| 77-47-4 | Hexachlorocyclopentadiene—1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- .....          | .....                   | 10/04/82          | 10/04/92       |
| 77-58-7 | Dibutyltin dilaurate—Stannane, dibutylbis[(1-oxododecyl)oxy]- .....                   | .....                   | 01/03/83          | 01/03/93       |
| 78-59-1 | Isophorone—2-Cyclohexen-1-one, 3,5,5-trimethyl- .....                                 | .....                   | 10/04/82          | 10/04/92       |
| 78-83-1 | 1-Propanol, 2-methyl- .....   | .....                   | 03/07/86          | 03/07/96       |
| 78-87-5 | 1,2-Dichloropropane—Propane, 1,2-dichloro- .....                                      | .....                   | 10/04/82          | 10/04/92       |
| 78-88-6 | 1-Propene, 2,3-dichloro- .....  | .....                   | 6/1/87            | 12/19/95       |
| 78-93-3 | Methyl ethyl ketone—2-Butanone .....  | .....                   | 10/04/82          | 10/04/92       |
| 78-97-7 | Propanenitrile, 2-hydroxy- .....  | .....                   | 6/1/87            | 12/19/95       |
| 78-99-9 | Propane, 1,1-dichloro- .....  | .....                   | 3/7/86            | 12/19/95       |
| 79-00-5 | Ethane, 1,1,2-trichloro- .....  | .....                   | 06/01/87          | 06/01/97       |
| 79-06-1 | Acrylamide—2-Propenamide .....  | .....                   | 10/04/82          | 10/04/92       |
| 79-24-3 | Nitroethane—Ethane, nitro- .....  | .....                   | 4/13/89           | 12/19/95       |
| 79-94-7 | Tetrabromobisphenol A—Phenol, 4,4'-(methylene)bis[2,6-dibromo- .....                  | .....                   | 06/20/85          | 06/20/95       |
| 80-05-7 | Bisphenol A—Phenol, 4,4'-(1-methylethylidene)bis- .....                               | .....                   | 06/28/84          | 06/28/94       |
| 80-15-9 | Hydroperoxide, 1-methyl-1-phenylethyl .....   | .....                   | 3/7/86            | 12/19/95       |
| 80-62-6 | Methyl methacrylate—2-Propenoic acid, 2-methyl-, methyl ester .....                   | .....                   | 4/13/89           | 6/30/98        |
| 84-65-1 | Anthraquinone—9,10-Anthracenedione .....  | .....                   | 12/28/84          | 11/09/93       |
| 85-22-3 | Pentabromoethylbenzene—Benzene, pentabromoethyl- .....                                | .....                   | 12/28/84          | 12/28/94       |
| 85-68-7 | Benzyl butyl phthalate—1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester. .....  | .....                   | 04/29/83          | 04/29/93       |
| 86-74-8 | 9H-Carbazole .....  | .....                   | 03/07/86          | 03/07/96       |
| 87-68-3 | Hexachloro-1,3-butadiene—1,3-Butadiene, 1,1,2,3,4,4-hexachloro- .....                 | .....                   | 10/04/82          | 10/04/92       |
| 88-04-0 | p-Chloro-m-xylene—Phenol, 4-chloro-3,5-dimethyl- .....                                | .....                   | 4/13/89           | 12/19/95       |
| 90-30-2 | N-Phenyl-1-naphthylamine .....  | .....                   | 9/30/91           | 12/19/95       |
| 90-42-6 | [1,1'-Bicyclohexyl]-2-one .....   | .....                   | 06/01/87          | 11/09/93       |
| 91-08-7 | Benzene, 1,3-diisocyanato-2-methyl- .....   | .....                   | 6/1/87            | 12/19/95       |
| 91-20-3 | Naphthalene .....   | .....                   | 06/01/87          | 06/01/97       |
| 91-58-7 | Naphthalene, 2-chloro- .....  | .....                   | 10/04/82          | 10/04/92       |
| 92-52-4 | 1,1'-Biphenyl .....   | .....                   | 04/29/83          | 04/29/93       |
| 92-69-3 | [1,1'-Biphenyl]-4-ol .....  | .....                   | 6/1/87            | 12/19/95       |
| 92-84-2 | 10H-Phenothiazine .....   | .....                   | 06/01/87          | 06/01/97       |
| 92-87-5 | [1,1'-Biphenyl]-4,4'-diamine .....  | .....                   | 06/01/87          | 06/01/97       |
| 95-14-7 | 1,2,3-Benzotriazole-1H-Benzotriazole .....  | .....                   | 4/13/89           | 12/19/95       |
| 95-47-6 | o-Xylene—Benzene, 1,2-dimethyl- .....   | .....                   | 10/04/82          | 10/04/92       |
| 95-48-7 | o-Cresol—Phenol, 2-methyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 95-49-8 | 2-Chlorotoluene—Benzene, 1-chloro-2-methyl- .....                                     | .....                   | 04/29/83          | 04/29/93       |
| 95-53-4 | Benzenamine, 2-methyl- .....  | .....                   | 3/7/86            | 12/19/95       |
| 95-63-6 | 1,2,4-Trimethylbenzene—Benzene, 1,2,4-trimethyl- .....                                | .....                   | 04/29/83          | 04/29/93       |

| CAS No.  | Substance  | Special exemp-<br>tions | Effective<br>date | Sunset<br>date |
|----------|--|-------------------------|-------------------|----------------|
| 96-18-4  | Propane, 1,2,3-trichloro- .....  | .....                   | 06/01/87          | 06/01/97       |
| 96-29-7  | 2-Butanone, oxime .....  | .....                   | 12/15/86          | 12/19/95       |
| 96-37-7  | Methylcyclopentane—Cyclopentane, methyl- .....   | .....                   | 06/20/85          | 11/09/93       |
| 97-18-7  | Phenol, 2,2'-thiobis[4,6-dichloro- .....   | .....                   | 6/1/87            | 12/19/95       |
| 97-23-4  | Phenol, 2,2'-methylenebis[4-chloro- .....  | .....                   | 6/1/87            | 12/19/95       |
| 97-88-1  | Butyl methacrylate-2-Propenoic acid, 2-methyl-,butyl ester .....                               | .....                   | 4/13/89           | 12/19/95       |
| 98-01-1  | 2-Furancarboxaldehyde .....  | .....                   | 06/01/87          | 06/01/97       |
| 98-06-6  | Benzene, (1,1-dimethylethyl)- .....  | .....                   | 6/1/87            | 12/19/95       |
| 98-09-9  | Benzenesulfonyl chloride .....   | .....                   | 3/7/86            | 12/19/95       |
| 98-51-1  | <i>p</i> -tert-Butyltoluene—Benzene, 1-(1,1-dimethylethyl)-4-methyl- ..                        | .....                   | 06/25/86          | 06/25/96       |
| 98-56-6  | 4-Chlorobenzotrifluoride—Benzene, 1-chloro-4-(trifluoromethyl)- ..                             | .....                   | 04/29/83          | 04/29/93       |
| 98-73-7  | <i>p</i> -tert-Butylbenzoic acid—Benzoic acid, 4-(1,1-dimethylethyl)- .....                    | .....                   | 6/25/86           | 12/19/95       |
| 98-82-8  | Cumene—Benzene, (1-methylethyl)- .....   | .....                   | 12/28/84          | 12/28/94       |
| 98-83-9  | Benzene, (1-methylethenyl)- .....  | .....                   | 06/01/87          | 11/09/93       |
| 98-95-3  | Nitrobenzene—Benzene, nitro- .....   | .....                   | 10/04/82          | 10/04/92       |
| 100-02-7 | <i>p</i> -Nitrophenol—Phenol, 4-nitro- .....   | .....                   | 4/13/89           | 6/30/98        |
| 100-40-3 | 4-Vinylcyclohexene .....   | .....                   | 1/11/90           | 11/09/93       |
| 100-41-4 | Benzene, ethyl- .....  | .....                   | 06/19/87          | 06/19/97       |
| 100-48-1 | 4-Pyridinecarbonitrile .....   | .....                   | 06/01/87          | 06/01/87       |
| 100-54-9 | 3-Pyridinecarbonitrile .....   | .....                   | 06/01/87          | 12/29/88       |
| 100-70-9 | 2-Pyridinecarbonitrile .....   | .....                   | 06/01/87          | 11/09/93       |
| 101-68-8 | Benzene, 1,1'-methylenebis[4-isocyanato- .....   | .....                   | 06/01/87          | 06/01/97       |
| 101-77-9 | Benzenamine, 4,4'-methylenebis- .....  | .....                   | 10/04/82          | 10/04/92       |
| 101-84-8 | Diphenyl oxide—Benzene, 1,1'-oxybis- .....   | .....                   | 4/13/89           | 6/30/98        |
| 102-71-6 | Triethanolamine—Ethanol, 2,2',2''-nitrioltris- .....   | .....                   | 4/13/89           | 12/19/95       |
| 104-49-4 | Benzene, 1,4-diisocyanato- .....   | .....                   | 06/01/87          | 11/09/93       |
| 104-51-8 | Benzene, butyl- .....  | .....                   | 6/1/87            | 12/19/95       |
| 104-76-7 | 1-Hexanol, 2-ethyl- .....  | .....                   | 6/1/87            | 12/19/95       |
| 105-60-2 | 2 <i>H</i> -Azepin-2-one, hexahydro- .....   | .....                   | 06/01/87          | 06/01/97       |
| 106-42-3 | <i>p</i> -Xylene—Benzene, 1,4-dimethyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 106-43-4 | Benzene, 1-chloro-4-methyl- .....  | .....                   | 6/1/87            | 12/19/95       |
| 106-44-5 | <i>p</i> -Cresol—Phenol, 4-methyl- .....   | .....                   | 10/04/82          | 10/04/92       |
| 106-49-0 | Benzenamine, 4-methyl- .....   | .....                   | 03/07/86          | 03/07/96       |
| 106-50-3 | <i>p</i> -Phenylenediamine—1,4-Benzenediamine .....  | .....                   | 10/04/82          | 10/04/92       |
| 106-51-4 | Quinone—2,5-Cyclohexadiene-1,4-dione .....   | .....                   | 10/04/82          | 10/04/92       |
| 106-88-7 | Oxirane, ethyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 106-89-8 | Oxirane, (chloromethyl)- .....   | .....                   | 10/04/82          | 10/04/92       |
| 107-06-2 | Ethane, 1,2-dichloro- .....  | .....                   | 06/01/87          | 06/01/97       |
| 107-10-8 | 1-Propanamine .....  | .....                   | 3/7/86            | 12/19/95       |
| 107-19-7 | 2-Propyn-1-ol .....  | .....                   | 3/7/86            | 12/19/95       |
| 107-98-2 | 1-Methoxy-2-propanol—2-Propanol, 1-methoxy- .....  | .....                   | 4/13/89           | 6/30/98        |
| 108-05-4 | Vinyl acetate—Acetic acid ethenyl ester .....  | .....                   | 02/10/86          | 02/10/96       |
| 108-10-1 | Methyl isobutyl ketone—2-Pentanone, 4-methyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 108-31-6 | Maleic anhydride—2,5-Furandione .....  | .....                   | 09/10/84          | 09/10/94       |
| 108-38-3 | <i>m</i> -Xylene—Benzene, 1,3-dimethyl- .....  | .....                   | 10/04/82          | 10/04/92       |
| 108-39-4 | <i>m</i> -Cresol—Phenol, 3-methyl- .....   | .....                   | 10/04/82          | 10/04/92       |
| 108-60-1 | Propane, 2,2'-oxybis[1-chloro- .....   | .....                   | 6/1/87            | 12/19/95       |
| 108-67-8 | 1,3,5-Trimethylbenzene—Benzene, 1,3,5-trimethyl- .....   | .....                   | 02/13/84          | 02/13/94       |
| 108-86-1 | Benzene, bromo- .....  | .....                   | 6/1/87            | 12/19/95       |
| 108-88-3 | Toluene—Benzene, methyl- .....   | .....                   | 10/04/82          | 10/04/92       |
| 108-89-4 | 4-Methylpyridine—Pyridine, 4-methyl- .....   | .....                   | 09/10/84          | 09/10/94       |
| 108-94-1 | Cyclohexanone .....  | .....                   | 10/04/82          | 10/04/92       |
| 108-95-2 | Phenol .....   | .....                   | 06/01/87          | 06/01/97       |
| 108-95-5 | Thiophenol .....   | .....                   | 1/26/94           | 12/19/95       |
| 108-98-5 | Benzenethiol .....   | .....                   | 03/07/86          | 03/07/96       |
| 108-99-6 | 3-Methylpyridine—Pyridine, 3-methyl- .....   | .....                   | 09/10/84          | 09/10/94       |
| 109-06-8 | 2-Methylpyridine—Pyridine, 2-methyl- .....   | .....                   | 09/10/84          | 09/10/94       |
| 109-77-3 | Propanedinitrile .....   | .....                   | 3/7/86            | 12/19/95       |
| 109-87-5 | Methane, Dimethoxy- .....  | .....                   | 6/1/87            | 12/19/95       |
| 109-89-7 | Ethanamine, <i>N</i> -ethyl- .....   | .....                   | 06/01/87          | 06/01/97       |
| 110-75-8 | Ethene, (2-chloroethoxy)- .....  | .....                   | 3/7/86            | 12/19/95       |
| 110-82-7 | Cyclohexane .....  | .....                   | 12/19/85          | 12/19/95       |
| 110-86-1 | Pyridine .....   | .....                   | 10/04/82          | 10/04/92       |
| 111-21-7 | Ethylene bisoxyethylene diacetate—Ethanol, 2,2'-[1,2-ethanediy]bis(oxy)]bis-, diacetate. ..... | .....                   | 01/13/84          | 12/29/88       |
| 111-40-0 | Diethylenetriamine—1,2-Ethanediamine, <i>N</i> -(2-aminoethyl)- .....                          | .....                   | 04/29/83          | 04/29/93       |
| 111-42-2 | Diethanolamine—Ethanol, 2,2'-iminobis- .....   | .....                   | 4/13/89           | 6/30/98        |
| 111-69-3 | Hexanedinitrile .....  | .....                   | 6/1/87            | 12/19/95       |
| 111-76-2 | 2-Butoxyethanol—Ethanol, 2-butoxy- .....   | .....                   | 4/13/89           | 6/30/98        |
| 111-77-3 | Diethylene glycol monomethyl ether—Ethanol, 2-(2-methoxyethoxy)- ..                            | .....                   | 4/13/89           | 12/19/95       |
| 111-90-0 | Diethylene glycol monoethyl ether—Ethanol, 2-(2-ethoxyethoxy)- ..                              | .....                   | 4/13/89           | 12/19/95       |
| 111-91-1 | Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro- .....  | .....                   | 3/7/86            | 12/19/95       |

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| 111-92-2 | 1-Butanamine, N-butyl-  |                         | 6/1/87            | 12/19/95       |
| 112-35-6 | Triethyleneglycol monomethyl ether—Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]-                                      |                         | 06/20/85          | 06/20/95       |
| 112-50-5 | Triethyleneglycol monoethyl ether—Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-  |                         | 06/20/85          | 06/20/95       |
| 112-90-3 | Oleylamine—9-Octadecen-1-amine, (Z)-  |                         | 01/13/84          | 01/13/94       |
| 115-28-6 | Chlorendic acid—Bicyclo[2.2.1] hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-                        |                         | 04/29/83          | 01/13/86       |
| 115-96-8 | Ethanol, 2-chloro-, phosphate (3:1)   |                         | 12/16/88          | 11/09/93       |
| 118-79-6 | 2,4,6-Tribromophenol  |                         | 1/11/90           | 6/30/98        |
| 120-20-7 | Anthracene  |                         | 06/01/87          | 06/01/97       |
| 120-32-1 | 2-Benzyl-4-chlorophenol-Phenol, 4-chloro-2-chlorophenol(phenyl methyl)-   |                         | 4/13/89           | 12/19/95       |
| 121-44-8 | Ethanamine, N,N-diethyl-  |                         | 01/13/84          | 01/13/94       |
| 121-47-1 | Benzenesulfonic acid, 3-amino-  |                         | 06/01/87          | 12/29/88       |
| 122-09-8 | Benzeneethanamine, alpha,alpha-dimethyl-  |                         | 3/7/86            | 12/19/95       |
| 122-66-7 | Hydrazine, 1,2-diphenyl-  |                         | 06/01/87          | 06/01/97       |
| 122-99-6 | 2-Phenoxyethanol—Ethanol, 2-phenoxy-  |                         | 07/01/83          | 07/01/93       |
| 123-31-9 | Hydroquinone—1,4-Benzenediol  |                         | 10/04/84          | 10/04/94       |
| 123-61-5 | Benzene, 1,3-diisocyanato-  |                         | 06/01/87          | 11/09/93       |
| 123-72-8 | Butanal   |                         | 12/16/88          | 12/19/95       |
| 124-16-3 | 1-Butoxyethoxy-2-propanol-2-Propanol, 1-(2-butoxyethoxy)-   |                         | 4/13/89           | 12/19/95       |
| 124-17-4 | 2-(2-Butoxyethoxy)ethyl acetate—Ethanol, 2-(2-butoxyethoxy)-, acetate.  |                         | 01/13/82          | 01/13/92       |
| 124-48-1 | Methane, dibromochloro-   |                         | 06/01/87          | 06/01/97       |
| 126-73-8 | Phosphoric acid, tributyl ester   |                         | 06/18/86          | 06/18/96       |
| 126-99-8 | Chloroprene—1,3-Butadiene, 2-chloro-  |                         | 12/28/84          | 12/28/94       |
| 127-18-4 | Ethene, tetrachloro-  |                         | 06/01/87          | 06/01/97       |
| 128-39-2 | Phenol, 2,6-bis(1,1-dimethylethyl)-   |                         | 12/19/85          | 11/09/93       |
| 128-86-9 | 2,6-Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo-                               |                         | 12/21/87          | 11/09/93       |
| 129-00-0 | Pyrene  |                         | 06/01/87          | 06/01/97       |
| 131-17-9 | Diallyl phthalate-1,2-Benzenedicarboxylic acid, di-2-propenyl ester.  |                         | 4/13/89           | 12/19/95       |
| 135-98-8 | Benzene, (1-methylpropyl)-  |                         | 6/1/87            | 12/19/95       |
| 136-35-6 | 1-Triazine, 1,3-diphenyl-   | § 716.21(a)(5)          | 6/3/04            | 8/2/04         |
| 137-20-2 | Soldium N-methyl-N-oleoyltaurine—Ethanesulfonic acid, 2-[methyl (1-oxo-9-octadecenyl)amino]-, sodium salt, (Z)- |                         | 12/28/84          | 12/28/94       |
| 137-26-8 | Thioperoxydicarbonic diamide, tetramethyl-  |                         | 6/1/87            | 12/19/95       |
| 139-25-3 | Benzene, 1,1'-methylenebis[4-isocyanato-3-methyl-   |                         | 06/01/87          | 11/09/93       |
| 140-08-9 | Tris(2-chloroethyl)phosphite—Ethanol, 2-chloro-, phosphite (3:1)  |                         | 04/29/83          | 01/13/86       |
| 140-66-9 | 4-(1,1,3,3-Tetramethylbutyl) phenol—Phenol, 4-(1,1,3,3-tetramethylbutyl)-                                       |                         | 01/30/83          | 12/29/88       |
| 140-88-5 | Ethyl acrylate—2-Propenoic acid, ethyl ester  |                         | 4/13/89           | 6/30/98        |
| 141-79-7 | Mesityl oxide—3-Penten-2-one, 4-methyl-   |                         | 10/04/82          | 10/04/92       |
| 142-28-9 | Propane, 1,3-dichloro-  |                         | 3/7/86            | 12/19/95       |
| 142-84-7 | 1-Propanamine, N-propyl-  |                         | 03/07/86          | 12/5/90        |
| 143-22-6 | Triethyleneglycol monobutyl ether—Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-  |                         | 06/20/85          | 06/20/95       |
| 143-33-9 | Sodium cyanide  |                         | 10/29/90          | 12/19/95       |
| 149-30-4 | Mercaptobenzothiazole—2(3H)-Benzothiazolethione   |                         | 12/28/84          | 12/28/94       |
| 149-57-5 | 2-Ethylhexanoic acid—Hexanoic acid, 2-ethyl-  |                         | 06/28/84          | 06/28/94       |
| 306-83-2 | Ethane, 2,2-dichloro-1,1,1-trifluoro  |                         | 10/15/90          | 11/09/93       |
| 328-84-7 | 3,4-Dichlorobenzotrifluoride—Benzene, 1,2-dichloro-4-(trifluoromethyl)-   |                         | 05/08/85          | 11/09/93       |
| 354-33-6 | Ethane, pentafluoro   |                         | 10/15/90          | 11/09/93       |
| 357-57-3 | Strychnidin-10-one, 2,3-dimethoxy-  |                         | 3/7/86            | 12/19/95       |
| 428-59-1 | Oxirane, trifluoro(trifluoromethyl)-  |                         | 10/04/82          | 10/04/92       |
| 496-46-8 | Imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro-  | § 716.21(a)(1)          | 6/3/04            | 8/2/04         |
| 472-41-3 | Phenol, 4-(3,4-dihydro-2,2,4-trimethyl-2H-1-benzopyran-4-yl)-   |                         | 06/01/87          | 12/29/88       |
| 506-96-7 | Acetyl bromide  |                         | 6/1/87            | 12/19/95       |
| 526-73-8 | 1,2,3-Trimethylbenzene—Benzene, 1,2,3-trimethyl-  |                         | 02/13/84          | 11/09/93       |
| 530-50-7 | Hydrazine, 1,1-diphenyl-  |                         | 6/1/87            | 12/19/95       |
| 534-07-6 | 2-Propanone, 1,3-dichloro-  |                         | 6/1/87            | 12/19/95       |
| 540-54-5 | Propane, 1-chloro-  |                         | 6/1/87            | 12/19/95       |
| 540-84-1 | Pentane, 2,2,4-trimethyl-   |                         | 6/1/87            | 12/19/95       |
| 542-75-6 | 1-Propene, 1,3-dichloro-  |                         | 06/01/87          | 06/01/97       |
| 556-67-2 | Octamethylcyclotetrasiloxane—Cyclotetrasiloxane, octamethyl-  |                         | 12/28/84          | 12/28/94       |
| 563-54-2 | 1-Propene, 1,2-dichloro-  |                         | 03/07/86          | 12/29/88       |
| 563-58-6 | 1-Propene, 1,1-dichloro-  |                         | 03/07/86          | 12/29/88       |
| 580-51-8 | [1,1'-Biphenyl]-3-ol  |                         | 06/01/87          | 11/09/93       |
| 584-84-9 | Benzene, 2,4-diisocyanato-1-methyl-   |                         | 06/01/87          | 06/01/97       |
| 591-08-2 | Acetamide, N-(aminothioxomethyl)-   |                         | 3/7/86            | 12/19/95       |

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| 594–20–7  | Propane, 2,2-dichloro- .....   | .....                       | 3/7/86            | 12/19/95       |
| 598–21–0  | Acetyl bromide, bromo- .....   | .....                       | 6/1/87            | 12/19/95       |
| 598–31–2  | 2-Propanone, 1-bromo- .....  | .....                       | 3/7/86            | 12/19/95       |
| 616–23–9  | 1-Propanol, 2,3-dichloro- .....  | .....                       | 3/7/86            | 12/19/95       |
| 620–14–4  | <i>m</i> -Ethyltoluene—Benzene, 1-ethyl-3-methyl- .....  | .....                       | 04/29/83          | 04/29/93       |
| 622–96–8  | <i>p</i> -Ethyltoluene—Benzene, 1-ethyl-4-methyl- .....  | .....                       | 04/29/83          | 04/29/93       |
| 630–20–6  | Ethane, 1,1,1,2-tetrachloro- .....   | .....                       | 6/1/87            | 12/19/95       |
| 632–79–1  | Tetrabromophthalic anhydride .....   | .....                       | 1/11/90           | 12/19/95       |
| 637–92–3  | Ethyl- <i>tert</i> -butyl ether  | § 716.20(b)(3) ap-<br>plies | 12/28/94          | 6/30/98        |
| 646–06–0  | 1,3-Dioxolane .....  | .....                       | 01/03/83          | 01/03/93       |
| 677–21–4  | Trifluoromethylethene—1-Propene, 3,3,3-trifluoro- .....  | .....                       | 04/29/83          | 01/13/86       |
| 685–91–6  | Acetamide, <i>N,N</i> -diethyl- .....  | .....                       | 06/01/87          | 11/09/93       |
| 692–42–2  | Arsine, diethyl- .....   | .....                       | 3/7/86            | 12/19/95       |
| 696–28–6  | Arsinous dichloride, phenyl- .....   | .....                       | 3/7/86            | 12/19/95       |
| 757–58–4  | Tetraphosphoric acid, hexaethyl ester .....  | .....                       | 3/7/86            | 12/19/95       |
| 811–97–2  | Ethane, 1,1,2-tetrafluoro- .....   | .....                       | 10/15/90          | 11/09/93       |
| 812–03–3  | Propane, 1,1,1,2-tetrachloro- .....  | .....                       | 6/1/87            | 12/19/95       |
| 822–06–0  | Hexane, 1,6-diisocyanato- .....  | .....                       | 6/1/87            | 12/19/95       |
| 828–00–2  | 1,3-Dioxan-4-ol, 2,6-dimethyl-, acetate .....  | .....                       | 6/1/87            | 12/19/95       |
| 930–22–3  | Oxirane, ethenyl- .....  | .....                       | 10/04/82          | 10/04/92       |
| 939–97–9  | <i>p-tert</i> -Butylbenzaldehyde—Benzaldehyde, 4-(1,1-dimethylethyl)- .....                          | .....                       | 06/25/86          | 11/09/93       |
| 994–05–8  | <i>Tert</i> -amyl methyl ether   | § 716.20(b)(3) ap-<br>plies | 12/28/94          | 06/30/98       |
| 1000–82–4 | Methylolurea—Urea, (hydroxymethyl)- .....  | .....                       | 07/01/83          | 07/01/93       |
| 1070–78–6 | Propane, 1,1,1,3-tetrachloro- .....  | .....                       | 6/1/87            | 12/19/95       |
| 1163–19–5 | Decabromodiphenyl ether .....  | .....                       | 1/11/90           | 06/30/98       |
| 1185–81–5 | Dibutyltin bis(lauryl mercaptide)—Stannane,<br>dibutylbis(dodecylthio).                              | .....                       | 01/03/83          | 01/03/93       |
| 1208–52–2 | Benzenamine, 2-[(4-aminophenyl)methyl]- .....  | .....                       | 06/01/87          | 11/09/93       |
| 1300–71–6 | Phenol, dimethyl- .....  | .....                       | 6/1/87            | 12/19/95       |
| 1309–64–4 | Antimony trioxide .....  | .....                       | 10/04/82          | 10/04/92       |
| 1321–38–6 | Benzene, diisocyanatomethyl-(unspecified isomer) .....   | .....                       | 06/01/87          | 11/09/93       |
| 1321–64–8 | Naphthalene, pentachloro- .....  | .....                       | 10/04/82          | 10/04/92       |
| 1321–65–9 | Naphthalene, trichloro- .....  | .....                       | 10/04/82          | 10/04/92       |
| 1331–47–1 | [1,1'-Biphenyl]-4,4'-diamino, dichloro- .....  | .....                       | 06/01/87          | 11/09/93       |
| 1333–41–1 | Methyl pyridine—Pyridine, methyl- .....  | .....                       | 09/10/84          | 12/29/88       |
| 1335–87–1 | Naphthalene, hexachloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 1335–88–2 | Naphthalene, tetrachloro- .....  | .....                       | 10/04/82          | 10/04/92       |
| 1345–04–6 | Antimony trisulfide .....  | .....                       | 10/04/82          | 10/04/92       |
| 1464–53–5 | 2,2'-Bioxirane .....   | .....                       | 10/04/82          | 10/04/92       |
| 1634–04–4 | Propane, 2-methoxy-2-methyl- .....   | .....                       | 12/15/86          | 12/15/96       |
| 1649–08–7 | Ethane, 1,2-dichloro-1,1-difluoro .....  | .....                       | 10/15/90          | 12/19/95       |
| 1717–00–6 | Ethane, 1,1-dichloro-1-fluoro- .....   | .....                       | 10/15/90          | 11/09/93       |
| 1825–30–5 | Naphthalene, 1,5-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 1825–31–6 | Naphthalene, 1,4-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 1888–71–7 | 1-Propene, 1,1,2,3,3,3-hexachloro- .....   | .....                       | 3/7/87            | 12/19/95       |
| 2050–69–3 | Naphthalene, 1,2-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2050–72–8 | Naphthalene, 1,6-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2050–73–9 | Naphthalene, 1,7-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2050–74–0 | Naphthalene, 1,8-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2050–75–1 | Naphthalene, 2,3-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2065–70–5 | Naphthalene, 2,6-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2198–75–6 | Naphthalene, 1,3-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2198–77–8 | Naphthalene, 2,7-dichloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2234–13–1 | Naphthalene, octachloro- .....   | .....                       | 10/04/82          | 10/04/92       |
| 2536–05–2 | Benzene, 1,1'-methylenebis[2-isocyanato- .....   | .....                       | 06/01/87          | 11/09/93       |
| 2556–36–7 | Cyclohexane, 1,4-diisocyanato .....  | .....                       | 06/01/87          | 11/09/93       |
| 2763–96–4 | 3(2H)-Isoxazolone, 5-(aminomethyl)- .....  | .....                       | 3/7/86            | 2/19/95        |
| 2778–42–9 | Benzene, 1,3-bis(1-isocyanato-1-methylethyl)- .....  | .....                       | 06/01/87          | 11/09/93       |
| 2861–02–1 | 2,6-Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-<br>dihydroxy-9,10-dioxo-, disodium salt | .....                       | 12/21/87          | 12/19/95       |
| 2873–89–0 | Ethane, 2-chloro-1,1,1,2-tetrafluoro- .....  | .....                       | 10/15/90          | 11/09/93       |
| 3083–25–8 | Oxirane, (2,2,2-trichloroethyl)- .....   | .....                       | 10/04/82          | 10/04/92       |
| 3173–72–6 | Naphthalene, 1,5-diisocyanato- .....   | .....                       | 6/1/87            | 12/19/95       |
| 3194–55–6 | Hexabromocyclododecane .....   | .....                       | 1/11/90           | 12/19/95       |
| 3278–89–5 | Benzene, 1,3,5-tribromo-2-(2-propenyloxy)- .....   | § 716.21(a)(4) .....        | 6/3/04            | 8/2/04         |
| 3288–58–2 | Phosphorodithioic acid, O,O-diethyl-S-methyl ester .....   | .....                       | 3/7/86            | 12/19/95       |
| 3296–90–0 | 1,3-Propanediol, 2,2-bis(bromomethyl)- .....   | .....                       | 6/1/87            | 12/19/95       |
| 3319–31–1 | Tris(2-ethylhexyl) trimellitate—1,2,4-Benzenetricarboxylic acid,<br>tris(2-ethylhexyl)ester.         | .....                       | 01/03/83          | 01/03/93       |
| 3322–93–8 | 1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane—Cyclohexane,<br>1,2-dibromo-4-(1,2-dibromoethyl)-.      | .....                       | 06/28/84          | 12/29/88       |

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| 3389-71-7  | 1,2,3,4,7,7-Hexachloronorborene—Bicyclo[2.2.1]hepta-2,5-diene, 1,2,3,4,7,7-hexachloro-                                       |                         | 01/13/84       | 01/13/94    |
| 3618-72-2  | Acetamide, N-[5-[bis[2-(acetyloxy)ethyl]amino]-2-[(2-bromo-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-                          |                         | 06/19/87       | 11/09/93    |
| 3618-73-3  | Acetamide, N-[5-[bis[2-(acetyloxy)ethyl]amino]-2-[(2-chloro-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-                         |                         | 06/19/87       | 11/09/93    |
| 3956-55-6  | Acetamide, N-[5-[bis[2-(acetyloxy)ethyl]-amino]-2-[(2-bromo-4,6-dinitrophenyl)azo]-4-ethoxyphenyl]-                          |                         | 12/15/86       | 11/09/93    |
| 4098-71-9  | Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-  |                         | 06/01/87       | 06/01/97    |
| 4170-30-3  | 2-Butenal  |                         | 3/7/86         | 12/19/95    |
| 5124-30-1  | Cyclohexane, 1,1'-methylenebis[4-isocyanato-   |                         | 06/01/87       | 06/01/97    |
| 5131-66-8  | 1-Butoxy-2-propanol-2-Propanol, 1-butoxy-  |                         | 4/13/89        | 12/19/95    |
| 5344-82-1  | Thiourea, (2-chlorophenyl)-  |                         | 3/7/86         | 12/19/95    |
| 5873-54-1  | Benzene, 1-isocyanato-2-[4-isocyanatophenyl)methyl]-   |                         | 06/01/87       | 11/09/93    |
| 6145-73-9  | 1-Propanol, 2-chloro-, phosphate (3:1)   |                         | 12/16/88       | 11/09/93    |
| 6247-34-3  | 2-Anthracenesulfonic acid, 4-[[4-(acetylamino)phenyl]amino]-1-amino-9,10-dihydro-9,10-dioxo-                                 |                         | 12/21/87       | 11/09/93    |
| 6422-86-2  | Bis(2-ethylhexyl) terephthalate—1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester.                                       |                         | 01/03/83       | 01/03/93    |
| 6424-85-7  | 2-Anthracenesulfonic acid, 4-[[4-(acetylamino)phenyl]amino]-1-amino-9,10-dihydro-9,10-dioxo-, monosodium salt.               |                         | 12/21/87       | 12/19/95    |
| 7320-37-8  | Oxirane, tetradecyl-   |                         | 10/04/82       | 10/04/92    |
| 7440-28-0  | Thallium   |                         | 06/01/87       | 06/01/97    |
| 7440-36-0  | Antimony   |                         | 10/04/82       | 10/04/92    |
| 7440-48-4  | Cobalt   |                         | 06/01/87       | 06/01/97    |
| 7723-14-0  | White phosphorus   |                         | 04/12/93       | 06/30/98    |
| 9011-05-6  | Urea, polymer with formaldehyde  | § 716.20(b)(1) applies. | 06/03/85       | 06/03/95    |
| 9016-87-9  | Isocyanic acid, polymethylenepolyphenylene ester   |                         | 6/1/87         | 12/19/95    |
| 10347-54-3 | Cyclohexane, 1,4-bis(isocyanatomethyl)-  |                         | 06/01/87       | 06/01/87    |
| 10436-39-2 | 1-Propene, 1,1,2,3-tetrachloro-  |                         | 6/1/87         | 12/19/95    |
| 12001-85-3 | Naphthenic acids, zinc salts   |                         | 6/1/87         | 12/19/95    |
| 12185-10-3 | White phosphorus   |                         | 01/26/94       | 06/30/98    |
| 12217-79-7 | 9,10-Anthracenedione, 1,5-diamino-chloro-4,8-dihydroxy-  |                         | 12/21/87       | 11/09/93    |
| 13414-54-5 | Methallyl 2-nitrophenyl ether—Benzene, 1-[(2-methyl-2-propenyl)oxy]-2-nitro-   |                         | 02/13/84       | 11/09/93    |
| 13414-55-6 | 7-Nitro-2,2-dimethyl-2,3-dihydro-benzofuran—Benzofuran, 2,3-dihydro-2,2-dimethyl-7-nitro-                                    |                         | 02/13/84       | 02/13/94    |
| 13674-84-5 | 2-Propanol, 1-chloro-, phosphate (3:1)   |                         | 12/16/88       | 11/09/93    |
| 13674-87-8 | 2-Propanol, 1,3-dichloro-, phosphate (3:1)   |                         | 12/16/88       | 12/19/95    |
| 15646-96-5 | Hexane, 1,6-diisocyanato-2,4,4-trimethyl-  |                         | 06/01/87       | 11/09/93    |
| 16691-43-3 | 3H-1,2,4-Triazole-3-thione, 5-amino-1,2-dihydro-   | § 716.21(a)(1)          | 6/3/04         | 8/2/04      |
| 16938-22-0 | Hexane, 1,6-diisocyanato-2,2,4-trimethyl-  |                         | 06/01/87       | 11/09/93    |
| 17418-58-5 | 9,10-Anthracenedione, 1-amino-4-hydroxy-2-phenoxy-   |                         | 12/21/87       | 12/19/95    |
| 18495-30-2 | Propane, 1,1,2,3-tetrachloro-  |                         | 06/01/87       | 12/29/88    |
| 18633-25-5 | Oxirane, tridecyl-   |                         | 10/04/82       | 10/04/92    |
| 19660-16-3 | 2-Propenoic acid, 2,3-dibromopropyl ester  |                         | 06/01/87       | 12/29/88    |
| 21429-43-6 | Acetamide, N-[5-[bis[2-(acetyloxy)ethyl]amino]-2-[(2-chloro-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-                         |                         | 06/19/87       | 11/09/93    |
| 25168-06-3 | Isopropyl phenol—Phenol, (1-methylethyl)-  |                         | 04/13/89       | 11/09/93    |
| 25168-21-2 | Dibutyltin bis (isooctyl maleate)—2-Butenoic acid, 4,4'-[(dibutylstannylene)bis(oxy)]bis-[4-oxo-, diisooctyl ester, (Z,Z)-   |                         | 01/03/83       | 01/03/93    |
| 25498-49-1 | Tripropylene glycol monomethyl ether-Propanol, [2-(2-methoxy methylethoxy)methylethoxy]-                                     |                         | 4/13/89        | 12/19/95    |
| 25550-14-5 | Benzene, ethylmethyl- (mixed isomers)  |                         | 04/29/83       | 04/29/93    |
| 25550-98-5 | Phosphorous acid, diisodecyl phenyl ester  |                         | 12/19/85       | 12/19/95    |
| 25551-13-7 | Trimethylbenzene—Benzene, trimethyl- (mixed isomers)   |                         | 02/13/84       | 02/13/94    |
| 25640-78-2 | Isopropyl biphenyl—1,1'-Biphenyl, (1-methylethyl)-   |                         | 06/28/84       | 11/09/93    |
| 25852-70-4 | Monobutyltin tris (isooctyl) mercapto-acetate—Acetic acid, 2,2',2''-[(butylstannylidene)tris(thio)]tris-, triisooctyl ester. |                         | 01/03/83       | 01/03/93    |
| 26447-40-5 | Benzene, 1,1'-methylenebis(isocyanato-   |                         | 06/01/87       | 06/01/97    |
| 26471-62-5 | Benzene, 1,3-diisocyanatomethyl-   |                         | 06/01/87       | 06/01/97    |
| 26530-20-1 | 3(2H)-Isothiazolone, 2-octyl-  |                         | 06/01/87       | 12/29/88    |
| 26952-23-8 | 1-Propene, dichloro-   |                         | 6/1/87         | 12/19/95    |
| 29091-20-1 | Benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-  | § 716.21(a)(2)          | 6/3/04         | 8/2/04      |
| 29385-43-1 | Tolyl triazole-1H-Benzotriazole, methyl-   |                         | 4/13/89        | 12/19/95    |
| 32052-51-0 | Isocyanic acid, trimethylcyclohexyl ester  |                         | 06/01/87       | 11/09/93    |
| 32534-81-9 | Pentabromodiphenyl ether   |                         | 1/11/90        | 06/30/98    |
| 32536-52-0 | Octabromodiphenyl ether  |                         | 1/11/90        | 06/30/98    |
| 32588-76-4 | Ethylene Bis-(tetrabromophthalimide)   |                         | 1/11/90        | 12/19/95    |
| 33125-86-9 | Phosphoric acid, 1,2-ethanediyl tetrakis (2-chloroethyl) ester   |                         | 12/16/88       | 11/09/93    |
| 34590-94-8 | Dipropylene glycol monomethyl ether—Propanol, (2-methoxymethylethoxy)-   |                         | 4/13/89        | 6/30/98     |



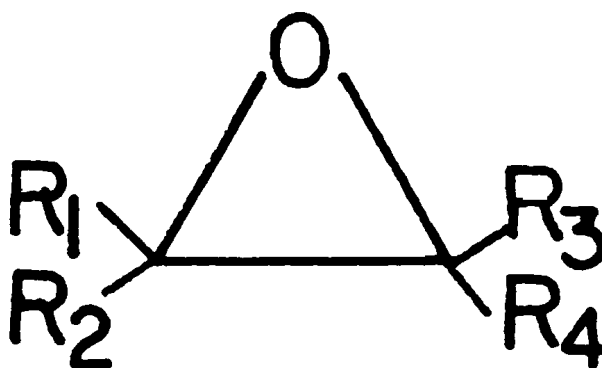
| CAS No.    | Substance  | Special exemptions      | Effective date | Sunset date |
|------------|--|-------------------------|----------------|-------------|
| 37853–59–1 | 1,2-Bis(tribromophenoxy) ethane  |                         | 1/11/90        | 06/30/98    |
| 38661–72–2 | Cyclohexane, 1,3-bis(isocyanatomethyl)-  |                         | 06/01/87       | 11/09/93    |
| 41291–34–3 | Ethylene(5,6-dibromonorbornane-2,3-dicarboximide)  |                         | 1/11/90        | 12/19/95    |
| 52907–07–0 | Ethylene bis(5,6-dibromonorbornane-2,3-dicarboximide)  |                         | 1/26/94        | 12/19/95    |
| 57137–10–7 | Tribrominated polystyrene  |                         | 1/11/90        | 12/19/95    |
| 61262–53–1 | Ethylene bis(pentabromophenoxide)  |                         | 1/11/90        | 12/19/95    |
| 61788–33–8 | Terphenyl, chlorinated   |                         | 10/04/82       | 12/29/88    |
| 61789–36–4 | Calcium naphthenate—Naphthenic acids, calcium salts  |                         | 07/01/83       | 07/01/93    |
| 61789–51–3 | Cobalt naphthenate—Naphthenic acids, cobalt salts  |                         | 07/01/83       | 07/01/93    |
| 61790–14–5 | Lead naphthenate—Naphthenic acids, lead salts  |                         | 07/01/83       | 07/01/93    |
| 64742–95–6 | Solvent naphtha (petroleum), light arom  |                         | 2/13/84        | 2/13/94     |
| 68081–84–5 | Oxirane, mono[(C <sub>10–16</sub> -alkyloxy) methyl] derivatives   |                         | 10/04/82       | 10/04/92    |
| 68122–86–1 | Imidazolium compounds, 4,5-dihydro-1-methyl-2-nortallow alkyl-1-(2-tallow amidoethyl), methyl sulfates.  |                         | 6/20/88        | 12/19/95    |
| 68153-35-5 | Ethanaminium, 2-amino-N-(2-aminoethyl-N-(2-hydroxyethyl)-N-methyl-, N,N'-ditallow acyl derivatives, methyl sulfates (salts).                               |                         | 06/20/88       | 11/09/93    |
| 68298–46–4 | 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran—7-Benzofuranamine,2,3-dihydro-2,2-dimethyl-   |                         | 02/13/84       | 12/29/88    |
| 68389–88–8 | Poly(oxy-1,2-ethanediyl), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, N,N'-dicoco acyl derivatives, methyl sulfates (salts).                   |                         | 06/20/88       | 11/09/93    |
| 68389–89–9 | Poly(oxy-1,2-ethanediyl), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, N,N'-bis(hydrogenated tallow acyl) derivatives, methyl sulfates (salts). |                         | 06/20/88       | 11/09/93    |
| 68410–69–5 | Poly(oxy-1,2-ethanediyl), alpha-[2-[bis(2-aminoethyl)methylammonio]ethyl]-w-hydroxy-, N,N'-ditallow acyl derivatives, methyl sulfates (salts).             |                         | 6/20/88        | 12/19/95    |
| 68413–04–7 | Poly[oxy(methyl-1,2-ethanediyl)], α-[2-[bis(2-aminoethyl)methylammonio] methylethyl]-ω-hydroxy-, N,N'-ditallow acyl derivatives, methyl sulfates (salts).  |                         | 06/20/88       | 11/09/93    |
| 68554–06–3 | Poly(oxy-1,2-ethanediyl), α-[3-[bis(2-aminoethyl)methylammonio]-2-hydroxy-propyl]-ω-hydroxy-, N-coco acyl derivatives, methyl sulfates (salts).            |                         | 06/20/88       | 11/09/93    |
| 68611–64–3 | Urea, reaction products with formaldehyde  | § 716.20(b)(1) applies. | 06/03/85       | 11/09/93    |
| 68928–76–7 | Stannane, dimethylbis[(1-oxoneodecyl)oxy]-   | § 716.21(a)(3)          | 6/3/04         | 8/2/04      |
| 69009–90–1 | Diisopropyl biphenyl—1,1'-Biphenyl, bis(1-methylethyl)-  |                         | 06/28/84       | 12/29/88    |
| 70914–09–9 | Poly(oxy-1,2-ethanediyl), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, N,N'-di[C <sub>14–18</sub> acyl] derivatives, methyl sulfates (salts).   |                         | 06/20/88       | 06/20/88    |
| 75790–84–0 | Benzene, 2-isocyanato-4-[(4-isocyanato-phenyl)methyl]-1-methyl-  |                         | 06/01/87       | 11/09/93    |
| 75790–87–3 | Benzene, 1-isocyanato-2-[(4-isocyanato-phenyl)thio]-   |                         | 06/01/87       | 11/09/93    |

(b) [Reserved]

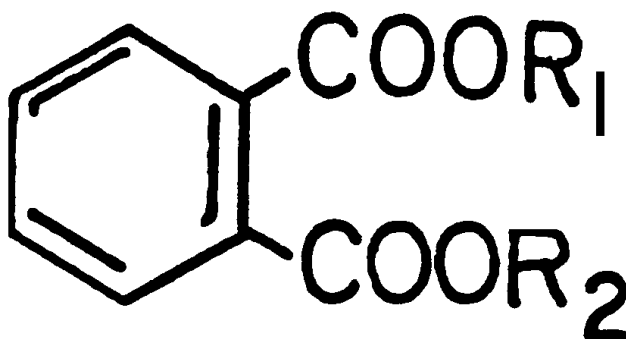
(c) *By category.* The following categories are listed in alphabetical order. Chemical substances listed within a category are provided only as examples of the category. All chemical substances within a category are subject to all the provisions of part 716 for the time period from the effective date of the category until the sunset date.

Manufacturers, importers, and processors of any chemical substance within a category are subject to the reporting requirements of subpart A for that category, except when the sunset date for the particular substance predates the sunset date for the category, or when the exemption of § 716.20(b) of this part applies.

| Category  | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|---|---------------------------------|--------------------|----------------|-------------|
| Alkyl epoxides—including all noncyclic aliphatic hydrocarbons with one or more epoxy functional groups. |                                 |                    | 10/4/82        | 12/29/88    |

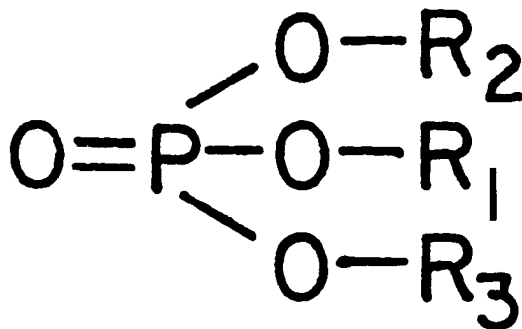


| Category   | CAS No. (examples for category) | Special exemptions | Effective date        | Sunset date |
|--|---------------------------------|--------------------|-----------------------|-------------|
| R <sub>1</sub> = R <sub>2</sub> = R <sub>3</sub> = R <sub>4</sub> = H or alkyl. Groups R <sub>1</sub> -R <sub>4</sub> may contain one or more epoxide functions. |                                 |                    |                       |             |
| Oxirane, decyl- .....  | 2855-19-8                       | .....              | 10/04/82              | 12/29/88    |
| Oxirane, 2, 2 - dimethyl - .....   | 558-30-5                        | .....              | 10/04/82              | 12/29/88    |
| Oxirane, 2, 3 - dimethyl - .....   | 3266-23-7                       | .....              | 10/04/82              | 12/29/88    |
| Oxirane, dodecyl .....   | 3234-28-4                       | .....              | 10/04/82              | 12/29/88    |
| Oxirane, heptadecyl - .....  | 67860-04-2                      | .....              | 10/04/82              | 12/29/88    |
| Oxirane, octyl- .....  | 2404-44-6                       | .....              | 10/04/82,<br>12/29/88 |             |
| Oxirane, pentadecyl - .....  | 22092-38-2                      | .....              | 10/04/82              | 12/29/88    |
| Alkyl phthalates — all alkyl esters of 1, 2-benzenedicarboxylic acid ( <i>ortho</i> -phthalic acid). .....   | .....                           | .....              | 10/04/82              | 10/04/92    |



| Category  | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|---|---------------------------------|--------------------|----------------|-------------|
| R <sub>1</sub> = R <sub>2</sub> = alkyl.                            |                                 |                    |                |             |
| 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester .....         | 117-81-7                        | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, bis(1-methylheptyl) ester .....       | 131-15-7                        | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester .....       | 84-69-5                         | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, 2-butoxy-2-oxyethyl butyl ester ..... | 85-70-1                         | .....              | 10/04/82       | 01/13/86    |
| 1,2-Benzenedicarboxylic acid, butyl cyclohexyl ester .....          | 84-64-0                         | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester .....        | 85-69-8                         | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, butyl octyl ester .....               | 84-78-6                         | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, decyl hexyl ester .....               | 25724-58-7                      | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, decyl octyl ester .....               | 119-07-3                        | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, dibutyl ester .....                   | 84-74-2                         | .....              | 10/04/82       | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, dicyclohexyl ester .....              | 84-61-7                         | .....              | 10/04/82       | 10/04/92    |

| Category  | CAS No. (ex-<br>amples for cat-<br>egory) | Special ex-<br>emptions | Effective<br>date | Sunset date |
|---|---|-------------------------|-------------------|-------------|
| 1,2-Benzenedicarboxylic acid, diethyl ester .....   | 84-66-2                                   | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, dihexyl ester .....   | 84-75-3                                   | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, diisodecyl ester .....  | 26761-40-0                                | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, diisononyl ester .....  | 28553-12-0                                | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, diisooctyl ester .....  | 27554-26-3                                | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, demethyl ester .....  | 131-11-3                                  | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, dinonyl ester .....   | 84-76-4                                   | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, dioctyl ester .....   | 117-84-0                                  | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, diundecyl ester .....   | 119-06-2                                  | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, isodecyl tridecyl ester .....   | 3648-20-2                                 | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, 2-ethylhexyl-8-methylnonyl<br>ester .....   | 89-13-4                                   | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, hexyl isodecyl ester .....  | 61702-81-6                                | .....                   | 10/04/82          | 10/04/92    |
| 1,2-Benzenedicarboxylic acid, isodecyl tridecyl ester .....   | 61886-60-0                                | .....                   | 10/04/82          | 10/04/92    |
| Alkyltin compounds. ....  | .....                                     | .....                   | 01/03/83          | 12/29/88    |
| Dibutyltin S,S'-bis(isooctyl mercaptoacetate)—Acetic acid,<br>2,2'-[[dibutylstannylene]bis(thio)]bis-, diisooctyl ester .....   | 25168-24-5                                | .....                   | 01/03/83          | 12/29/88    |
| Dibutyltin S,S'-bis(isooctyl mercaptoacetate)—Acetic acid,<br>2,2'-[[dimethylstannylene]bis(thio)]bis-, diisooctyl ester .....  | 26636-01-1                                | .....                   | 01/03/83          | 12/29/88    |
| Mono methyltin tris(isooctylmercaptoacetate) Acetic acid,<br>2,2',2''-[[methylstannylidyne]tris(thio)]tris-triisooctyl ester ..   | 54849-38-6                                | .....                   | 01/03/83          | 12/29/88    |
| Aniline and chloro-, bromo-, and/or nitroanilines. ....   | .....                                     | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine .....   | 62-53-3                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-bromo- .....   | 106-40-1                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-bromo-6-chloro-4-nitro- .....  | 99-29-6                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-bromo-, 4,6-dinitro- .....   | 1817-73-8                                 | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-chloro- .....  | 95-51-2                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 3-chloro- .....  | 108-42-9                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-chloro- .....  | 106-47-8                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-chloro-4,6-dinitro- .....  | 3531-19-9                                 | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-chloro-2,6-dinitro- .....  | 5388-62-5                                 | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 3-chloro-, hydrochloride .....   | 141-85-5                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-chloro-4-nitro- .....  | 121-87-9                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-chloro-5-nitro- .....  | 6283-25-6                                 | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-chloro-2-nitro- .....  | 89-63-4                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-chloro-3-nitro- .....  | 635-22-3                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,6-dibromo-4-nitro- .....   | 827-94-1                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,3-dichloro- .....  | 608-27-5                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,4-dichloro- .....  | 554-00-7                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,5-dichloro- .....  | 95-82-9                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 3,4-dichloro- .....  | 95-76-1                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 3,5-dichloro- .....  | 626-43-7                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,6-dichloro-4-nitro- .....  | 99-30-9                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,4-dinitro- .....   | 97-02-9                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2-nitro- .....   | 88-74-4                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 3-nitro- .....   | 99-09-2                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 4-nitro- .....   | 100-01-6                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,4,6-tribromo- .....  | 147-82-0                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzenamine, 2,4,6-trichloro- .....   | 634-93-5                                  | .....                   | 10/04/82          | 10/04/92    |
| Aryl phosphates—phosphate esters of phenol or of alkyl-sub-<br>stituted phenols. Triaryl and mixed alkyl and aryl esters are ex-<br>cluded but trialkyl esters are excluded ..... | .....                                     | .....                   | 10/04/82          | 10/04/92    |



Environmental Protection Agency

§ 716.120

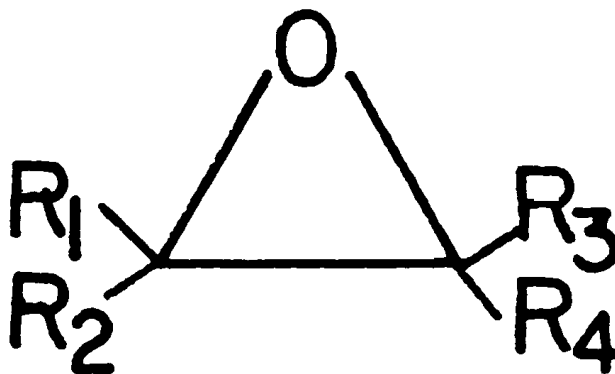
| Category   | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|--|---------------------------------|--------------------|----------------|-------------|
| R <sub>1</sub> = phenyl, either unsubstituted or substituted with one or more alkyl or aralkyl groups R <sub>2</sub> = R <sub>3</sub> alkyl; or phenyl, either unsubstituted or substituted with one or more alkyl or aralkyl groups |                                 |                    |                |             |
| Phenol, dimethyl-, phosphate (3:1) .....   | 25155-23-1 .....                | .....              | 10/04/82       | 10/04/92    |
| Phenol, 4-(1,1-dimethylethyl)-, phosphate (3:1) .....  | 78-33-1 .....                   | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, dibutyl phenyl ester .....  | 2528-36-1 .....                 | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, diisodecyl phenyl ester .....   | 51363-64-5 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, (1,1-dimethylethyl) phenyl diphenyl ester ....  | 56803-37-3 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, 2-ethylhexyl diphenyl ester .....   | 1241-94-7 .....                 | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, isodecyl diphenyl ester .....   | 29761-21-5 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, (1-methylethyl)phenyl diphenyl ester .....  | 28108-99-8 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, methylphenyl diphenyl ester .....   | 25444-49-5 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, (1-methyl-1-phenylethyl)phenyl diphenyl ester .....   | 34364-42-6 .....                | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, triphenyl ester .....   | 115-86-6 .....                  | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, tris(methylphenyl) ester .....  | 1330-78-5 .....                 | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, tris(2-methylphenyl) ester .....  | 78-30-8 .....                   | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, tris(3-methylphenyl) ester .....  | 563-04-2 .....                  | .....              | 10/04/82       | 10/04/92    |
| Phosphoric acid, tris(4-methylphenyl) ester .....  | 78-32-0 .....                   | .....              | 10/04/82       | 10/04/92    |
| Asbestos—asbestiform varieties of chrysotile (serpentine); crocidolite (riebeckite); amosite (cummingtonite—grunerite); anthophyllite; tremolite; and actinolite. ....   | .....                           | .....              | 10/04/82       | 10/04/92    |
| Asbestos .....   | 1332-21-4 .....                 | .....              | 10/04/82       | 10/04/92    |
| Asbestiform minerals .....   | 12001-29-5 .....                | .....              | 10/04/82       | 10/04/92    |
| Asbestiform minerals .....   | 17068-78-9 .....                | .....              | 10/04/82       | 10/04/92    |
| Asbestiform minerals .....   | 12172-73-5 .....                | .....              | 10/04/82       | 10/04/92    |
| Bisazobiphenyl dyes derived from benzidine and its congeners, ortho-toluidine (dimethylbenzidine) and dianisidine (dimethoxybenzidine). ....   | .....                           | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 2-[[2-amino-6-[[4'-(-carboxy-4-hydroxyphenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo]-5-hydroxy-7-sulfo-1-naphthalenyloxy]-5-nitro-, trisodium salt .....  | 6739-62-4 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[2-amino-8-hydroxy-6-sulfo-1-naphthalenyloxy]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....  | 2429-84-7 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[7-amino-1-hydroxy-3-sulfo-2-naphthalenyloxy]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....  | 2429-82-5 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[(1-amino-4-sulfo-2-naphthalenyloxy)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....   | 2429-79-0 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulfo-7-[(4-sulfo-1-naphthalenyloxy)azo]-2-naphthalenyloxy]-5-methylphenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, tetrasodium salt .....                                   | 2429-81-4 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-sulfo-1-naphthalenyloxy]azo]-3,3'-dimethyl[1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....  | 6637-88-3 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulfo-1-naphthalenyloxy)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....   | 2586-58-5 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulfo-1-naphthalenyloxy)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-3-methyl-, disodium salt .....  | 6360-54-9 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 5-[[4'-[[2,4-dihydroxy-3-[(4-sulfo-1-naphthalenyloxy)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt .....  | 2893-80-3 .....                 | .....              | 10/04/82       | 10/04/92    |
| Benzoic acid, 3,3'-[(3,7-disulfo-1,5-naphthalenediyl)bis(azo(6-hydroxy-3,1-phenylene)azo(6(or 7)-sulfo-4,1-naphthalenediyl)azo[1,1'-biphenyl]-4,4'-diylazo)]bis[6-hydroxy-, hexasodium salt .....                                    | 8014-91-3 .....                 | .....              | 10/04/82       | 10/04/92    |
| [1,1'-Biphenyl]-4,1'-bis diazonium), 3,3'-dimethoxy- .....   | 20282-70-6 .....                | .....              | 10/04/82       | 10/04/92    |
| Butanamide, N,N-(3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl)bis(3-oxo- .....  | 91-96-3 .....                   | .....              | 10/04/82       | 10/04/92    |
| C.I. Direct Blue 218 .....   | 10401-50-0 .....                | .....              | 10/04/82       | 10/04/92    |
| Cuprate(2-), [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulfo-1-naphthalenyloxy)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxybenzoato(4-)-], disodium .....  | 16071-86-6 .....                | .....              | 10/04/82       | 10/04/92    |
| Cuprate(3-), [μ-[7-[[3,3'-dihydroxy-4'-[[1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenyloxy]azo][1,1'-biphenyl]-4-yl]azo]-8-hydroxy-1,6-naphthalenedisulfonato(7-))]di-, trisodium .....  | 6656-03-7 .....                 | .....              | 10/04/82       | 10/04/92    |

| Category  | CAS No. (ex-<br>amples for cat-<br>egory) | Special ex-<br>emptions | Effective<br>date | Sunset date |
|---|---|-------------------------|-------------------|-------------|
| Cuprate(4-), [μ-[6,6'-[3,3'-dihydroxy[1,1'-biphenyl]-4-4'-<br>diyl]bis(azo)]bis[4-amino-5-hydroxy-1,3-<br>naphthalenedisulfonato]](8-)]di-, tetrasodium .....       | 16143–79–6                                | .....                   | 10/04/82          | 10/04/92    |
| 2-Naphthalenecarboxamide, <i>N,N</i> -(3,3'-dimethoxy[1,1'-<br>biphenyl]-4,4'-diyl)]bis[3-hydroxy-  | 91–92–9                                   | .....                   | 10/04/82          | 10/04/92    |
| 1,3-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6-[[4'-<br>[(2hydroxy-1-naphthalenyl)azo]-3,3'-dimethoxy[1,1'-<br>biphenyl]-4-yl]azo]-, disodium salt .....       | 2586–57–4                                 | .....                   | 10/04/82          | 10/04/92    |
| 1,3-Naphthalenedisulfonic acid, 6,6'-[[3,3'-dimethoxy[1,1'-<br>biphenyl]-4,4'-diyl]bis(azo)]bis[4-amino-5-hydroxy-,<br>tetrasodium salt .....                       | 2610–05–1                                 | .....                   | 10/04/82          | 10/04/92    |
| 1,3-Naphthalenedisulfonic acid, 8-[[4'-[(4-ethoxyphenyl)azo]<br>[1,1'-biphenyl]-4-yl]azo]-7-hydroxy-, disodium salt .....   | 3530–19–6                                 | .....                   | 10/04/82          | 10/04/92    |
| 1,3-Naphthalenedisulfonic acid, 8-[[4'-[(4-ethoxyphenyl)azo]-<br>3,3'-dimethyl] [1,1'-biphenyl]-4-yl]azo]-7-hydroxy-, disodium<br>salt .....                        | 6358–29–8                                 | .....                   | 10/04/82          | 10/04/92    |
| 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[[4'-[[4-<br>methylphenyl] sulfonyl]oxy]phenyl]-azo] [1,1'-biphenyl]-4-<br>yl]azo]-, disodium salt .....                | 3567–65–5                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 5-amino-3-[[4'-[(7-amino-1-hy-<br>droxy-3-sulfo-2-naphthalenyl)-azo] [1,1'-biphenyl]-4-yl]azo]-<br>4-hydroxy-, trisodium salt ..... | 2429–73–4                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[(2,4-diamino-<br>5-methylphenyl)azo] [1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-<br>(phenylazo)-, disodium salt .....    | 2429–83–6                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[[2,4-<br>diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo] 5-hydroxy-6-<br>(phenylazo)-, disodium salt .....             | 1937–37–7                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6[[4'-[(4-<br>hydroxyphenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-3-[(4-<br>nitrophenyl)azo]-, disodium salt .....      | 4335–09–5                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-3-[[4'-[(4-<br>hydroxyphenyl)azo] [1,1'-biphenyl]-4-yl]azo]-6-(phenylazo)-,<br>disodium salt .....                | 3626–28–6                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-<br>diyl]bis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt .....   | 2602–46–2                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethoxy[1,1'-<br>biphenyl]-4,4'-diyl)]bis(azo)]bis[5-amino-4-hydroxy-,<br>tetrasodium salt .....                      | 2429–74–5                                 | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-[1,1'-<br>biphenyl]-4,4'-diyl)]bis(azo)]bis[5-amino-4-hydroxy-,<br>tetrasodium salt .....                      | 72–57–1                                   | .....                   | 10/04/82          | 10/04/92    |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-[1,1'-<br>biphenyl]-4,4'-diyl)]bis(azo)]bis-[4,5-dihydroxy-, tetrasodium<br>salt .....                         | 2150–54–1                                 | .....                   | 10/04/82          | 10/04/92    |
| 1-Naphthalenesulfonic acid, 3-[[4'[(6-amino-1-hydroxy-3-<br>sulfo-2-naphthalenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-<br>yl]azo]-4-hydroxy-, disodium salt .....   | 6449–35–0                                 | .....                   | 10/04/82          | 10/04/92    |
| 1-Naphthalenesulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diyl-4,4'-<br>diyl]bis(azo)]bis[(4-amino-,disodium salt .....  | 573–58–0                                  | .....                   | 10/04/82          | 10/04/92    |
| 1-Naphthalenesulfonic acid, 3,3'-[3,3'-dimethoxy-[1,1'-<br>biphenyl]-4,4'-diyl)]bis(azo)]bis[4-hydroxy-, disodium salt .....  | 2429–71–2                                 | .....                   | 10/04/82          | 10/04/92    |
| 1-Naphthalenesulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-<br>4,4'-diyl)]bis(azo)]bis[4-amino-,disodium salt .....  | 992–59–6                                  | .....                   | 10/04/82          | 10/04/92    |
| Chlorinated benzenes, mono-, di-, tri-, tetra-, and penta- .....  | .....                                     | .....                   | 10/04/82          | 10/04/92    |
| Benzene, chloro- .....  | 108–90–7                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2-dichloro- .....  | 95–50–1                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,3-dichloro- .....  | 541–73–1                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,4-dichloro- .....  | 106–46–7                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, pentachloro- .....   | 608–93–5                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2,3,4-tetrachloro- .....   | 634–66–2                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2,3,5-tetrachloro- .....   | 634–90–2                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2,4,5-tetrachloro- .....   | 95–94–3                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2,3-trichloro- .....   | 87–61–6                                   | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,2,4-trichloro- .....   | 120–82–1                                  | .....                   | 10/04/82          | 10/04/92    |
| Benzene, 1,3,5-trichloro- .....   | 108–70–3                                  | .....                   | 10/04/82          | 10/04/92    |
| Chlorinated naphthalenes—chlorinated derivatives of naphthalene<br>(empirical formula) C <sub>10</sub> H <sub>x</sub> Cl <sub>y</sub> where x = y = 8. ....         | .....                                     | .....                   | 10/04/82          | 12/29/88    |
| Naphthalene, chloro- .....  | 25586–43–0                                | .....                   | 10/04/82          | 12/29/88    |
| Naphthalene, chloro derivatives .....   | 70776–03–3                                | .....                   | 10/04/82          | 12/29/88    |
| Naphthalene, 1-chloro- .....  | 90–13–1                                   | .....                   | 10/04/82          | 12/29/88    |
| Naphthalene, heptachloro- .....   | 32241–08–0                                | .....                   | 10/04/82          | 12/29/88    |

Environmental Protection Agency

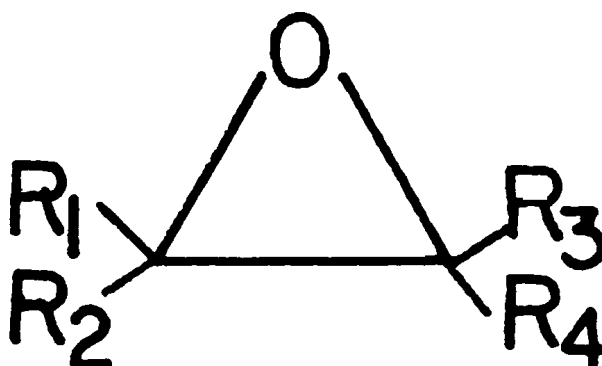
§ 716.120

| Category   | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|--|---------------------------------|--------------------|----------------|-------------|
| Chlorinated paraffins—chlorinated paraffin oils and chlorinated paraffin waxes, with chlorine content of 35 percent through 70 percent by weight                           |                                 |                    | 10/04/82       | 10/04/92    |
| Alkanes, chloro-   | 61788-76-9                      |                    | 10/04/82       | 10/04/92    |
| Alkanes, C <sub>6-18</sub> , chloro-   | 68920-70-7                      |                    | 10/04/82       | 10/04/92    |
| Paraffin waxes and hydrocarbon waxes, chlorinated  | 63449-39-8                      |                    | 10/04/82       | 10/04/92    |
| Ethyltoluenes—This category consists of ethyltoluene (mixed isomers) and the ortho (1,2-), meta (1,3-) and para (1,4-) isomers   |                                 |                    | 04/29/83       | 12/29/88    |
| Benzene, 1-ethyl-2-methyl-   | 611-14-3                        |                    | 04/29/83       | 12/29/88    |
| Fluoroalkenes—This category is defined as fluoroalkenes of the general formula: C <sub>n</sub> H <sub>2n-X</sub> F <sub>X</sub> where n equals 2 to 3 and X equals 1 to 6. |                                 |                    | 04/29/83       | 04/29/93    |
| Ethene, tetrafluoro-   | 116-14-3                        |                    | 04/29/83       | 04/29/93    |
| Ethene, trifluoro-   | 359-11-5                        |                    | 04/29/83       | 01/13/86    |
| 1-Propene, 1,1,2,3,3,3-hexafluoro-   | 116-15-4                        |                    | 04/29/83       | 04/29/93    |
| Glycidol (oxiranemethanol) and its derivatives   |                                 |                    | 10/04/82       | 10/04/92    |



| Category  | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|---|---------------------------------|--------------------|----------------|-------------|
| R = H; alkyl, alkenyl or alkynyl; aryl; acyl. where R = alkyl, alkenyl, alkynyl, aryl, or acyl; any substituents or functional groups may be present with the alkyl, etc., groups |                                 |                    |                |             |
| 1,2-Cyclohexanedicarboxylic acid, bis(oxiranylmethyl) ester   | 5493-45-8                       |                    | 10/04/82       | 10/04/92    |
| Disiloxane, 1,1,3,3-tetramethyl-1,3-bis[3-oxiranylmethoxy]propyl]-  | 126-80-7                        |                    | 10/04/82       | 10/04/92    |
| 2,4-Imidazolidinedione, 5,5-dimethyl-3-[2-(oxiranylmethoxy)propyl]-1-(oxiranylmethyl)-  | 32568-89-1                      |                    | 10/04/82       | 10/04/92    |
| 2,4-Imidazolidinedione, 3,3'-[2-(oxiranylmethoxy)-1,3-propanediyl]bis[5,5-dimethyl-1-(oxiranyl-methyl)-   | 38304-52-8                      |                    | 10/04/82       | 10/04/92    |
| Neodecanoic acid, oxiranylmethyl ester  | 26761-45-5                      |                    | 10/04/82       | 10/04/92    |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis  | 2425-79-8                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, (butoxymethyl)-  | 2426-08-6                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, 2,2'-[1,4-cyclohexanedilbis(methyleneoxymethylene)]bis-  | 14228-73-0                      |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(2,4-dibromophenoxy)methyl]-  | 20217-01-0                      |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(1,2-dibromopropoxy)methyl]-  | 35243-89-1                      |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(1,1-dimethylethoxy)methyl]-  | 7665-72-7                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, [[4-(1,1-dimethylethyl)phenoxy]methyl]-  | 3101-60-8                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-   | 17557-23-2                      |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(dodecyloxy)methyl]-  | 2461-18-9                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, 2,2'-[1,2-ethanediylbis(oxymethylene)]bis-   | 2224-15-9                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, 2,2',2'',2''-[1,2-ethanediylidenetetrakis-(4,1-phenyleneoxymethylene)]tetrakis-  | 7328-97-4                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, (ethoxymethyl)-  | 4016-11-9                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(2-ethylhexyl)oxy]methyl]-  | 2461-15-6                       |                    | 10/04/82       | 10/04/92    |
| Oxirane, [(hexadecyloxy)methyl]-  | 15965-99-8                      |                    | 10/04/82       | 10/04/92    |

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| Oxirane, 2,2',2''-[1,2,6-hexanetriyltris-(oxymethylene)]tris-   | 68959–23–9                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, (methoxymethyl)-   | 930–37–0                                  | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[methylenebis(phenyleneoxymethylene)]bis-   | 39817–09–9                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis-   | 54208–63–8                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(1-methylethoxy)methyl]-  | 4016–14–2                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[[1-methylethylidene]bis[4,1-phenyl-eneoxy[1-(<br>butoxymethyl)-2,1-ethanediy]oxymethylene]]bis-  | 71033–08–4                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[1-methylethylidene] bis(4,1-phenyl-<br>eneoxymethylene)]bis-   | 1675–54–3                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyl-<br>eneoxymethylene)]bis-, homopolymer  | 25085–99–8                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[(1-methylethylidene)bis[4,1-phenyleneoxy-3,1-<br>propanediyl]oxy-4,1-phenylene(1-methylethylidene)-4,1-<br>phenyleneoxymethylene)]bis- | 72319–24–5                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(methylphenoxy)methyl]-   | 26447–14–3                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(2-methylphenoxy)methyl]-   | 2210–79–9                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [[4-(1-methyl-1-phenylethyl)phenoxy]-methyl]-  | 61578–04–9                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, mono[C <sub>6</sub> -C <sub>12</sub> -alkyloxy)methyl]derivatives  | 68987–80–4                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, mono[C <sub>8</sub> -C <sub>12</sub> -alkyloxy)methyl]derivatives  | 68609–96–1                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, mono[C <sub>10</sub> -C <sub>14</sub> -alkyloxy)methyl]derivatives   | 68081–84–5                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, mono[C <sub>10</sub> -C <sub>14</sub> -alkyloxy)methyl]derivatives   | 68609–97–2                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(4-nitrophenoxy)methyl]-  | 5255–75–4                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(4-nonylphenoxy)methyl]-  | 6178–32–1                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(9-octadecenyloxy)methyl]-, (Z)-  | 60501–41–9                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(octadecyloxy)methyl]-  | 16245–97–9                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-(oxiranylmethoxy)-1,3-phen-<br>ylene]bis(methylene)]bis-  | 13561–08–5                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[[[2-oxiranylmethoxy)<br>phenyl]methylene]bis(4,1-phenyl-eneoxymethylene)]bis-  | 67786–03–2                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[oxybis(methylene)]bis-   | 2238–07–5                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, (phenoxy)methyl)-  | 122–60–1                                  | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[1,3-phenylenebis (oxymethylene)]bis-   | 2425–01–6                                 | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2'-[1,4-phenylenebis (oxymethylene)]bis-   | 101–90–6                                  | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2',2 <sup>1</sup> / <sub>4</sub> -[1,2,3-propanetriyl tris(oxymethylene)]tris-   | 13236–02–7                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(2-propenyloxy)methyl]-   | 106–92–3                                  | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, 2,2',2 <sup>1</sup> / <sub>4</sub> -[propylidynetris (4,1-<br>phenyleneoxymethylene)]tris-   | 68517–02–2                                | .....                   | 10/04/82          | 10/04/92    |
| Oxirane, [(tetradecyloxy)methyl]-   | 38954–75–5                                | .....                   | 10/04/82          | 10/04/92    |
| Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester   | 77–83–8                                   | .....                   | 10/04/82          | 10/04/92    |
| Poly(oxy-1,2-ethanediy),-α-[4-oxiranylmethoxy]benzoyl]-ω-<br>[[4-oxiranylmethoxy]benzoyl]oxy]-  | 69943–75–5                                | .....                   | 10/04/82          | 10/04/92    |
| 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester   | 106–91–2                                  | .....                   | 10/04/82          | 10/04/92    |
| 2-Propenoic acid, oxiranylmethyl ester  | 106–90–1                                  | .....                   | 10/04/82          | 10/04/92    |
| Silane, [(3-chloropropyl)(dimethoxy)]3-<br>(oxiranylmethoxy)propyl]-  | 71808–64–5                                | .....                   | 10/04/82          | 10/04/92    |
| Silane, diethoxymethyl[3-(oxiranyl-methoxy)propyl]-   | 2897–60–1                                 | .....                   | 10/04/82          | 10/04/92    |
| Silane, ethoxydimethyl[3-(oxiranyl-methoxy)propyl]-   | 17963–04–1                                | .....                   | 10/04/82          | 10/04/92    |
| Silane, trimethoxy[3-(oxiranyl-methoxy)propyl]-   | 2530–83–8                                 | .....                   | 10/04/82          | 10/04/92    |
| Tetrasiloxane, 1,1,1,3,5,7,7-octamethyl-3,5-bis[3-<br>(oxiranylmethoxy)propyl]-   | 69155–42–6                                | .....                   | 10/04/82          | 10/04/92    |
| Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-[3-(oxiranyl-<br>methoxy)propyl]-  | 7422–52–8                                 | .....                   | 10/04/82          | 10/04/92    |
| Halogenated alkyl epoxides—halogenated noncyclic aliphatic hy-<br>drocarbons with one or more epoxy functional groups.                                | .....                                     | .....                   | 10/04/82          | 12/29/88    |



| Category  | CAS No. (ex-<br>amples for cat-<br>egory) | Special ex-<br>emptions | Effective<br>date | Sunset date |
|---|---|-------------------------|-------------------|-------------|
| R <sub>1</sub> = X or C <sub>n</sub> H <sub>2n-1-y</sub> X <sub>y</sub> (y = 1 to 1n = 1)   | .....                                     | .....                   | .....             | .....       |
| R <sub>2</sub> = H or X or C <sub>n</sub> H <sub>2n-1-y</sub> X <sub>y</sub> (y = 0 to 2n = 1)  | .....                                     | .....                   | .....             | .....       |
| R <sub>3</sub> = H or X or C <sub>n</sub> H <sub>2n-1-y</sub> X <sub>y</sub> (y = 0 to 2n = 1)  | .....                                     | .....                   | .....             | .....       |
| R <sub>4</sub> = H or X or C <sub>n</sub> H <sub>2n-1-y</sub> X <sub>y</sub> (y = 0 to 2n = 1)  | .....                                     | .....                   | .....             | .....       |
| X = halogen. Groups R <sub>1</sub> -R <sub>4</sub> may contain one or more epoxide<br>functions.  | .....                                     | .....                   | .....             | .....       |
| Lead and lead compounds .....   | .....                                     | § 716.21                | February          | April 28,   |
| Lead .....  | 7439-92-1                                 | (a)(8)<br>§ 716.21      | 28, 2008          | 2008        |
| Acetic acid, lead (2 + ) salt .....   | 301-04-2                                  | (a)(8)<br>§ 716.21      | February          | April 28,   |
| Carbonic acid, lead (2 + ) salt (1:1) .....   | 598-63-0                                  | (a)(8)<br>§ 716.21      | 28, 2008          | 2008        |
| Lead chloride (PbCl <sub>2</sub> ) .....  | 7758-95-4                                 | (a)(8)<br>§ 716.21 (a)  | February          | April 28,   |
| Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), lead (2 + ) salt (1:1) .....   | 7758-97-6                                 | (8)<br>§ 716.21         | 28, 2008          | 2008        |
| Lead oxide (PbO <sub>2</sub> ) .....  | 1309-60-0                                 | (a)(8)<br>§ 716.21      | February          | April 28,   |
| Oxirane, (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)- .....   | 38565-52-5                                | (a)(8)                  | 28, 2008          | 2008        |
| Borate (1-), tetrafluoro-, lead (2 + ) (2:1) .....  | 13814-96-5                                | 10/04/82<br>§ 716.21    | February          | 12/29/88    |
| Phosphoric acid, lead (2 + ) salt (2:3) .....   | 7446-27-7                                 | (a)(8)<br>§ 716.21      | February          | April 28,   |
| Silicic acid, lead salt, basic .....  | 53466-66-3                                | (a)(8)<br>§ 716.21      | 28, 2008          | 2008        |
| Octadecanoic acid, lead salt (1:?) .....  | 7428-48-0                                 | (a)(8)<br>§ 716.21      | February          | April 28,   |
| Sulfuric acid, lead salt (1:?), basic .....   | 63653-42-9                                | (a)(8)<br>§ 716.21      | 28, 2008          | 2008        |
| Oxirane, (bromomethyl)- .....   | 3132-463-7                                | (a)(8)                  | February          | April 28,   |
| Oxirane, (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)- .....   | 38565-52-5                                | (a)(8)                  | 28, 2008          | 2008        |
| Lead sulfide (PbS) .....  | 1314-8 7-0                                | 10/04/82<br>§ 716.21    | February          | 12/29/88    |
| Phenylenediamines (Benzenediamines). This category is de-<br>fined as all nitrogen unsubstituted phenylenediamines and<br>their salts with zero to two substituents on the ring se-<br>lected from the same of different members of the group of<br>halo, nitro, hydroxy, hydroxy-lower alkoxy, lower-alkyl, and<br>lower alkoxy. For this purpose, the term "lower" is defined<br>as a group containing between one and four carbons. .... | .....                                     | .....                   | .....             | .....       |
| 1,2-Benzenediamine .....  | 95-54-5                                   | .....                   | 04/29/83          | 04/29/93    |
| 1,3-Benzenediamine .....  | 108-45-2                                  | .....                   | 4/29/83           | 4/29/93     |
| 1,2 - Benzenediamine, 4-butyl- .....  | 3663-23-8                                 | .....                   | 4/29/83           | 12/29/88    |
| 1,2 - Benzenediamine, 4-butyl- .....  | 95-83-0                                   | .....                   | 4/29/83           | 4/29/83     |
| 1,3-Benzenediamine, 4-chloro- .....   | 5131-60-2                                 | .....                   | 04/29/83          | 04/29/93    |
| 1,4-Benzenediamine, 2-chloro-, dihydrochloride .....  | 615-46-3                                  | .....                   | 04/29/83          | 12/29/88    |
| 1,2-Benzenediamine, 5-chloro-3-nitro- .....   | 42389-30-0                                | .....                   | 04/29/83          | 12/29/88    |
| 1,2-Benzenediamine, 4-chloro-, sulfate (1:1) .....  | 68459-98-3                                | .....                   | 04/29/83          | 12/29/88    |



| Category  | CAS No. (examples for category) | Special exemptions | Effective date | Sunset date |
|---|---------------------------------|--------------------|----------------|-------------|
| 1,3-Benzenediamine, 4-chloro-, sulfate (1:1)      | 68239–80–5                      |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2-chloro-, sulfate            | 6219–71–2                       |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2,5-dichloro-                 | 20103–09–7                      |                    | 04/29/83       | 12/29/88    |
| 1,2-Benzenediamine, dihydrochloride               | 615–28–1                        |                    | 04/29/83       | 04/29/93    |
| 1,3-Benzenediamine, dihydrochloride               | 541–69–5                        |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, dihydrochloride               | 624–18–0                        |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, ethanedioate (1:1)            | 62654–17–5                      |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 4-ethoxy-                     | 1197–37–1                       |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, 4-ethoxy-dihydrochloride      | 67801–06–3                      |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, 4-ethoxy-, sulfate (1:1)      | 68015–98–5                      |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, ar-ethyl-ar-methyl-           | 68966–84–7                      |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2-methoxy                     | 5307–02–8                       |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 4-methoxy-, dihydrochloride   | 614–94–8                        |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, 4-methoxy-, sulfate           | 6219–67–6                       |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, 4-methoxy-, sulfate (1:1)     | 39156–41–7                      |                    | 04/29/83       | 04/29/93    |
| Benzenediamine, ar-methyl-                        | 25376–45–8                      |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 3-methyl-                     | 2687–25–4                       |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 4-methyl-                     | 496–72–0                        |                    | 04/29/83       | 04/29/93    |
| 1,3-Benzenediamine, 2-methyl-                     | 823–40–5                        |                    | 04/29/83       | 04/29/93    |
| 1,3-Benzenediamine, 4-methyl-                     | 95–80–7                         |                    | 04/29/83       | 04/29/93    |
| 1,3-Benzenediamine, 5-methyl-                     | 108–71–4                        |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, 2-methyl-                     | 95–70–5                         |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, 2-methyl-, dihydrochloride-   | 615–45–2                        |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, 2-methyl-, sulfate            | 6369–59–1                       |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, 2-methyl-, sulfate (1:1)      | 615–50–9                        |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 4-nitro-                      | 99–56–9                         |                    | 04/29/83       | 04/29/93    |
| 1,3-Benzenediamine, 4-nitro-                      | 5131–58–8                       |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, 5-nitro-                      | 5042–55–7                       |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2-nitro-                      | 5307–14–2                       |                    | 04/29/83       | 04/29/93    |
| 1,2-Benzenediamine, 4-nitro-, dihydrochloride     | 6219–77–8                       |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2-nitro-, dihydrochloride     | 18266–52–9                      |                    | 04/29/83       | 12/29/88    |
| 1,2-Benzenediamine, 4-nitro-, sulfate (1:1)       | 68239–82–7                      |                    | 04/29/83       | 12/29/88    |
| 1,4-Benzenediamine, 2-nitro-, sulfate (1:1)       | 68239–83–8                      |                    | 04/29/83       | 12/29/88    |
| 1,3-Benzenediamine, sulfate (1:1)                 | 541–70–8                        |                    | 04/29/83       | 04/29/93    |
| 1,4-Benzenediamine, sulfate (1:1)                 | 16245–77–5                      |                    | 04/29/83       | 04/29/93    |
| Ethanol, 2-(2,4-diaminophenoxy)-, dihydrochloride | 66422–95–5                      |                    | 04/29/83       | 12/29/88    |
| Phenol, 2,4-diamino-, dihydrochloride             | 137–09–7                        |                    | 04/29/83       | 04/29/93    |
| Phenol, 2,4-diamino-6-methyl-                     | 15872–73–8                      |                    | 04/29/83       | 12/29/88    |
| Phenol, 2,4-diamino-6-methyl-, hydrochloride      | 65879–44–9                      |                    | 04/29/83       | 12/29/88    |

(d) *Listed members of categories.* The following categories are listed in alphabetical order with the chemical substances identified in each category also listed alphabetically. Only those

chemical substances specifically listed within a category are subject to all provisions of part 716 for the time period from the effective date of the rule until the sunset date.

| Category   | CAS No.    | Special Exemptions | Effective Date | Sunset Date |
|--|------------|--------------------|----------------|-------------|
| <b>Aldehydes:</b>  |            |                    |                |             |
| Acetaldehyde   | 75–07–0    |                    | 9/30/91        | 6/30/98     |
| Acetaldehyde, chloro-  | 107–20–0   |                    | 9/30/91        | 6/30/98     |
| Acetaldehyde, (1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene) | 84–83–3    |                    | 9/30/91        | 6/30/98     |
| Acetaldehyde, trichloro-                                       | 75–87–6    |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde   | 100–52–7   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 3-bromo-   | 3132–99–8  |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-butyl-   | 1200–14–2  |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 2-chloro-  | 89–98–5    |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-chloro-  | 104–88–1   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-(diethylamino)-                                | 120–21–8   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-(diethylamino)-2-hydroxy-                      | 17754–90–4 |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 2,4-dihydroxy-                                   | 95–01–2    |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 2,5-dimethoxy-                                   | 93–02–7    |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 3,4-dimethoxy-                                   | 120–14–9   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, (dimethylamino)-                                 | 28602–27–9 |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 4-(dimethylamino)-                               | 100–10–7   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-ethoxy-  | 10031–82–0 |                    | 19/30/91       | 12/19/95    |
| Benzaldehyde, 3-ethoxy-4-hydroxy-                              | 121–32–4   |                    | 9/30/91        | 6/30/98     |

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| Category  | CAS No.    | Special Exemptions | Effective Date | Sunset Date |
|---|------------|--------------------|----------------|-------------|
| Benzaldehyde, 2-hydroxy-  | 90-02-8    |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-hydroxy-  | 123-08-0   |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 4-hydroxy-3-methoxy-                                | 121-33-5   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 2-hydroxy-5-nitro-                                  | 97-51-8    |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 2-methoxy-  | 135-02-4   |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 4-methoxy-  | 123-11-5   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, methyl-   | 1334-78-7  |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 4-methyl-   | 104-87-0   |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 2-nitro-  | 552-89-6   |                    | 9/30/91        | 12/19/95    |
| Benzaldehyde, 3-phenoxy-  | 39515-51-0 |                    | 9/30/91        | 6/30/98     |
| Benzaldehyde, 4-(trifluoromethyl)-                                | 455-19-6   |                    | 9/30/91        | 12/19/95    |
| Benzeneacetaldehyde   | 122-78-1   |                    | 9/30/91        | 6/30/98     |
| Benzeneacetaldehyde, alpha-methyl-                                | 93-53-8    |                    | 9/30/91        | 12/19/95    |
| Benzeneacetaldehyde, 4-methyl-                                    | 104-09-6   |                    | 9/30/91        | 12/19/95    |
| Benzenepropanal, 4-(1,1-dimethylethyl)-alpha-methyl-              | 80-54-6    |                    | 9/30/91        | 6/30/98     |
| Benzenepropanal, alpha-methyl-4-(1-methylethyl)-                  | 103-95-7   |                    | 9/30/91        | 6/30/98     |
| 1,3-Benzodioxole-5-carboxaldehyde                                 | 120-57-0   |                    | 9/30/91        | 6/30/98     |
| 1,3-Benzodioxole-5-carboxaldehyde, 7-methoxy-                     | 5780-07-4  |                    | 9/30/91        | 12/19/95    |
| Butanal, 3-methyl-  | 590-86-3   |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde                                    | 100-50-5   |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde, dimethyl-                         | 27939-60-2 |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-     | 31906-04-4 |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methyl-3-pentenyl)- | 52475-86-2 |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methylpentyl)-      | 66327-54-6 |                    | 9/30/91        | 6/30/98     |
| 3-Cyclohexene-1-carboxaldehyde, 4-(4-methyl-3-pentenyl)-          | 37677-14-8 |                    | 9/30/91        | 12/19/95    |
| 3-Cyclohexene-1-carboxaldehyde, 2,4,6-trimethyl-                  | 1423-46-7  |                    | 9/30/91        | 12/19/95    |
| 3-Cyclopentene-1-acetaldehyde, 2,2,3-trimethyl-                   | 4501-58-0  |                    | 9/30/91        | 6/30/98     |
| Decanal   | 112-31-2   |                    | 9/30/91        | 6/30/98     |
| 4a(4H)-Dibenzofurancarboxaldehyde, 1,5a,6,9,9a,9b-hexahydro-      | 126-15-8   |                    | 9/30/91        | 6/30/98     |
| Dodecanal   | 112-54-9   |                    | 9/30/91        | 6/30/98     |
| Ethanedial  | 107-22-2   |                    | 9/30/91        | 6/30/98     |
| Heptanal  | 111-71-7   |                    | 9/30/91        | 6/30/98     |
| Heptanal, 2-(phenylmethylene)-                                    | 122-40-7   |                    | 9/30/91        | 6/30/98     |
| 5-Heptenal, 2,6-dimethyl-   | 106-72-9   |                    | 9/30/91        | 12/19/95    |
| Hexanal, 2-ethyl-   | 123-05-7   |                    | 9/30/91        | 6/30/98     |
| Hexanal, 3,5,5-trimethyl-   | 5435-64-3  |                    | 9/30/91        | 12/19/95    |
| 2-Hexenal   | 505-57-7   |                    | 9/30/91        | 12/19/95    |
| Hexenal, 2-ethyl-   | 26266-68-2 |                    | 9/30/91        | 6/30/98     |
| Indium Compounds:   |            |                    |                |             |
| Acetic acid, indium(3+) salt                                      | 25114-58-3 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium  | 7440-74-6  | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium chloride (InCl3)   | 10025-82-8 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium hydroxide (In(OH)3)  | 20661-21-6 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium oxide (In2O3)  | 1312-43-2  | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium phosphide (InP)  | 22398-80-7 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium tin oxide  | 50926-11-9 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Sulfamic acid, indium(3+) salt                                    | 66027-93-8 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Sulfuric acid, indium(3+) salt (3:2)                              | 13464-82-9 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| 1-Naphthalene carboxaldehyde                                      | 66-77-3    |                    | 9/30/91        | 12/19/95    |
| Nonanal   | 124-19-6   |                    | 9/30/91        | 6/30/98     |
| 2,6-Octadienal, 3,7-dimethyl-, (E)                                | 141-27-5   |                    | 9/30/91        | 12/19/95    |
| 2,6-Octadienal, 3,7-dimethyl-, (Z)                                | 106-26-3   |                    | 9/30/91        | 12/19/95    |
| Octanal   | 124-13-0   |                    | 9/30/91        | 6/30/98     |
| Octanal, 3,7-dimethyl-  | 5988-91-0  |                    | 9/30/91        | 12/19/95    |
| Octanal, 7-hydroxy-3,7-dimethyl-                                  | 107-75-5   |                    | 9/30/91        | 6/30/98     |
| Octanal, 7-methoxy-3,7-dimethyl-                                  | 3613-30-7  |                    | 9/30/91        | 6/30/98     |
| Octanal, 2-(phenylmethylene)-                                     | 101-86-0   |                    | 9/30/91        | 6/30/98     |
| 6-Octenal, 3,7-dimethyl-  | 106-23-0   |                    | 9/30/91        | 6/30/98     |
| 6-Octenal, 3,7-dimethyl-, (S)-                                    | 5949-05-3  |                    | 9/30/91        | 12/19/95    |
| Pentanal  | 110-62-3   |                    | 9/30/91        | 6/30/98     |
| Pentanedial   | 111-30-8   |                    | 9/30/91        | 6/30/98     |
| 1-Piperidinecarboxaldehyde  | 2591-86-8  |                    | 9/30/91        | 6/30/98     |
| Propanal  | 123-38-6   |                    | 9/30/91        | 6/30/98     |

| Category   | CAS No.    | Special Exemptions     | Effective Date | Sunset Date |
|--|------------|------------------------|----------------|-------------|
| Propanal, 3-hydroxy-2,2-dimethyl-                                      | 597-31-9   |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 2-methyl-  | 78-85-3    |                        | 9/30/91        | 12/19/95    |
| Propanal, 3-(methylthio)-  | 3268-49-3  |                        | 9/30/91        | 6/30/98     |
| 2-Propenal   | 107-02-8   |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 3-(1,1-dimethylethyl)phenyl-2-methyl-                      | 13586-68-0 |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 3-(2-methoxyphenyl)-                                       | 1504-74-1  |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 2-methyl-  | 78-85-3    |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 2-methyl-3-phenyl-   | 101-39-3   |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 3-phenyl-  | 104-55-2   |                        | 9/30/91        | 6/30/98     |
| 2-Propenal, 3-phenyl-, monopenyl deriv.                                | 1331-92-6  |                        | 9/30/91        | 6/30/98     |
| 2-Pyridinecarboxaldehyde   | 1121-60-4  |                        | 9/30/91        | 12/19/95    |
| 2-Thiophene carboxaldehyde   | 98-03-3    |                        | 9/30/91        | 12/19/95    |
| Undecanal  | 112-44-7   |                        | 9/30/91        | 6/30/98     |
| Undecanal, 2-methyl-   | 110-41-8   |                        | 9/30/91        | 6/30/98     |
| 9-Undecenal  | 143-14-6   |                        | 9/30/91        | 12/19/95    |
| 10-Undecenal   | 112-45-8   |                        | 9/30/91        | 6/30/98     |
| Alkyl-, Chloro-, and Hydroxymethyl Diaryl Ethers:                      |            |                        |                |             |
| Benzene, 1-(bromomethyl)-3-phenoxy-                                    | 51632-16-7 |                        | 04/12/93       | 06/30/98    |
| Benzenemethanol, 3-phenoxy-,   | 13826-35-2 |                        | 04/12/93       | 06/30/98    |
| Benzenemethanol, 3-phenoxy-, acetate                                   | 50789-44-1 |                        | 4/12/93        | 12/19/95    |
| Benzene, 1-methyl-3-phenoxy-   | 3586-14-9  |                        | 04/12/93       | 06/30/98    |
| Benzene, 1,1'-oxybis[dodecyl-]   | 69834-19-1 |                        | 4/12/93        | 12/19/95    |
| Benzene, 1,1'-oxybis[methyl-]  | 28299-41-4 |                        | 04/12/93       | 06/30/98    |
| Benzene, 1,1'-oxybis[(1,1,3,3-tetramethylbutyl)-]                      | 61702-88-3 |                        | 4/12/93        | 12/19/95    |
| Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-                 | 63734-62-3 |                        | 04/12/93       | 06/30/98    |
| Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy], potassium salt. | 72242-48-3 |                        | 04/12/93       | 06/30/98    |
| 1,1'-Biphenyl, phenoxy-  | 28984-89-6 |                        | 04/12/93       | 06/30/98    |
| 2-Chloro-1-(3-methylphenoxy)-4-(trifluoromethyl)benzene.               | 42874-96-4 |                        | 04/12/93       | 06/30/98    |
| 1,4-Diphenoxybenzene   | 3061-36-7  |                        | 4/12/93        | 12/19/95    |
| Phenol, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, acetate.             | 50594-77-9 |                        | 04/12/93       | 06/30/98    |
| Alkyl Phosphates:  |            |                        |                |             |
| Ethanol, 2-butoxy-, phosphate (3:1)                                    | 78-51-3    |                        | 10/29/90       | 12/19/95    |
| Ethanol, 2-(2-butoxyethoxy)-, phosphate (3:1).                         | 7332-46-9  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, bis(2-ethylhexyl) ester                               | 298-07-7   |                        | 10/29/90       | 12/19/95    |
| Phosphoric acid, dibutyl ester   | 107-66-4   |                        | 10/29/90       | 06/30/98    |
| Phosphoric acid, didodecyl ester                                       | 7057-92-3  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, diisooctyl ester                                      | 27215-10-7 |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, dodecyl ester   | 12751-23-4 |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, 2-ethylhexyl ester                                    | 12645-31-7 |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, monobutyl ester                                       | 1623-15-0  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, mono(2-ethylhexyl)ester.                              | 1070-03-7  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, monohexyl ester                                       | 3900-04-7  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, monomethyl ester                                      | 812-00-0   |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, mono(1-methylethyl)ester.                             | 1623-24-1  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, monoethyl ester                                       | 3991-73-9  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, monoheptyl ester                                      | 2958-09-0  |                        | 10/29/90       | 11/09/93    |
| Phosphoric acid, triethyl ester  | 78-40-0    |                        | 10/29/90       | 12/19/95    |
| Phosphoric acid, tris(2-ethylhexyl) ester                              | 78-42-2    |                        | 10/29/90       | 12/19/95    |
| Phosphoric acid, tris(2-methylpropyl) ester.                           | 126-71-6   |                        | 10/29/90       | 11/09/93    |
| Phosphorodichloridic acid, ethyl ester                                 | 1498-51-7  |                        | 10/29/90       | 11/09/93    |
| Alkylphenols and Alkylphenol Ethoxates:                                |            |                        |                |             |
| tert-Butylphenol (mixed isomers)                                       | 27178-34-3 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 2-Butylphenol  | 3180-09-4  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 2-tert-Butylphenol   | 88-18-6    | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-n-Butylphenol  | 1638-22-8  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-sec-Butylphenol  | 99-71-8    | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-tert-Butylphenol   | 98-54-4    | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Decaethylene glycol 4-isooctylphenyl ether.                            | 2315-66-4  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-Dodecylphenol  | 104-43-8   | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Dodecylphenol (mixed isomers)  | 1331-57-3  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |

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| Dedecylphenol (mixed isomers)  | 27193-86-8 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Hexaethylene glycol 4-isooctylphenyl ether.                                      | 2497-58-7  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Isobutylphenol (mixed isomers)   | 31195-95-6 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Isononylphenol (mixed isomers)   | 11066-49-2 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-(1-Methylbutyl)phenol  | 94-06-4    | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| (1-Methylheptyl)phenol (mixed isomers)   | 27985-70-2 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-(1-Methyloctyl)phenol  | 17404-66-9 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Nonylphenol (mixed isomers)  | 1300-16-9  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-Nonylphenol  | 25154-52-3 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Branched 4-nonylphenol (mixed isomers).  | 104-40-5   | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 2-Octylphenol  | 84852-15-3 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-Octylphenol  | 949-13-3   | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-Pentylphenol   | 1806-26-4  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-tert-Pentylphenol  | 14938-35-3 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Polyethylene glycol mono(octyl)phenyl ether.                                     | 80-46-6    | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Polyethylene glycol 4-(tert-octyl)phenyl ether.                                  | 9036-19-5  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -(octylphenyl)- $\omega$ -hydroxy-, branched. | 9002-93-1  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 2-(1,1,3,3-Tetramethylbutyl)phenol   | 68987-90-6 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers).                                | 3884-95-5  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
|  | 1322-69-6  | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
|  | 27193-28-8 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
|  | 29932-96-5 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
|  | 30105-54-5 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
|  | 62744-41-6 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| 4-(2,2,3,3-Tetramethylbutyl)phenol   | 54932-78-4 | § 716.20(b)(4) applies | 3/29/96        | 6/30/98     |
| Brominated flame retardants:   |            |                        |                |             |
| Alkanes, C10-18, bromochloro-  | 68955-41-9 |                        | 10/29/90       | 12/19/95    |
| Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy-                              | 87-10-5    |                        | 10/29/90       | 12/19/95    |
| Benzene, ethenyl-, homopolymer, brominated.                                      | 88497-56-7 |                        | 10/29/90       | 11/09/93    |
| Benzene, 1,1'-(1-methylethylidene)bis (3,5-dibromo-4-(2-propenyloxy)-            | 25327-89-3 |                        | 10/29/90       | 11/09/93    |
| Benzene, pentabromomethyl-   | 87-83-2    |                        | 10/29/90       | 12/19/95    |
| Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-                                      | 87-84-3    |                        | 10/29/90       | 12/19/95    |
| Cyclohexane, tetrabromodichloro-   | 30554-72-4 |                        | 10/29/90       | 12/19/95    |
| Cyclohexane, tribromotrichloro-  | 30554-73-5 |                        | 10/29/90       | 12/19/95    |
| Ethanol, 2,2'-((1-methylethylidene)bis ((2,6-dibromo-4,1-phenylene)oxy)) bis-    | 4162-45-2  |                        | 10/29/90       | 12/19/95    |
| Ethene, bromo-   | 593-60-2   |                        | 10/29/90       | 06/30/98    |
| Phenol, 2,4-dibromo-   | 615-58-7   |                        | 10/29/90       | 12/19/95    |
| Phenol, 2,4(or 2,6)-dibromo-, homopolymer.                                       | 69882-11-7 |                        | 10/29/90       | 12/19/95    |
| 1-Propanol, 2,3-dibromo-   | 96-13-9    |                        | 10/29/90       | 12/19/95    |
| 1-Propanol, 2,2-dimethyl-, tribromo deriv  | 36483-57-5 |                        | 10/29/90       | 12/19/95    |
| 2-Propenoic acid, (1-methylethylidene)bis (2,6-dibromo-4,1-phenylene) ester.     | 55205-38-4 |                        | 10/29/90       | 12/19/95    |
| Chloroalkyl phosphates:  |            |                        |                |             |
| 2,2-Bis(chloromethyl)-1,3-propanediyltetrakis(2-chloroethyl) phosphate.          | 38051-10-4 |                        | 6/14/93        | 12/19/95    |
| 2-Chloro-1-methylethylbis(2-chloropropyl) phosphate-                             | 76649-15-5 |                        | 6/14/93        | 12/19/95    |
| 1,2-Ethanediyl tetrakis(2-chloro-1-methylethylene) phosphate.                    | 34621-99-3 |                        | 6/14/93        | 12/19/95    |
| Oxydi-2,1-ethanediyltetrakis(2-chloroethyl) phosphate.                           | 53461-82-8 |                        | 6/14/93        | 12/19/95    |
| Cyanoacrylates:  |            |                        |                |             |
| 2-Propenoic acid, 2-cyano-, methyl ester.  | 137-05-3   |                        | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, isobutyl ester.                                      | 1069-55-2  |                        | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-3,3-diphenyl-, 2-ethylhexyl ester.                     | 6197-30-4  |                        | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, butyl ester  | 6606-65-1  |                        | 1/26/94        | 12/19/95    |

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| 2-Propenoic acid, 2-cyano-, ethyl ester   | 7085-85-0  |                    | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, 2-propenyl ester.   | 7324-02-9  |                    | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, 1-methylethyl ester.  | 10586-17-1 |                    | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, ethoxy ethyl ester.   | 21982-43-4 |                    | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, 2,2,2-trifluoromethyl ester.  | 23023-91-8 |                    | 1/26/94        | 12/19/95    |
| 2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester.   | 27816-23-5 |                    | 1/26/94        | 12/19/95    |
| Ethaniminium, 2-[[2-cyano-3-[4-(diethylamino)phenyl]-1-oxo-2-propenyl]oxy]-N,N,N-trimethyl-, chloride.        | 64992-16-1 |                    | 1/26/94        | 12/19/95    |
| <b>Indium Compounds:</b>  |            |                    |                |             |
| Acetic acid, indium(3 + ) salt  | 25114-58-3 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium  | 7440-74-6  | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium chloride (InCl <sub>3</sub> )  | 10025-82-8 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium hydroxide (In(OH) <sub>3</sub> )   | 20661-21-6 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium oxide (In <sub>2</sub> O <sub>3</sub> )  | 1312-43-2  | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium phosphide (InP)  | 22398-80-7 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Indium tin oxide  | 50926-11-9 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Sulfamic acid, indium(3 + ) salt  | 66027-93-8 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| Sulfuric acid, indium(3 + ) salt (3:2)  | 13464-82-9 | § 716.21(a)(6)     | 6/3/04         | 8/2/04      |
| <b>IRIS Chemicals:</b>  |            |                    |                |             |
| 3,4-Dimethylphenol  | 95-65-8    |                    | 9/30/91        | 12/19/95    |
| 2,4-Dinitrophenol   | 51-28-5    |                    | 9/30/91        | 12/19/95    |
| <b>Isocyanates:</b>   |            |                    |                |             |
| Acetic acid, isocyanato-, ethyl ester   | 2949-22-6  |                    | 10/29/90       | 11/09/93    |
| Benzene, bis(isocyanatomethyl)-   | 25854-16-4 |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-bromo-4-isocyanato-  | 2493-02-9  |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-chloro-3-isocyanato-   | 2909-38-8  |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-chloro-4-isocyanato-   | 104-12-1   |                    | 10/29/90       | 06/30/98    |
| Benzene, 1,2-dichloro-4-isocyanato-   | 102-36-3   |                    | 10/29/90       | 06/30/98    |
| Benzene, 1,3-dichloro-5-isocyanato-   | 34893-92-0 |                    | 10/29/90       | 11/09/93    |
| Benzene, 1,1'-(diisocyanatomethylene)bis-   | 10031-75-1 |                    | 10/29/90       | 11/09/93    |
| Benzene, isocyanato-  | 103-71-9   |                    | 10/29/90       | 06/30/98    |
| Benzene, 2-isocyanato-1,3-bis(1-methylethyl)-   | 28178-42-9 |                    | 10/29/90       | 11/09/93    |
| Benzene, 2-isocyanato-1,3-dimethyl-, ester.   | 28556-81-2 |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-isocyanato-2-methyl-   | 614-68-6   |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-isocyanato-4-methyl-   | 622-58-2   |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-isocyanato-4-nitro-  | 100-28-7   |                    | 10/29/90       | 11/09/93    |
| Benzene, 1-isocyanato-3-(trifluoromethyl)-  | 329-01-1   |                    | 10/29/90       | 06/30/98    |
| Benzene, 1,1',1''-methylidynetris(4-isocyanato-   | 2422-91-5  |                    | 10/29/90       | 11/09/93    |
| Butane, 1-isocyanato-   | 111-36-4   |                    | 10/29/90       | 06/30/98    |
| Cyclohexane, 2-heptyl-3,4-bis (9-isocyanatononyl)-1-pentyl-   | 68239-06-5 |                    | 10/29/90       | 11/09/93    |
| Cyclohexane, isocyanato-  | 3173-53-3  |                    | 10/29/90       | 11/09/93    |
| 1,3-Diazetidone-2,4-dione, 1,3-bis(3-isocyanato methylphenyl)-  | 26747-90-0 |                    | 10/29/90       | 11/09/93    |
| Ethane, isocyanato-   | 109-90-0   |                    | 10/29/90       | 12/19/95    |
| Imidodicarbonic diamide, N,N'-2-tris(6-isocyanatohexyl)-  | 4035-89-6  |                    | 10/29/90       | 11/09/93    |
| Methane, isocyanato-  | 624-83-9   |                    | 10/29/90       | 12/19/95    |
| Octadecane, 1-isocyanato-   | 112-96-9   |                    | 10/29/90       | 11/09/93    |
| Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester).  | 4151-51-3  |                    | 10/29/90       | 11/09/93    |
| Propane, 1-isocyanato-  | 110-78-1   |                    | 10/29/90       | 11/09/93    |
| 1-Propene, 3-isocyanato-  | 1476-23-9  |                    | 10/29/90       | 11/09/93    |
| 2-Propenoic acid, 2-methyl-, 2-isocyanatoethyl ester.   | 30674-80-7 |                    | 10/29/90       | 12/19/95    |
| 2-Propenoic acid, 2-methyl-2-(((5-isocyanato-1,3,3-trimethylcyclohexyl)methyl)amino) carbonyl)oxyethyl ester. | 73597-26-9 |                    | 10/29/90       | 11/09/93    |
| 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tris(3-isocyanatomethylphenyl)-                                 | 26603-40-7 |                    | 10/29/90       | 11/09/93    |
| <b>Methyl ethylene glycol ethers and esters:</b>  |            |                    |                |             |
| Ethylene glycol monomethyl ether acrylate.  | 3121-61-7  |                    | 1/26/94        | 12/19/95    |

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| Tetraethylene glycol monomethyl ether<br>OSHA Chemicals in Need of Dermal Absorption Testing: | 23783-42-8 |                                     | 1/26/94        | 12/19/95    |
| Amitrole  | 61-82-5    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>n</i> -Amyl acetate  | 628-63-7   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>o</i> -Anisidine   | 90-04-0    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Benzyl chloride   | 100-44-7   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>sec</i> -Butyl acetate   | 105-46-4   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>tert</i> -Butyl acetate  | 540-88-5   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>sec</i> -Butyl alcohol   | 78-92-2    | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>tert</i> -Butyl alcohol  | 75-65-0    | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>t</i> -Butylcatechol   | 98-29-3    | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| <i>o</i> - <i>sec</i> -butylphenol  | 89-72-5    |                                     | 3/11/94        | 6/30/98     |
| Camphor   | 76-22-2    | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Carbon disulfide  | 75-15-0    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Catechol  | 120-80-9   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| <i>a</i> -Chloroacetophenone  | 532-27-4   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Chlorobenzene   | 108-90-7   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>o</i> -Chlorotoluene   | 95-49-8    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Cyclohexene   | 110-83-8   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Cyclohexanol  | 108-93-0   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Cyclopentadiene   | 542-92-7   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Cyclopentane  | 287-92-3   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Diacetone alcohol   | 123-42-2   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Dibutyl phosphate   | 107-66-4   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| 1,2-Dichloroethylene  | 540-59-0   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Dicyclopentadiene   | 77-73-6    | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Dimethyl acetamide  | 127-19-5   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Dimethylaniline   | 121-69-7   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Dimethyl sulfate  | 77-78-1    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>m</i> -Dinitrobenzene  | 99-65-0    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>o</i> -Dinitrobenzene  | 528-29-0   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>p</i> -Dinitrobenzene  | 100-25-4   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| 2,4-Dinitrotoluene  | 121-14-2   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Diphenylamine   | 122-39-4   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Disulfiram  | 97-77-8    | § 716.20(b)(3) applies              | 1/26/94        | 1/26/94     |
| Ethyl bromide   | 74-96-4    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Ethyl ether   | 60-29-7    | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Heptane ( <i>n</i> -Heptane)  | 142-82-5   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Indene  | 95-13-6    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Isoamyl acetate   | 123-92-2   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| <i>N</i> -Isopropylaniline  | 768-52-5   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>p</i> -Methoxyphenol   | 150-76-5   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Methyl acetate  | 79-20-9    | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Methylcyclohexane   | 108-87-2   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Methyl formate  | 107-31-3   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Methyl isoamyl ketone   | 110-12-3   | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| <i>p</i> -Nitroaniline  | 100-01-6   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>p</i> -Nitrochlorobenzene  | 100-00-5   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| 1-Nitropropane  | 108-03-2   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| 2-Nitropropane  | 79-46-9    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>m</i> -Nitrotoluene  | 99-08-1    | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| <i>o</i> -Nitrotoluene  | 88-72-2    | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>p</i> -Nitrotoluene  | 99-99-0    | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |
| Nonane  | 111-84-2   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Pentane   | 109-66-0   | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Phenyldiazine   | 100-63-0   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Propylene glycol dinitrate  | 6423-43-4  | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Sodium bisulfite  | 7631-90-5  | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Sodium metabisulfite  | 7681-57-4  | § 716.20(b)(3) applies              | 1/26/94        | 6/30/98     |
| Tetrahydrofuran   | 109-99-9   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| <i>m</i> -Toluidine   | 108-44-1   | § 716.20(b)(3) applies              | 3/11/94        | 6/30/98     |
| Vinylidene chloride   | 75-35-4    | § 716.20(b)(3) and<br>(b)(4) apply. | 8/4/95         | 6/30/98     |

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| Vinyl toluene .....   | 25013-15-4 .....    | § 716.20(b)(3) applies | 3/11/94 .....  | 6/30/98     |
| p-Xylene .....  | 106-42-3 .....      | § 716.20(b)(3) applies | 1/26/94 .....  | 6/30/98     |
| Xylidine .....  | 1300-73-8 .....     | § 716.20(b)(3) applies | 3/11/94 .....  | 6/30/98     |
| Propylene glycol ethers and esters:                             |                     |                        |                |             |
| Dipropylene glycol .....  | 110-96-5 .....      | .....                  | 1/26/94 .....  | 12/19/95    |
| Dipropylene glycol butyl ether .....                            | 29911-28-2 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Dipropylene glycol monomethyl ether acetate.                    | 88917-22-0 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| 1-(2-Methoxy-1-methylethoxy)-2-propanol.                        | 20324-32-7 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Methoxy-1-propanol .....  | 28677-93-2 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| 1-Phenoxy-2-propanol .....                                      | 770-35-4 .....      | .....                  | 1/26/94 .....  | 12/19/95    |
| Propylene glycol monobutyl ether .....                          | 29387-86-8 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Propylene glycol monomethyl ether acetate.                      | 108-65-6 .....      | .....                  | 1/26/94 .....  | 12/19/95    |
| Propylene glycol mono-tert-butyl ether                          | 57018-52-7 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Tripropylene glycol diacrylate .....                            | 42978-66-5 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Tripropylene glycol methyl ether .....                          | 20324-33-8 .....    | .....                  | 1/26/94 .....  | 12/19/95    |
| Siloxanes:  |                     |                        |                |             |
| Cyclopolydimethylsiloxane .....                                 | 69430-24-6 .....    | .....                  | 10/12/93 ..... | 06/30/98    |
| Decamethylcyclopentasiloxane .....                              | 541-02-6 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Decamethyltetrasiloxane .....                                   | 141-62-8 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethyldiphenylsiloxane .....                                  | 68083-14-7 .....    | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethylhydropolysiloxane .....                                 | 68037-59-2 .....    | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethylmethyl 3,3,3-trifluoropropyl siloxane.                  | 115361-68-7 .....   | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethylmethylvinylsiloxane .....                               | 67762-94-1 .....    | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethylpolysiloxanes .....                                     | 68037-74-1 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Dimethyl silicones and siloxanes .....                          | 63148-62-9 .....    | .....                  | 10/12/93 ..... | 06/30/98    |
| Dimethyl silicones and siloxane, reaction products with silica. | 67762-90-7 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Docosamethylcycloundecasiloxane .....                           | 18766-38-6 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Docosamethyldeasiloxane .....                                   | 556-70-7 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Dodecamethylcyclohexasiloxane .....                             | 540-97-6 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Dodecamethylpentasiloxane .....                                 | 141-63-9 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Dotriacontamethyleicosasiloxane .....                           | 150027-00-2 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Dotriacontamethylcyclohexadecasiloxane.                         | 150026-95-2 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Dotriacontamethylpentadecasiloxane .....                        | 2471-11-6 .....     | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Eicosamethylcyclodecasiloxane .....                             | 18772-36-6 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Eicosamethylnonasiloxane .....                                  | 2652-13-3 .....     | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexacosamethylcyclotridecasiloxane .....                        | 23732-94-7 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexacosamethyldodecasiloxane .....                              | 2471-08-1 .....     | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexadecamethylcyclooctasiloxane .....                           | 556-68-3 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexadecamethylheptasiloxane .....                               | 541-01-5 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexamethylcyclotrisiloxane .....                                | 541-05-9 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Hexamethyldisilazane .....                                      | 999-97-3 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Hexamethyldisiloxane .....                                      | 107-46-0 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Hexatriacontamethylcyclooctadecasiloxane.                       | 23523-12-8 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Hexatriacontamethylheptadecasiloxane                            | 18844-04-7 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Methylpolysiloxane .....  | 9004-73-3 .....     | .....                  | 10/12/93 ..... | 06/30/98    |
| Methylvinylcyclosiloxane .....                                  | 2554-06-5 .....     | .....                  | 10/12/93 ..... | 06/30/98    |
| Siloxanes and silicones, di-Me, hydroxy-terminated.             | 70131-67-8 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octacosamethylcyclotetradecasiloxane                            | 149050-40-8 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octacosamethyltridecasiloxane .....                             | 2471-09-2 .....     | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octadecamethylcyclononasiloxane .....                           | 556-71-8 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octadecamethyloctasiloxane .....                                | 556-69-4 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octamethyltrisiloxane .....                                     | 107-51-7 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Octaphenylcyclotetrasiloxane .....                              | 546-56-5 .....      | .....                  | 10/12/93 ..... | 06/30/98    |
| Octatriacontamethylcyclononadecasiloxane.                       | 150026-97-4 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Octatriacontamethyloctadecasiloxane .....                       | 36938-52-0 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Polymethyloctadecylsiloxane .....                               | not available ..... | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetracontamethylcycloeicosasiloxane .....                       | 150026-98-5 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetracontamethylnonadecasiloxane .....                          | 150026-99-6 .....   | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetracosamethylcyclododecasiloxane .....                        | 18919-94-3 .....    | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetracosamethylundecasiloxane .....                             | 107-53-9 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetradecamethylcycloheptasiloxane .....                         | 107-50-6 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetradecamethylhexasiloxane .....                               | 107-52-8 .....      | § 716.20(b)(2) applies | 10/12/93 ..... | 06/30/98    |
| Tetramethylcyclotetrasiloxane .....                             | 2370-88-9 .....     | .....                  | 10/12/93 ..... | 06/30/98    |
| Tetramethyldivinylsiloxane .....                                | 2627-95-4 .....     | .....                  | 10/12/93 ..... | 06/30/98    |
| Tetriacontamethylcycloheptadecasiloxane.                        | 150026-96-3 .....   | .....                  | 10/12/93 ..... | 06/30/98    |

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| Tetraacontamethylhexadecasiloxane   | 36938-50-8 | § 716.20(b)(2) applies | 10/12/93       | 06/30/98    |
| Triacontamethylcyclopentadecasiloxane   | 23523-14-0 | § 716.20(b)(2) applies | 10/12/93       | 06/30/98    |
| Triacontamethyltetradecasiloxane  | 2471-10-5  | § 716.20(b)(2) applies | 10/12/93       | 06/30/98    |
| Trifluoropropylmethylcyclotrisiloxane   | 2374-14-3  |                        | 10/12/93       | 06/30/98    |
| Substantially produced chemicals in need of subchronic tests:                     |            |                        |                |             |
| Acetoacetanilide  | 102-01-2   |                        | 9/30/91        | 12/19/95    |
| 4-(Acetylamino)benzenesulfonyl chloride   | 121-60-8   |                        | 9/30/91        | 6/30/98     |
| 2-(2-Aminoethoxy)-ethanol   | 929-06-6   |                        | 6/30/92        | 6/30/98     |
| 7-Amino-4-hydroxy-2-naphthalenesulfonic acid                                      | 87-02-5    |                        | 9/30/91        | 12/19/95    |
| Ammonium carbamate  | 1111-78-0  |                        | 9/30/91        | 12/19/95    |
| 1,3-Benzenedisulfonic acid  | 98-48-6    |                        | 9/30/91        | 12/19/95    |
| Bis(2-ethylhexyl)-2-butenedioate  | 142-16-5   |                        | 9/30/91        | 12/19/95    |
| Bromamine acid  | 116-81-4   |                        | 9/30/91        | 12/19/95    |
| Butyric anhydride   | 106-31-0   |                        | 9/30/91        | 12/19/95    |
| Ethanol, 2-(2-ethoxyethoxy)-, acetate   | 112-15-2   |                        | 9/30/91        | 6/30/98     |
| 1,2-Dichlorobutane  | 616-21-7   |                        | 9/30/91        | 12/19/95    |
| 3,4-Dichlorobutene  | 760-23-6   |                        | 9/30/91        | 12/19/95    |
| 3,4-Dichloronitrobenzene  | 99-54-7    |                        | 9/30/91        | 6/30/98     |
| 1,3-Dicyanobenzene  | 626-17-5   |                        | 9/30/91        | 6/30/98     |
| Diethylene glycol dimethyl ether  | 111-96-6   |                        | 9/30/91        | 6/30/98     |
| 4-Ethoxynitrobenzene  | 100-29-8   |                        | 9/30/91        | 6/30/98     |
| 2-Ethylantraquinone   | 84-51-5    |                        | 9/30/91        | 12/19/95    |
| Hexa(methoxymethyl) melamine  | 3089-11-0  |                        | 9/30/91        | 6/30/98     |
| 3-Hydroxy-2-naphthoic acid  | 92-70-6    |                        | 9/30/91        | 12/19/95    |
| Isobutyl acrylate   | 106-63-8   |                        | 9/30/91        | 12/19/95    |
| Isophthaloyl chloride   | 9-63-8     |                        | 9/30/91        | 12/19/95    |
| 4-Methyl-2-nitro-phenol   | 119-33-5   |                        | 9/30/91        | 6/30/98     |
| 2-(4-Morpholinylidithio)-benzothiazole  | 95-32-9    |                        | 9/30/91        | 12/19/95    |
| Naphthalenedicarboxylic anhydride   | 81-84-5    |                        | 9/30/91        | 6/30/98     |
| 1-Naphthol  | 90-15-3    |                        | 9/30/91        | 12/19/95    |
| p,p'-Oxybis(benzenesulfonylhydrazide)   | 80-51-3    |                        | 9/30/91        | 6/30/98     |
| 2,4-Pentanedione  | 123-54-6   |                        | 9/30/91        | 12/19/95    |
| Perfluoro-N-hexane  | 355-42-0   |                        | 9/30/91        | 12/19/95    |
| Perfluorotributylamine  | 311-89-7   |                        | 9/30/91        | 12/19/95    |
| Propanoic anhydride   | 123-62-6   |                        | 9/30/91        | 12/19/95    |
| Quinacridone  | 1047-16-1  |                        | 9/30/91        | 12/19/95    |
| Terephthaloyl chloride  | 100-20-9   |                        | 9/30/91        |             |
| Trichloromethanesulfonyl chloride   | 594-42-3   |                        | 9/30/91        | 6/30/98     |
| Triethylene glycol bis(2-ethylhexanoate)  | 94-28-0    |                        | 9/30/91        | 12/19/95    |
| Sulphones:  |            |                        |                |             |
| 2-Amino-4-[(2-hydroxyethyl)sulfonyl]phenol  | 17601-96-6 |                        | 9/30/91        | 12/19/95    |
| 2-Amino-4-(methylsulfonyl)phenol  | 98-30-6    |                        | 9/30/91        | 12/19/95    |
| 2-[(6-Amino-2-naphthalenyl)sulfonyl]ethanol                                       | 52218-35-6 |                        | 9/30/91        | 12/19/95    |
| 2-[(3-Aminophenyl)sulfonyl]ethanol  | 5246-57-1  |                        | 9/30/91        | 12/19/95    |
| Bisphenol S   | 80-09-1    |                        | 9/30/91        | 12/19/95    |
| 3-(Decyloxy)tetrahydrothiophene 1,1-dioxide                                       | 18760-44-6 |                        | 9/30/91        | 12/19/95    |
| 4,4'-Diaminodiphenyl sulfone  | 80-08-0    |                        | 9/30/91        | 12/19/95    |
| 4-[4-(2,6-Dichloro-4-nitrophenyl)azo]phenyl]thiomorpholine, 1,1-dioxide           | 17741-62-7 |                        | 9/30/91        | 12/19/95    |
| 1-(Diiodomethyl)sulfonyl-4-methyl benzene   | 20018-09-1 |                        | 9/30/91        | 12/19/95    |
| Dimethylsulfone   | 67-71-0    |                        | 9/30/91        | 12/19/95    |
| Diphenylsulfone   | 127-63-9   |                        | 9/30/91        | 12/19/95    |
| 3-[N-Ethyl-4-[[6-(methylsulfonyl)-2-benzothiazolyl]azo]-m-toluidino]propionitrile | 16588-67-3 |                        | 9/30/91        | 12/19/95    |
| 1,1'-[Methylenebis(sulfonyl)]bis-2-chloroethane                                   | 41123-59-5 |                        | 9/30/91        | 12/19/95    |
| 2,2'-[Methylenebis(sulfonyl)]bisethanol   | 41123-69-7 |                        | 9/30/91        | 12/19/95    |
| 1,1'-[Methylenebis(sulfonyl)]bisethene  | 3278-22-6  |                        | 9/30/91        | 12/19/95    |
| 6-Methylsulfonyl-2-benzothiazolamine  | 17557-67-4 |                        | 9/30/91        | 12/19/95    |
| 2-[(3-Nitrophenyl)sulfonyl]ethanol  | 41687-30-3 |                        | 9/30/91        | 12/19/95    |
| 1,1'-[Oxybis(methylenesulfonyl)]bis-2-chloroethane                                | 53061-10-2 |                        | 9/30/91        | 12/19/95    |
| 2,2'-[Oxybis(methylenesulfonyl)]bisethanol  | 36724-43-3 |                        | 9/30/91        | 12/19/95    |



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| 1,1'-[Oxybis(methylenesulfonyl)] bisethene.   | 26750-50-5 .....  | .....              | 9/30/91 .....      | 12/19/95          |
| 4-[4-(Phenylmethoxy)phenyl]sulfonyl phenol.   | 63134-33-8 .....  | .....              | 9/30/91 .....      | 12/19/95          |
| 4-Phenylthiomorpholine, 1,1-dioxide .....   | 17688-68-5 .....  | .....              | 9/30/91 .....      | 12/19/95          |
| Sulfolane .....   | 126-33-0 .....    | .....              | 9/30/91 .....      | 12/19/95          |
| 3-Sulfolene .....   | 77-79-2 .....     | .....              | 9/30/91 .....      | 12/19/95          |
| Sulfonyl bis(4-chlorobenzene) .....   | 80-07-9 .....     | .....              | 9/30/91 .....      | 12/19/95          |
| 2,2'-Sulfonyl bisethanol .....  | 2580-77-0 .....   | .....              | 9/30/91 .....      | 12/19/95          |
| Voluntary HPV Challenge Program orphan (un-sponsored) chemicals:  |                   |                    |                    |                   |
| Acetaldehyde, reaction products with formaldehyde, by-products from.  | 68442-60-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Acetamide, 2,2-dichloro-N,N-di-2-propenyl-.   | 37764-25-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Acid chlorides, tallow, hydrogenated .....  | 68955-37-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Alkanes, chloro .....   | 61788-76-9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Alkenes, C>10 .alpha.- .....  | 64743-02-8 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with sodium 3-chloro-2-hydroxypropanesulfonate.            | 70851-08-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Amides, tail-oil fatty, N,N-di-Me .....   | 68308-74-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Anthracene oil .....  | 90640-80-5 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Aromatic hydrocarbons, C8, o-xylene-lean.   | 68650-36-2 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich.   | 68955-76-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Barium, carbonate nonylphenol complexes.  | 68515-89-9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzaldehyde, 3-bromo- .....  | 3132-99-8 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzaldehyde, 3-phenoxy- .....  | 39515-51-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzaldehyde, 4-(1,1-dimethylethyl)- .....  | 939-97-9 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenamine, 2,6-diethyl-N-methylene-   | 35203-08-8 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenamine, 2-ethyl-6-methyl-N-methylene-  | 35203-06-6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenamine, 3-(trifluoromethyl)- .....   | 98-16-8 .....     | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenamine, N,N-dimethyl- .....  | 121-69-7 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenamine, N-phenyl-4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]-, monohydrochloride. | 2152-64-9 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, (2-chloro-1,1-dimethylethyl)-  | 515-40-2 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-(bromomethyl)-3-phenoxy-   | 51632-16-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis-  | 104-66-5 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1,1'-oxybis-, tetrapropylene derivs..  | 119345-02-7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1,2-dimethyl-3-nitro- .....  | 83-41-0 .....     | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-bromo-4-fluoro- .....  | 460-00-4 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-chloro-2,4-dinitro- .....  | 97-00-7 .....     | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-chloro-4-(trichloromethyl)- .....  | 5216-25-1 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-chloro-4-(trifluoromethyl)- .....  | 98-56-6 .....     | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, 1-methoxy-4-methyl- .....  | 104-93-8 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| Benzene, chloromethyl- .....   | 25168-05-2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, ethenylethyl- .....   | 28106-30-1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, ethylenated .....   | 68987-41-7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzene, mixed with toluene, dealkylation product.   | 68953-80-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester.  | 138-25-0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt.                             | 3965-55-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester.   | 84-69-5 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,4-Benzenedicarboxylic acid, dimethyl ester, manuf. of, by-products from.                           | 68988-22-7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenemethanol, .alpha.,.alpha.-dimethyl-.  | 617-94-7 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenemethanol, 3-phenoxy- .....  | 13826-35-2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenesulfonic acid, 3-nitro-, sodium salt.   | 127-68-4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt.   | 38185-06-7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine.                            | 68584-25-8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenesulfonic acid, dimethyl- .....  | 25321-41-9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzenesulfonyl chloride .....   | 98-09-9 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide.   | 81-07-2 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzoic acid, 2-methyl- .....  | 118-90-1 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene, 1,9-dihydro-1,9-dioxo-.           | 17976-43-1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzothiazole, 2-[(chloromethyl)thio]- ...   | 28908-00-1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Benzoyl chloride, 3,5-dichloro- .....  | 2905-62-6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,2-Butadiene .....  | 590-19-2 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium.  | 40876-98-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Butanol, sodium salt .....   | 2372-45-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenal .....  | 4170-30-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenediamide, (2E)-, N,N'-bis[2-(4,5-dihydro-2-nortall-oil alkyl-1H-imidazol-1-yl)ethyl] derivs.. | 68442-77-3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenedioic acid (2E)-, di-C8-18-alkyl esters.   | 68610-90-2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenedioic acid (2Z)-, dioctyl ester ..   | 2915-53-9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenenitrile, 2-methyl-, (2E)- .....  | 30574-97-1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Butenenitrile, 2-methyl-, (2Z)- .....  | 20068-02-4 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Carbamic acid, monoammonium salt ...   | 1111-78-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Carbamodithioic acid, monoammonium salt.   | 513-74-6 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Carbonochloridothioic acid, S-(phenylmethyl) ester.  | 37734-45-5 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Carbonodithioic acid, O-(1-methylethyl) ester, sodium salt.  | 140-93-2 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Carboxylic acids, di-, C4-11 .....   | 68937-72-4 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| Chromate(3-), bis[3-(hydroxy-kappa.O)-4-[[2-(hydroxy-kappa.O)-1-naphthalenyl]azo-kappa.N1]-7-nitro-1-naphthalenesulfonato(3-)]-, tri-sodium. | 57693–14–8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Coal, anthracite, calcined .....   | 68187–59–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Creosote .....   | 8001–58–9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Cyclohexane, oxidized, aq. ext., sodium salt.  | 68915–39–9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Cyclohexane, oxidized, non-acidic by-products, distn. lights.  | 68609–05–2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3-Cyclopentadiene .....  | 542–92–7 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Decane, 1-chloro- .....  | 1002–69–3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric acid.  | 68441–66–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Decene, sulfurized .....   | 72162–15–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Distillates (coal tar) .....   | 65996–92–1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Distillates (coal tar), heavy oils .....   | 90640–86–1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Distillates (coal tar), upper .....  | 65996–91–0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Distillates (petroleum), hydrofined lubricating-oil.   | 68782–97–8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Distillates, hydrocarbon resin prodn. higher boiling.  | 68602–81–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Disulfides, alkylaryl dialkyl diaryl, petroleum refinery spent caustic oxidn. products.  | 68334–01–0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Disulfides, C5–12-alkyl .....  | 68513–62–2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethane, 1,1,1-trimethoxy- .....  | 1445–45–0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro- .....  | 111–91–1 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethane, 1,1'-oxybis[2-chloro- .....  | 111–44–4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethane, 1,2-dichloro-, manuf. of, by-products from, distn. lights.   | 68608–59–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,2-Ethanediamine, N,N,N',N'-tetramethyl-  | 110–18–9 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanedioic acid, calcium salt (1:1) .....   | 563–72–4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,2-Ethanediol, dinitrate .....  | 628–96–6 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecenyl]amino]-, sodium salt.  | 137–20–2 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanimidothioic acid, N-hydroxy-, methyl ester.   | 13749–94–5 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanol, 2-(2-butoxyethoxy)-, sodium salt.   | 38321–18–5 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues.  | 68909–77–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower residues.  | 71077–05–9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanol, 2-[(4-aminophenyl)sulfonyl]-, hydrogen sulfate (ester).   | 2494–89–5 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethanol, 2-butoxy-, sodium salt .....  | 52663–57–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethene, hydrated, by-products from .....   | 68987–66–6 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Ethenesulfonic acid, sodium salt .....   | 3039–83–6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Extract oils (coal), tar base .....  | 65996–86–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| Extract residues (coal), tar oil alk. ....  | 65996-87-4 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Extract residues (coal), tar oil alk., naphthalene distn. residues.                                   | 73665-18-6 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Extracts, coal tar oil alk. ....  | 65996-83-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Fats and Glyceridic oils, vegetable, re-claimed.  | 68990-65-8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters.   | 68309-16-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine reaction by-products. | 68915-05-9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Fatty acids, tall-oil, reaction products with diethylenetriamine, acetates.                           | 68153-60-6 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Fatty acids, tall-oil, sulfonated, sodium salts.  | 68309-27-3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Formic acid, compd. with 2,2'[ethanol] (1:1).   | 24794-58-9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2,5-Furandione, dihydro-3-(octenyl)- ....   | 26680-54-6 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Glycine, N-(carboxymethyl)- .....   | 142-73-4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Glycine, N-(carboxymethyl)-, disodium salt.   | 928-72-3 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Glycine, N-methyl-, monosodium salt ...   | 4316-73-8 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Glycine, N-phenyl-, monopotassium salt  | 19525-59-8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Glycine, N-phenyl-, monosodium salt ...   | 10265-69-7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Hexacosanol .....   | 506-52-5 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Hexadecane, 1-chloro- .....   | 4860-03-1 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,4-Hexadiene .....   | 592-45-0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Hexanedioic acid, dihexyl ester .....   | 110-33-8 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation products.                    | 84501-86-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3-Hexanediol, 2-ethyl- .....  | 94-96-2 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,6-Hexanediol, distn. residues .....   | 68937-29-1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Hexenal, 2-ethyl- .....   | 645-62-5 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-   | 85-40-5 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Hydrocarbons, C12-20, catalytic alkylation by-products.   | 68919-17-5 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-  | 4035-89-6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3-Isobenzofurandione, 5-methyl- .....   | 19438-61-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Lard, oil, Me esters .....  | 68082-78-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Methanesulfonamide, N-[2-[(4-amino-3-methylphenyl)ethylamino]ethyl]-, sulfate (2:3).                  | 25646-71-3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Methanesulfonic acid, hydroxy-, monosodium salt.  | 870-72-4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Methanesulfonyl chloride .....  | 124-63-0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Methane, (2-hydroxy-4-methoxyphenyl)phenyl-   | 131-57-7 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Naphtha (petroleum), clay-treated light straight-run.   | 68527-22-0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt.                                  | 5460-09-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Naphthalenesulfonic acid, 2-amino- ..   | 81-16-3 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| 2-Naphthalenesulfonic acid, 6-[(2,4-diaminophenyl)azo]-3-[[4-[[7-[(2,4-diaminophenyl)azo]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]phenyl]amino]-3-sulfo-phenyl]azo]-4-hydroxy-, tri-sodium salt. | 6473–13–8 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Naphthalenol, 1,2,3,4-tetrahydro- .....   | 529–33–9 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1(2H)-Naphthalenone, 3,4-dihydro- .....   | 529–34–0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1H,3H-Naphtho[1,8-cd]pyran-1,3-dione .....  | 81–84–5 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-.  | 83864–02–2 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Octacosanol .....   | 557–61–9 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Octadecane, 1-chloro- .....   | 3386–33–2 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt.  | 25383–99–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Octadecanoic acid, 2-(hydroxymethyl)-2-[[[1-oxooctadecyl]oxy]methyl]-1,3-propanediyl ester.   | 28188–24–1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Octadecanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol.   | 68815–50–9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 9-Octadecenoic acid, 12-(acetyloxy)-, 1,2,3-propanetriyl ester, (9Z,9'Z,9'',12R,12'R,12'')-.  | 101–34–8 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Octane, 1-chloro- .....   | 111–85–3 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Octanesulfonyl chloride .....   | 7795–95–1 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Octanesulfonyl fluoride .....   | 40630–63–5 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Oxirane, [(2-methylphenoxy)methyl]- .....   | 2210–79–9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)-.  | 5026–74–4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Paraffin oils, chlorosulfonated, saponified.  | 68188–18–1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 3-Pentanone .....   | 96–22–0 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Pentene, 2,4,4-trimethyl- .....   | 107–39–1 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Pentene, 2,4,4-trimethyl- .....   | 107–40–4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, (1,1,3,3-tetramethylbutyl)- .....   | 27193–28–8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, (1-methylethyl)- .....  | 25168–06–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, 2-(1,1-dimethylethyl)-4-methyl- .....   | 2409–55–4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, 2,4-bis(1,1-dimethylpropyl)-6-[[2-nitrophenyl]azo]-.  | 52184–19–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-[[2-nitrophenyl]azo]-.  | 70693–50–4 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, 3-(diethylamino)- .....   | 91–68–9 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, 4-methyl-2-nitro- .....   | 119–33–5 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, isobutylrenated methylstyrenated.   | 68457–74–9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, methyl-, sodium salt .....  | 34689–46–8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, nonyl derivs. .....   | 68081–86–7 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenol, styrenated .....  | 61788–44–1 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phenols (petroleum) .....   | 64743–03–9 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| Phosphoramidothioic acid, O,O-dimethyl ester.   | 17321-47-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester.  | 56803-37-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters.  | 125997-20-8 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorochloridothioic acid, O,O-dimethyl ester.   | 2524-03-0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorochloridous acid, bis(4-nonylphenyl) ester.   | 63302-49-8 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorodichloridic acid, ethyl ester ..   | 1498-51-7 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters.  | 68187-41-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts.  | 68649-42-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorodithioic acid, O,O-dimethyl ester.   | 756-80-9 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorodithioic acid, O,O-dimethyl ester, sodium salt.  | 26377-29-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester. | 20227-53-6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Phosphorous acid, isooctyl diphenyl ester.  | 26401-27-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Piperazineethanol .....   | 25154-38-5 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Pitch, coal tar-petroleum .....   | 68187-57-5 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Propane, 2,2-dimethoxy- .....   | 77-76-9 .....     | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Propanenitrile, 3-(dimethylamino)- .....  | 1738-25-6 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt.  | 52556-42-0 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Propanoic acid, 2-bromo- .....  | 598-72-1 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester.  | 22527-63-5 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 2-Propenoic acid, 2-carboxyethyl ester  | 24615-84-7 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Pyridine, hydrochloride .....   | 628-13-7 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-.  | 2814-20-2 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Solvent naphtha (coal) .....  | 65996-79-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Sulfonic acids, petroleum .....   | 61789-85-3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tannins .....   | 1401-55-4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium sulfite.  | 72854-27-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tar oils, coal .....  | 65996-82-9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tar, coal, dried and oxidized .....   | 68918-16-1 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tar, coal, high-temp. ....  | 65996-89-6 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tar, coal, high-temp., high-solids .....  | 68990-61-4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Terpenes and Terpenoids, C10-30, distn. residues.   | 70084-98-9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1-Tetracosanol .....  | 506-51-4 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Tetradecane, 1-chloro- .....  | 2425-54-9 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-.   | 2691-41-0 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

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| Thiazole, 4-methyl- .....   | 693–95–8 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Thiourea .....  | 62–56–6 .....    | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5-Triazine, hexahydro-1,3,5-trinitro- .....                             | 121–82–4 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)- ..... | 3779–63–3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl- .....  | 5915–41–3 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5-Triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)- .....         | 139–40–2 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| 1,3,5-Triazine-2,4-diamine, 6-chloro-N-ethyl-N'-(1-methylethyl)- .....      | 1912–24–9 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Urea, (hydroxymethyl)- .....  | 1000–82–4 .....  | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Urea, N'-(3,4-dichlorophenyl)-N,N-dimethyl- .....                           | 330–54–1 .....   | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Urea, sulfate (1:1) .....   | 21351–39–3 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |
| Urea, sulfate (2:1) .....   | 17103–31–0 ..... | § 716.21(a)(7)     | September 29, 2006 | November 28, 2006 |

[53 FR 38645, Sept. 30, 1988]

EDITORIAL NOTE: FOR FEDERAL REGISTER citations affecting § 716.120, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

EFFECTIVE DATE NOTE: At 59 FR 14115, Mar. 25, 1994, in § 716.120 paragraph (d), the chemical substances under the category “propylene glycol ethers and esters” and all related dates, were stayed effective Mar. 25, 1994.

## PART 717—RECORDS AND REPORTS OF ALLEGATIONS THAT CHEMICAL SUBSTANCES CAUSE SIGNIFICANT ADVERSE REACTIONS TO HEALTH OR THE ENVIRONMENT

### Subpart A—General Provisions

- Sec.  
 717.1 Scope and compliance.  
 717.3 Definitions.  
 717.5 Persons subject to this part.  
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 717.12 Significant adverse reactions that must be recorded.  
 717.15 Recordkeeping requirements.  
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 717.19 Confidentiality.

AUTHORITY: 15 U.S.C. 2607(c).

SOURCE: 48 FR 38187, Aug. 22, 1983, unless otherwise noted.

### Subpart A—General Provisions

#### § 717.1 Scope and compliance.

Section 8 (c) of the Toxic Substances Control Act (TSCA) requires manufac-

turers, processors, and distributors of chemical substances and mixtures:

(a) To keep “records of significant adverse reactions to health or the environment, as determined by the Administrator by rule, alleged to have been caused by the substance or mixture.”

(b) To “permit inspection and submit copies of such records”, upon request of any designated representative of the Administrator. This rule implements section 8(c) of TSCA. It describes the records to be kept and prescribes the conditions under which certain firms must submit or make the records available to a duly designated representative of the Administrator.

#### § 717.3 Definitions.

The definitions set forth in section 3 of TSCA and the following definitions apply to this part:

(a) *Allegation* means a statement, made without formal proof or regard for evidence, that a chemical substance or mixture has caused a significant adverse reaction to health or the environment.