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(d) *Processing and use information.* A submitter may assert a claim of confidentiality for each data element required by §711.15(b)(4) only if the linkage of the information with a reportable chemical substance is confidential and not publicly available. The following steps must be taken to assert a claim of confidentiality for each data element, individually, required by §711.15(b)(4):

(1) The submitter must submit with the report detailed written answers to the following questions signed and dated by an authorized official:

(i) Is the identified use of this chemical substance publicly known? For example, is information on the use available in advertisements or other marketing materials, professional journals or other similar materials, or in non-confidential mandatory or voluntary government filings or publications? Has your company ever provided use information on the chemical substance that was not claimed as confidential?

(ii) What harmful effect, if any, to your competitive position or to your customer's competitive position do you think would result from the information reported as required by §711.15(b)(4) and the chemical substance being disclosed in connection with reporting under this part? How could a competitor use such information? Would the effects of disclosure be substantial? What is the causal relationship between the disclosure and the substantial harmful effects?

(2) If any of the information contained in the answers to the questions listed in paragraph (d)(1) of this section is asserted to contain CBI, the submitter must clearly identify the information that is claimed confidential by marking the specific information on each page with a label such as "confidential business information," "proprietary," or "trade secret."

(e) *No claim of confidentiality.* If no claim of confidentiality is indicated on Form U submitted to EPA under this part; if Form U lacks the certification required by §711.15(b)(1); if confidentiality claim substantiation required under paragraphs (b), (c), and (d) of this section is not submitted with Form U; or if the identity of a chemical substance listed on the non-confidential

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portion of the Master Inventory File is claimed as confidential, EPA may make the information available to the public without further notice to the submitter.

§711.35 Electronic filing.

(a) You must use e-CDRweb to complete and submit Form U (EPA Form 7740-8). Submissions may only be made as set forth in this section.

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

(c) Access e-CDRweb and instructions, as follows:

(1) *By Web site.* Go to the EPA Inventory Update Reporting Internet homepage at <http://www.epa.gov/iur> and follow the appropriate links.

(2) *By phone or e-mail.* Contact the EPA TSCA Hotline at (202) 554-1404 or TSCA-Hotline@epa.gov for a CD-ROM containing the instructions.

PART 712—CHEMICAL INFORMATION RULES

Subpart A—General Provisions

Sec.

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

SOURCE: 47 FR 26998, June 22, 1982, unless otherwise noted.

Subpart A—General Provisions

§712.1 Scope and compliance.

(a) This part establishes procedures for chemical manufacturers and processors to report production, use, and exposure-related information on listed chemical substances. Subpart A establishes requirements that apply to all

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reporting under this part. Subpart B covers manufacturers' and processors' reporting.

(b) Chemical substances, mixtures, and categories of substances or mixtures which have been recommended by the Interagency Testing Committee for testing consideration by the Agency but not designated for Agency response within 12 months, will be added to § 712.30 using the procedure specified in § 712.30(c) only to the extent that the total number of designated and recommended chemicals has not exceeded 50 in any 1 year. Additional recommended but not designated chemicals may be added after proposal, and consideration of public comment.

[47 FR 26998, June 22, 1982, as amended at 50 FR 34809, Aug. 28, 1985; 60 FR 31921, June 19, 1995]

§ 712.3 Definitions.

The definitions in section 3 of TSCA, 15 U.S.C. 2602, apply for this part. In addition, the following definitions apply:

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

(b) *EPA* means the U.S. Environmental Protection Agency.

(c) *Import in bulk form* means to import a chemical substance (other than as part of a mixture or article) in any quantity, in cans, bottles, drums, barrels, packages, tanks, bags, or other containers used for purposes of transportation or containment, if the chemical substance has an end use or commercial purpose separate from the container.

(d) *Importer* means anyone who imports a chemical substance, including a chemical substance as part of a mixture or article, into the customs territory of the U.S. and includes the person liable for the payment of any duties on the merchandise, or an authorized agent on his behalf. 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 withdraw merchandise in a bonded warehouse has been transferred in accordance with subpart C of 19 CFR part 144. For the purposes of this definition, the customs territory of the U.S. consists of the 50 states, Puerto Rico, and the District of Columbia.

(e) *Impurity* means a chemical substance unintentionally present with another chemical substance or mixture.

(f) *Intermediate* means any chemical substance that is consumed, in whole or in part, in chemical reactions used for the intentional manufacture of other chemical substances or mixtures, or that is intentionally present for the purpose of altering the rates of such chemical reactions. (See also paragraph (j) of this section.)

(g) *Known to or reasonably ascertainable by* means all information in a person's possession or control, plus all information that a reasonable person similarly situated might be expected to possess, control, or know, or could obtain without unreasonable burden.

(h) *Manufacture for commercial purposes* means to import, produce, or manufacture 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:

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

(2) For use by the manufacturer, including use for product research and development, or as an intermediate. 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 coproducts that are separated from that other substance or mixture, and impurities that remain in that substance or mixture. Byproducts and impurities 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

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chemical produced for a commercial purpose.

(i) *Mixture* means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of a chemical reaction; except that *mixture* does include (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined, and if all of the chemical substances comprising the combination are included in the EPA, TSCA Chemical Substance Inventory after the effective date of the premanufacture notification requirement under 40 CFR part 720, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water. The term *mixture* includes alloys, inorganic glasses, ceramics, frits, and cements, including Portland cement.

(j) *Non-isolated intermediate* means any intermediate that is not intentionally removed from the equipment in which it is manufactured, including the reaction vessel in which it is manufactured, equipment which is ancillary to the reaction vessel, and any equipment through which the substance passes during a continuous flow process, but not including tanks or other vessels in which the substance is stored after its manufacture. (See also paragraph (f) of this section.)

(k) *Owned or controlled by the parent company* means the parent owns or controls 50 percent or more of the other company's voting stock or other equity rights, or has the power to control the management and policies of the other company.

(l) *Person* means any natural person, 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.

(m) *Process for commercial purposes* means the preparation of a chemical substance or mixture, after its manu-

facture, 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 or mixture containing impurities is processed for commercial purposes, then those impurities are also processed for commercial purposes.

(n) *Site* means a contiguous property unit. Property divided only by a public right-of-way shall be considered one site. There may be more than one manufacturing plant on a single site.

(o) *Test marketing* means distributing in commerce a limited amount of a chemical substance or mixture, or article containing such substance or mixture, to a defined number of potential customers, during a predetermined testing period, to explore market capability prior to broader distribution in commerce.

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

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

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

[47 FR 26998, June 22, 1982, as amended at 78 FR 72825, Dec. 4, 2013]

§712.5 Method of identification of substances for reporting purposes.

(a) *Report on TSCA-regulable quantities.* Unless specifically otherwise required, respondents must report only about quantities of a chemical that is defined as a chemical substance under TSCA section 3(2).

(b) *Chemicals from natural sources.* A manufacturer of a chemical substance which is extracted from an ore, from oil, or from any other natural source must report only about the manufacturing steps for, and the uses of, that chemical, not about production of the natural source material or other crude precursors derived from the natural source material.

For example, persons who manufacture a chemical substance such as "sweetened naphtha, 64741-87-3," but do not refine the

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naphtha to produce "hexane, 110-54-3" would not report on hexane. Only the production of "hexane" as an isolated product must be reported—not previous production of more crude, complex substances such as naphtha from which hexane is extracted. Thus, persons who produce crude oil, ores, and other crude natural materials, but do not carry them through further manufacturing steps that produce a listed chemical have no reporting responsibilities under this Part. Note, however, that any method of extraction, refinement, or purification of a listed chemical substance is considered to be manufacturing for the purposes of this rule.

(c) *Chemical substances as marketed.* This part requires reporting about chemical substances as they are marketed or used in practice. The following preparations of a chemical substance must be reported as the substance itself, not as a mixture, since these preparations are regarded as the substance in practice.

(1) The chemical substance in aqueous solution.

(2) The chemical substance containing an additive (such as a stabilizer or other chemical) to maintain the integrity or physical form of the substance.

(3) The chemical substance in any grade of purity.

§ 712.7 Report of readily obtainable information for subparts B and C.

TSCA section 8(a) authorizes EPA to require persons to report information that is known to or reasonably ascertainable by them. For purposes of subpart B, however, a lesser standard applies. Companies must report information that is readily obtainable by management and supervisory employees responsible for manufacturing, processing, distributing, technical services, and marketing. Extensive file searches are not required.

[47 FR 26998, June 22, 1982, as amended at 60 FR 31921, June 19, 1995]

§ 712.15 Confidentiality.

(a) Any person submitting information under this part may assert business confidentiality claims for the information as described in the pertinent reporting form and its instructions. Any information covered by a claim will be disclosed by EPA only as pro-

vided in the procedures set forth at 40 CFR part 2.

(b) Persons must certify to the validity of a claim of confidentiality they make for information reported under this part, as specified on the reporting form.

(c) If no claim accompanies the information at the time it is submitted to EPA or if certification as to the claim is not made on the reporting form, EPA may place the information in an open file available to the public without further notice to the submitter.

Subpart B—Manufacturers Reporting—Preliminary Assessment Information

§ 712.20 Manufacturers and importers who must report.

Except as described in § 712.25, at the time a chemical substance is listed in § 712.3, the following persons must submit the "Manufacturer's Report—Preliminary Assessment Information" (as described in § 712.28) for each plant site at which they manufactured or imported the chemical substance during the reporting period specified in § 712.30:

(a) Persons who manufactured one or more of the chemical substances listed in § 712.30 for commercial purposes.

(b) Persons who imported in bulk form one or more of the chemical substances listed in § 712.30 for commercial purposes.

§ 712.25 Exempt manufacturers and importers.

(a) Persons who manufactured or imported the chemical substance during the reporting period, solely for purposes of scientific experimentation, analysis, or research, including research or analysis for product development, are not subject to reporting under § 712.20.

(b) Persons who, during the reporting period, manufactured or imported fewer than 500 kilograms (1100 pounds) of the chemical substance at a single plant site are not subject to reporting for that site under § 712.20.

(c) Persons who qualify as small manufacturers or importers in respect to a specific chemical substance listed

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in § 712.30 are exempt. However, this exemption does not apply with respect to any chemical in § 712.30 designated by an asterisk. A manufacturer is qualified as small and is exempt from submitting a report under this subpart for a chemical substance manufactured at a particular plant site if both of the following criteria are met:

(1) Total annual sales taken together of all sites owned or controlled by the foreign or domestic parent company were below \$30 million for the reporting period;

(2) Total production of the listed substance for the reporting period was below 45,400 kilograms (100,000 pounds) at the plant site.

(d) Persons are not subject to reporting under § 712.20 if they manufactured or imported the chemical substance during the reporting period only in the following forms:

(1) As a byproduct that was not used or sold or that was formed as described in 40 CFR 710.4(d) (3) through (7).

(2) As a non-isolated intermediate.

(3) As an impurity.

[47 FR 26998, June 22, 1982; 47 FR 28382, June 30, 1982]

§ 712.28 Form and instructions.

(a) Manufacturers and importers subject to this subpart must submit a single EPA Form No. 7710-35, "Manufacturer's Report—Preliminary Assessment Information," for each plant site manufacturing or importing a chemical substance listed in § 712.30.

(b) Reporting companies may submit their reports through individual plant sites or company headquarters as they choose. A separate form must be submitted for each plant site manufacturing the chemical substance.

(c) Persons authorized to report information under this subpart must include the following information on Form 7710-35, Manufacturer's Report—Preliminary Assessment Information (Manufacturer's Report):

(1) A certification as to the truth and accuracy of the information reported signed and dated by an authorized person located at the plant site or corporate headquarters of the respondent company.

(2) A confidentiality statement signed and dated by an authorized per-

son located at the plant site or corporate headquarters of the respondent company.

(3) The specific chemical name and Chemical Abstracts Service (CAS) Registry Number listed in 40 CFR 712.30.

(4) The name, company, address, city, State, ZIP code, and telephone number of a person who is submitting the form, which may be a person located at a plant site or corporate headquarters that will serve as the respondent, and will be able to answer questions about the information submitted by the company to EPA. A respondent to this subpart must include the appropriate Dun and Bradstreet Number for each plant site reported.

(5) The plant site activities, such as the manufacturing of a chemical substance, including the total quantity of the chemical substance (in kilograms) imported in bulk during the reporting period.

(6) The total number of workers and total worker-hours in each process category, which includes enclosed process, controlled release process, and open process.

(7) The information related to chemical substance processing by customers, including customers' use in industrial and consumer products, the market names under which the chemical substance is manufactured or imported, and the customer's process categories that are sold to customers for further processing.

(d) Persons must use the CISS tool to complete and submit Form 7710-35, Manufacturer's Report, and accompanying letters, 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>.

[47 FR 26998, June 22, 1982, as amended at 52 FR 20083, May 29, 1987; 53 FR 12523, Apr. 15, 1988; 60 FR 31921, June 19, 1995; 60 FR 34463, July 3, 1995; 71 FR 47126, Aug. 16, 2006; 78 FR 72825, Dec. 4, 2013]

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§ 712.30 Chemical lists and reporting periods.

(a)(1) Persons subject to this subpart B must submit a Preliminary Assessment Information Manufacturer's Report for each chemical substance or mixture that is listed or designated in this section.

(2) Unless a respondent has already prepared a Manufacturer's Report in conformity with conditions set forth in paragraph (a)(3) of this section, the information in each Manufacturer's Report must cover the respondent's latest complete corporate fiscal year as of the effective date. The effective date will be 30 days after the FEDERAL REGISTER publishes a rule amendment making the substance or mixture subject to this subpart B.

(3) Persons subject to this subpart B need not comply with the requirements of paragraph (a)(2) of this section if they meet either one of the following conditions:

(i)(A) The respondent has previously and voluntarily provided EPA with a Manufacturer's Report on a chemical substance or mixture subject to subpart B of this part, which contains data for a 1-year period ending no more than 3 years prior to the effective date described in paragraph (a)(2) of this section. Respondents meeting this condition must notify EPA by letter of their desire to have the voluntary submission used in lieu of a current data submission and must verify the completeness and current accuracy of the voluntarily submitted data. Such letters, sent in accordance with the method specified in § 712.28(d) to EPA, must contain the following language:

I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate. I agree to permit access to, and the copying of records by, a duly authorized representative of the EPA Administrator, in accordance with the Toxic Substances Control Act, to document any information reported on the form.

(B) Notification letters must be submitted in accordance with the method specified in § 712.28(d) prior to the reporting deadline.

(ii)(A) The respondent has previously submitted a Manufacturer's Report on a chemical substance or mixture sub-

ject to subpart B of this part to the Interagency Testing Committee, but not to EPA, and that Manufacturer's Report contained data for a 1-year period ending less than 3 years prior to the effective date described in paragraph (a)(2) of this section. Respondents meeting this condition must submit a copy of the Manufacturer's Report, in accordance with the method specified in § 712.28(d) to EPA, and must submit an accompanying letter, also in accordance with the methods specified in § 712.28(d), notifying EPA of the respondent's intent that the submission be used in lieu of a current Manufacturer's Report. The notification letter must verify the completeness and current accuracy of the voluntarily submitted data. Such a letter must contain the following language:

I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate. I agree to permit access to, and the copying of records by, a duly authorized representative of the EPA Administrator, in accordance with the Toxic Substances Control Act, to document any information reported on the form.

(B) The submission must be made prior to the reporting deadline.

(b) Except as provided in paragraph (c) of this section, chemical substances and designated mixtures will be added after a notice of proposed amendment of this subpart is published in the FEDERAL REGISTER. There will be a 30 day public comment period on each notice; after consideration of the comments, a final amendment will identify the substances and mixtures added.

(c)(1) Chemical substances, mixtures, and categories of substances or mixtures that have been added by the Interagency Testing Committee, established under section 4(e) of TSCA, to the section 4(e) Priority List, for testing consideration by the Agency, will be added to this section 30 days after EPA issues for publication in the FEDERAL REGISTER a rule amendment listing these chemical substances, mixtures and categories. A Preliminary Assessment Information—Manufacturer's Report must be submitted for each chemical substance and mixture within 60 days after the effective date of the

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listing. At the discretion of the Assistant Administrator for Chemical Safety and Pollution Prevention, a listed substance, mixture or category may be withdrawn, for good cause, from the rule's reporting requirements prior to the effective date. Any information submitted showing why a substance, mixture or category should be removed from the rule must be received by EPA within 14 days after the date of publication of the notice under this paragraph. If a substance, mixture or category is removed, a FEDERAL REGISTER notice announcing this decision will be published no later than the effective date of the amendment.

(2) You must submit the information using the method specified in § 712.28(d).

(d) Manufacturers and importers of the substances listed below must submit a Preliminary Assessment Information Manufacturer's Report for each site at which they manufacture or import each substance by the reporting date shown in the table below. The substances are listed in Chemical Abstracts Service Registry Number order. Typically EPA lists the trivial or common name first, then, following the symbol '- ', EPA lists the substance by its TSCA Chemical Substance Inventory name. Whenever EPA lists a single name, the name may be either the TSCA Chemical Substance Inventory name, a trivial name, or a common name. Generally, when a single name is listed, it is the TSCA Chemical Substances Inventory name.

CAS No.	Substance	Effective date	Reporting date
78-10-4	Ethyl silicate	8/23/00	10/23/00
90-30-2	N-Phenyl-1-naphthylamine	9/30/91	11/27/91
100-40-3	4-Vinylcyclohexene	1/11/90	3/12/90
108-95-5	Thiophenol	1/26/94	3/28/94
109-87-5	Methylal	8/23/00	10/23/00
118-79-6	2,4,6-tribromophenol	1/11/90	3/12/90
133-49-3	Pentachlorothiophenol	8/27/01	10/24/01
136-35-6	1-Triazene, 1,3-diphenyl-	7/11/03	9/9/03
143-33-9	Sodium cyanide	10/29/90	12/27/90
496-46-8	Glycoluril	8/23/00	10/23/00
632-79-1	Tetrabromophthalic anhydride	1/11/90	3/12/90
637-92-3	Ethyl tert-butyl ether	12/28/94	2/27/95
994-05-8	Tert-amyl methyl ether	12/28/94	2/27/95
1163-19-5	Decabromodiphenyl ether	1/11/90	3/12/90
1198-55-6	Tetrachloropyrocatechol	8/27/01	10/24/01
1806-24-2	p-toluidine, 5-chloro- α,α,α -trifluoro-2-nitro-N-phenyl-	8/27/01	10/24/01
3194-55-6	Hexabromocyclododecane	1/11/90	3/12/90
3278-89-5	Benzene, 1,3,5-tribromo-(2-propenyloxy)-	7/11/03	9/9/03
3296-90-0	Dibromoneopentyl glycol	1/11/90	3/12/90
12185-10-3	White phosphorus	1/26/94	3/28/94
16691-43-3	3-Amino-5-mercapto-1,2,4-triazole	8/23/00	10/23/00
29091-20-1	Benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-	7/11/03	9/9/03
32534-81-9	Pentabromodiphenyl ether	1/11/90	3/12/90
32536-52-0	Octabromodiphenyl ether	1/11/90	3/12/90
32588-76-4	Ethylene Bis-(tetrabromophthalimide)	1/11/90	3/12/90
37853-59-1	1,2-Bis(tribromophenoxy) ethane	1/11/90	3/12/90
41291-34-3	Ethylene bis(5,6-dibromonorbornane-2,3-dicarboximide)	1/11/90	3/12/90
52907-07-0	Ethylene bis(5,6-dibromonorbornane-2,3-dicarboximide)	1/26/94	3/28/94
57137-10-7	Tribrominated polystyrene	1/11/90	3/12/90
61262-53-1	Ethylene bis(pentabromophenoxide)	1/11/90	3/12/90
68928-76-7	Stannane, dimethylbis[(1-oxoneodecyl)oxy]-	7/11/03	9/9/03
88185-22-2	Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, 2-ethoxy-1-methyl-2-oxoethyl ester.	8/27/01	10/24/01

(e) Manufacturers and importers of the substances listed below by category must submit a Preliminary Assessment Information Manufacturers Report for each site at which they manufacture or import each substance by the reporting date shown in the table below. The categories are listed in alphabetic order

with the chemical substances within each category listed by ascending numerical CAS number.

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CAS No.	Substance	Effective date	Reporting date
Aldehydes			
66-77-3	1-Naphthalenecarboxaldehyde	9/30/91	11/27/91
75-07-0	Acetaldehyde	9/30/91	11/27/91
75-87-6	Acetaldehyde, trichloro-	9/30/91	11/27/91
78-84-2	Propanal, 2-methyl-	9/30/91	11/27/91
78-85-3	2-Propenal, 2-methyl-	9/30/91	11/27/91
80-54-6	Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	9/30/91	11/27/91
84-83-3	Acetaldehyde, (1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene).		
89-98-5	Benzaldehyde, 2-chloro-	9/30/91	11/27/91
90-02-8	Benzaldehyde, 2-hydroxy-	9/30/91	11/27/91
93-02-7	Benzaldehyde, 2,5-dimethoxy-	9/30/91	11/27/91
93-53-8	Benzeneacetaldehyde, .alpha.-methyl-	9/30/91	11/27/91
95-01-2	Benzaldehyde, 2,4-dihydroxy-	9/30/91	11/27/91
97-51-8	Benzaldehyde, 2-hydroxy-5-nitro-	9/30/91	11/27/91
98-01-1	2-Furancarboxaldehyde	9/30/91	11/27/91
98-03-3	2-Thiophenecarboxaldehyde	9/30/91	11/27/91
100-10-7	Benzaldehyde, 4-(dimethylamino)-	9/30/91	11/27/91
100-50-5	3-Cyclohexene-1-carboxaldehyde	9/30/91	11/27/91
100-52-7	Benzaldehyde	9/30/91	11/27/91
101-39-3	2-Propenal, 2-methyl-3-phenyl-	9/30/91	11/27/91
101-86-0	Octanal, 2-(phenylmethylene)-	9/30/91	11/27/91
103-95-7	Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	9/30/91	11/27/91
104-09-6	Benzeneacetaldehyde, 4-methyl-	9/30/91	11/27/91
104-55-2	2-Propenal, 3-phenyl-	9/30/91	11/27/91
104-87-0	Benzaldehyde, 4-methyl-	9/30/91	11/27/91
104-88-1	Benzaldehyde, 4-chloro-	9/30/91	11/27/91
106-23-0	6-Octenal, 3,7-dimethyl-	9/30/91	11/27/91
106-26-3	2,6-Octadienal, 3,7-dimethyl-, (Z)-	9/30/91	11/27/91
106-72-9	5-Heptenal, 2,6-dimethyl-	9/30/91	11/27/91
107-02-8	2-Propenal	9/30/91	11/27/91
107-20-0	Acetaldehyde, chloro-	9/30/91	11/27/91
107-22-2	Ethanedial	9/30/91	11/27/91
107-75-5	Octanal, 7-hydroxy-3,7-dimethyl-	9/30/91	11/27/91
110-41-8	Undecanal, 2-methyl-	9/30/91	11/27/91
110-62-3	Pentanal	9/30/91	11/27/91
111-30-8	Pentanedial	9/30/91	11/27/91
111-71-7	Heptanal	9/30/91	11/27/91
112-31-2	Decanal	9/30/91	11/27/91
112-44-7	Undecanal	9/30/91	11/27/91
112-45-8	10-Undecenal	9/30/91	11/27/91
112-54-9	Dodecanal	9/30/91	11/27/91
120-14-9	Benzaldehyde, 3,4-dimethoxy-	9/30/91	11/27/91
120-21-8	Benzaldehyde, 4-(diethylamino)-	9/30/91	11/27/91
120-57-0	1,3-Benzodioxole-5-carboxaldehyde	9/30/91	11/27/91
121-32-4	Benzaldehyde, 3-ethoxy-4-hydroxy-	9/30/91	11/27/91
121-33-5	Benzaldehyde, 4-hydroxy-3-methoxy-	9/30/91	11/27/91
122-40-7	Heptanal, 2-(phenylmethylene)-	9/30/91	11/27/91
122-78-1	Benzeneacetaldehyde	9/30/91	11/27/91
123-05-7	Hexanal, 2-ethyl-	9/30/91	11/27/91
123-08-0	Benzaldehyde, 4-hydroxy-	9/30/91	11/27/91
123-11-5	Benzaldehyde, 4-methoxy-	9/30/91	11/27/91
123-38-6	Propanal	9/30/91	11/27/91
124-13-0	Octanal	9/30/91	11/27/91
124-19-6	Nonanal	9/30/91	11/27/91
126-15-8	4a(4H)-Dibenzofurancarboxaldehyde, 1,5a,6,9,9a,9b-hexahydro-	9/30/91	11/27/91
135-02-4	Benzaldehyde, 2-methoxy-	9/30/91	11/27/91
141-27-5	2,6-Octadienal, 3,7-dimethyl-, (E)-	9/30/91	11/27/91
143-14-6	9-Undecenal	9/30/91	11/27/91
455-19-6	Benzaldehyde, 4-(trifluoromethyl)-	9/30/91	11/27/91
505-57-7	02-Hexenal	9/30/91	11/27/91
552-89-6	Benzaldehyde, 2-nitro-	9/30/91	11/27/91
590-86-3	Butanal, 3-methyl-	9/30/91	11/27/91
597-31-9	Propanal, 3-hydroxy-2,2-dimethyl-	9/30/91	11/27/91
939-97-9	Benzaldehyde, 4-(1,1-dimethylethyl)-	9/30/91	11/27/91
1121-60-4	2-Pyridinecarboxaldehyde	9/30/91	11/27/91
1200-14-2	Benzaldehyde, 4-butyl	9/30/91	11/27/91
1331-92-6	2-Propenal, 3-phenyl-, monopentyl deriv.	9/30/91	11/27/91
1334-78-7	Benzaldehyde, methyl-	9/30/91	11/27/91
1423-46-7	3-Cyclohexene-1-carboxaldehyde, 2,4,6-trimethyl-	9/30/91	11/27/91
1504-74-1	2-Propenal, 3-(2-methoxyphenyl)-	9/30/91	11/27/91
2591-86-8	1-Piperidinecarboxaldehyde	9/30/91	11/27/91
3132-99-8	Benzaldehyde, 3-bromo-	9/30/91	11/27/91

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Alkylphenols, Alkylphenol ethoxylates, and Polyalkylphenols			
3268-49-3	Propanal, 3-(methylthio)-	9/30/91	11/27/91
3613-30-7	Octanal, 7-methoxy-3,7-dimethyl-	9/30/91	11/27/91
4501-58-0	3-Cyclopentene-1-acetaldehyde, 2,2,3-trimethyl-	9/30/91	11/27/91
5435-64-3	Hexanal, 3,5,5-trimethyl-	9/30/91	11/27/91
5780-07-4	1,3-Benzodioxole-5-carboxaldehyde, 7-methoxy-	9/30/91	11/27/91
5949-05-3	6-Octenal, 3,7-dimethyl-, (S)-	9/30/91	11/27/91
5988-91-0	Octanal, 3,7-dimethyl-	9/30/91	11/27/91
10031-82-0	Benzaldehyde, 4-ethoxy-	9/30/91	11/27/91
13586-68-0	2-Propenal, 3- 4-(1,1-dimethylethyl)phenyl-2-methyl-	9/30/91	11/27/91
17754-90-4	Benzaldehyde, 4-(diethylamino)-2-hydroxy-	9/30/91	11/27/91
26266-68-2	Hexenal, 2-ethyl-	9/30/91	11/27/91
27939-60-2	3-Cyclohexene-1-carboxaldehyde, dimethyl-	9/30/91	11/27/91
28602-27-9	Benzaldehyde, (dimethylamino)-	9/30/91	11/27/91
31906-04-4	3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-	9/30/91	11/27/91
37677-14-8	3-Cyclohexene-1-carboxaldehyde, 4-(4-methyl-3-pentenyl)-	9/30/91	11/27/91
39515-51-0	Benzaldehyde, 3-phenoxy-	9/30/91	11/27/91
52475-86-2	3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methyl-3-pentenyl)-	9/30/91	11/27/91
66327-54-6	3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methylpentyl)-	9/30/91	11/27/91

Alkyl-, Chloro-, and Hydroxymethyl Diaryl Ethers			
3061–36–7	1,4-Diphenoxybenzene	04/12/93	06/10/93
3586–14–9	Benzene, 1-methyl-3-phenoxy-	04/12/93	06/10/93
13826–35–2	Benzenemethanol, 3-phenoxy-,	04/12/93	06/10/93
28299–41–4	Benzene, 1,1'-oxybis[methyl-	04/12/93	06/10/93
28984–89–6	1,1'-Biphenyl, phenoxy-	04/12/93	06/10/93
42874–96–4	2-Chloro-1-(3-methylphenoxy)-4-(trifluoromethyl)benzene	04/12/93	06/10/93
50594–77–9	Phenol, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, acetate	04/12/93	06/10/93
50789–44–1	Benzenemethanol, 3-phenoxy-, acetate	04/12/93	06/10/93
51632–16–7	Benzene, 1-(bromomethyl)-3-phenoxy-	04/12/93	06/10/93
61702–88–3	Benzene, 1,1'-oxybis[(1,1,3,3-tetramethylbutyl)-	04/12/93	06/10/93
63734–62–3	Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-,	04/12/93	06/10/93
69834–19–1	Benzene, 1,1'-oxybis[dodecyl-	04/12/93	06/10/93
72252–48–3	Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, potassium salt	04/12/93	06/10/93

Alkylphenols, Alkylphenol ethoxylates, and Polyalkylphenols			
80–46–6	4-tert-Pentylphenol	3/29/96	5/29/96
88–18–6	2-tert-Butylphenol	3/29/96	5/29/96
94–06–4	4-(1-Methylbutyl)phenol	3/29/96	5/29/96
98–54–4	4-tert-Butylphenol	3/29/96	5/29/96
99–71–8	4-sec-Butylphenol	3/29/96	5/29/96
104–40–5	4-Nonylphenol	3/29/96	5/29/96
104–43–8	4-Dodecylphenol	3/29/96	5/29/96
136–81–2	Phenol, 2-pentyl-	8/4/00	10/3/00
140–66–9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	8/4/00	10/3/00
949–13–3	2-Octylphenol	3/29/96	5/29/96
1300–16–9	Nonylphenol (mixed isomers)	3/29/96	5/29/96
1322–69–6	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
1331–57–3	Dodecylphenol (mixed isomers)	3/29/96	5/29/96
1638–22–8	4-n-Butylphenol	3/29/96	5/29/96
1806–26–4	4-Octylphenol	3/29/96	5/29/96
1987–50–4	Phenol, 4-heptyl-	8/4/00	10/3/00
2315–66–4	Decaethylene glycol 4-isooctylphenyl ether	3/29/96	5/29/96
2446–69–7	Phenol, 4-hexyl-	8/4/00	10/3/00
2497–58–7	Hexaethylene glycol 4-isooctylphenyl ether	3/29/96	5/29/96
2589–78–8	Phenol, 4-hexadecyl-	8/4/00	10/3/00
3180–09–4	2-Butylphenol	3/29/96	5/29/96
3279–27–4	Phenol, 2-(1,1-dimethylpropyl)-	8/4/00	10/3/00
3884–95–5	2-(1,1,3,3-Tetramethylbutyl)phenol	3/29/96	5/29/96
9002–93–1	Polyethylene glycol 4-(tert-octyl)phenyl ether	3/29/96	5/29/96
9004–87–9	Poly(oxy-1,2-ethanediyl), α-(isooctylphenyl)-ω-hydroxy-	8/4/00	10/3/00
9014–92–0	Poly(oxy-1,2-ethanediyl), α-(dodecylphenyl)-ω-hydroxy-	8/4/00	10/3/00
9036–19–5	Polyethylene glycol mono(octyl)phenyl ether	3/29/96	5/29/96
9063–89–2	Poly(oxy-1,2-ethanediyl), α-(octylphenyl)-ω-hydroxy-	8/4/00	10/3/00
11066–49–2	Isononylphenol (mixed isomers)	3/29/96	5/29/96
14938–35–3	4-Pentylphenol	3/29/96	5/29/96
17404–66–9	4-(1-Methyloctyl)phenol	3/29/96	5/29/96
25154–52–3	Nonylphenol (mixed isomers)	3/29/96	5/29/96
25401–86–9	Phenol, 2-hexadecyl-	8/4/00	10/3/00
25735–67–5	Phenol, 4-sec-pentyl-	8/4/00	10/3/00
26401–47–8	Poly(oxy-1,2-ethanediyl), α-(4-dodecylphenyl)-ω-hydroxy-	8/4/00	10/3/00

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Alkylphenols, Alkylphenol ethoxylates, and Polyalkylphenols			
26401-74-1	Phenol, 2-sec-pentyl-	8/4/00	10/3/00
27157-66-0	Phenol, decyl-	8/4/00	10/3/00
27178-34-3	tert-Butylphenol (mixed isomers)	3/29/96	5/29/96
27193-28-8	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
27193-86-8	Dodecylphenol (mixed isomers)	3/29/96	5/29/96
27985-70-2	(1-Methylheptyl)phenol (mixed isomers)	3/29/96	5/29/96
29932-96-5	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
30105-54-5	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
31195-95-6	Isobutylphenol (mixed isomers)	3/29/96	5/29/96
54932-78-4	4-(2,2,3,3-Tetramethylbutyl)phenol	3/29/96	5/29/96
59911-95-4	Poly(oxy-1,2-ethanediyl), α -(4-hexadecylphenyl)- ω -hydroxy-	8/4/00	10/3/00
61723-87-3	Poly(oxy-1,2-ethanediyl), α -(tridecylphenyl)- ω -hydroxy-	8/4/00	10/3/00
62744-41-6	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
68081-86-7	Phenol, nonyl derivs.	8/4/00	10/3/00
68784-24-7	Phenol, C18-30-alkyl derivs.	8/4/00	10/3/00
68891-67-8	Phenol, polypropene derivs.	8/4/00	10/3/00
68908-55-4	Phenol, polybutene derivs.	8/4/00	10/3/00
68954-70-1	Phenol, polyethyl derivs.	8/4/00	10/3/00
68987-90-6	Poly(oxy-1,2-ethanediyl), α -(octylphenyl)- ω -hydroxy-, branched	3/29/96	5/29/96
70682-80-3	Phenol, tetradecyl-	8/4/00	10/3/00
71902-25-5	Phenol, octenylated	8/4/00	10/3/00
72624-02-3	Phenol, heptyl derivs.	8/4/00	10/3/00
74499-35-7	Phenol, (tetrapropenyl) derivs.	8/4/00	10/3/00
84605-25-4	Phenol, 1-methylhexyl derivs.	8/4/00	10/3/00
84852-15-3	Branched 4-nonylphenol (mixed isomers)	3/29/96	5/29/96
91672-41-2	Phenol, 2-nonyl-, branched	8/4/00	10/3/00
112375-88-9	Phenol, polyisobutylene derivs.	8/4/00	10/3/00
112375-89-0	Phenol, poly(2,4,4-trimethylpentene) derivs	8/4/00	10/3/00
Alkyl phosphates			
78-40-0	Phosphoric acid, triethyl ester	10/29/90	12/27/90
78-42-2	Phosphoric acid, tris(2-ethylhexyl)ester	10/29/90	12/27/90
78-51-3	Ethanol, 2-butoxy-, phosphate (3:1)	10/29/90	12/27/90
107-66-4	Phosphoric acid, dibutyl ester	10/29/90	12/27/90
126-71-6	Phosphoric acid, tris(2-methylpropyl) ester	10/29/90	12/27/90
126-73-8	Phosphoric acid tributyl ester	10/29/90	12/27/90
298-07-7	Phosphoric acid, bis(2-ethylhexyl)ester	10/29/90	12/27/90
812-00-0	Phosphoric acid, monomethyl ester	10/29/90	12/27/90
1070-03-7	Phosphoric acid, mono(2-ethylhexyl)ester	10/29/90	12/27/90
1498-51-7	Phosphorodichloridic acid, ethylester	10/29/90	12/27/90
1623-15-0	Phosphoric acid, monobutyl ester	10/29/90	12/27/90
1623-24-1	Phosphoric acid, mono(1-methylethyl)ester	10/29/90	12/27/90
2958-09-0	Phosphoric acid, mono-octadecyl ester	10/29/90	12/27/90
3900-04-7	Phosphoric acid, mono-hexyl ester	10/29/90	12/27/90
3991-73-9	Phosphoric acid, mono-octyl ester	10/29/90	12/27/90
7057-92-3	Phosphoric acid, didodecyl ester	10/29/90	12/27/90
7332-46-9	Ethanol, 2-(2-butoxyethoxy)-, phosphate (3:1)	10/29/90	12/27/90
12645-31-7	Phosphoric acid, 2-ethylhexyl ester	10/29/90	12/27/90
12751-23-4	Phosphoric acid, dodecyl ester	10/29/90	12/27/90
27215-10-7	Phosphoric acid, diisooctyl ester	10/29/90	12/27/90
Brominated flame retardants			
87-10-5	Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy-	10/29/90	12/27/90
87-83-2	Benzene, pentabromomethyl-	10/29/90	12/27/90
87-84-3	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	10/29/90	12/27/90
96-13-9	1-Propanol, 2,3-dibromo-	10/29/90	12/27/90
593-60-2	Ethene, bromo-	10/29/90	12/27/90
615-58-7	Phenol, 2,4-dibromo-	10/29/90	12/27/90
4162-45-2	Ethanol, 2,2'-((1-methylethylidene)bis((2,6-dibromo-4,1-phenylene)oxy))bis-	10/29/90	12/27/90
25327-89-3	Benzene, 1,1'-((1-methylethylidene)bis(3,5-dibromo-4-(2-propenyloxy))-	10/29/90	12/27/90
30554-72-4	Cyclohexane, tetrabromodichloro-	10/29/90	12/27/90
30554-73-5	Cyclohexane, tribromotrichloro-	10/29/90	12/27/90
36483-57-5	1-Propanol, 2,2-dimethyl-, tribromo deriv.	10/29/90	12/27/90
55205-38-4	2-Propenoic acid, (1-methylethylidene)bis(2,6-dibromo-4,1-phenylene) ester	10/29/90	12/27/90
68955-41-9	Alkanes, C10-18, bromochloro-	10/29/90	12/27/90
69882-11-7	Phenol, 2,4(or 2,6)-dibromo-, homopolymer	10/29/90	12/27/90
88497-56-7	Benzene, ethenyl-, homopolymer, brominated	10/29/90	12/27/90
Chloralkyl phosphates			
34621-99-3	1,2-Ethanediyltetrakis(2-chloro-1-methylethylene) phosphate	6/14/93	8/12/93

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Chloralkyl phosphates			
38051-10-4	2,2-Bis(chloromethyl)-1,3-propanediyltetrakis(2-chloroethyl) phosphate	6/14/93	8/12/93
53461-82-8	Oxydi-2,1-ethanediyltetrakis(2-chloroethyl) phosphate	6/14/93	8/12/93
76649-15-5	2-Chloro-1-methylethylbis(2-chloropropyl) phosphate.		
Cyanoacrylates			
137-05-3	2-Propenoic acid, 2-cyano-, methyl ester	1/26/94	3/28/94
1069-55-2	2-Propenoic acid, 2-cyano-, isobutyl ester	1/26/94	3/28/94
6197-30-4	2-Propenoic acid, 2-cyano-3,3-diphenyl-, 2-ethylhexyl ester	1/26/94	3/28/94
6606-65-1	2-Propenoic acid, 2-cyano-, butyl ester	1/26/94	3/28/94
7085-85-0	2-Propenoic acid, 2-cyano-, ethyl ester	1/26/94	3/28/94
7324-02-9	2-Propenoic acid, 2-cyano-, 2-propenyl ester	1/26/94	3/28/94
10586-17-1	2-Propenoic acid, 2-cyano-, 1-methylethyl ester	1/26/94	3/28/94
21982-43-4	2-Propenoic acid, 2-cyano-, ethoxyethyl ester	1/26/94	3/28/94
23023-91-8	2-Propenoic acid, 2-cyano-, 2,2,2-trifluoromethyl ester	1/26/94	3/28/94
27816-23-5	2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester	1/26/94	3/28/94
64992-16-1	Ethanaminium, 2-[[2-cyano-3-[4-(diethylamino)phenyl]-1-oxo-2-propenyl]oxy]- N,N,N-trimethyl-, chloride.	1/26/94	3/28/94
Indium Chemicals			
923-34-2	Triethylindium	8/27/01	10/24/01
1303-11-3	Indium arsenide	8/27/01	10/24/01
1312-41-0	Indium antimonide	8/27/01	10/24/01
1312-43-2	Indium (III) oxide	8/27/01	10/24/01
1312-45-4	Indium (III) telluride	8/27/01	10/24/01
4194-69-8	Indium (III) citrate	8/27/01	10/24/01
7440-74-6	Indium	8/27/01	10/24/01
7783-52-0	Indium (III) fluoride	8/27/01	10/24/01
10025-82-8	Indium (III) chloride	8/27/01	10/24/01
12018-95-0	Copper indium diselenide	8/27/01	10/24/01
12030-14-7	Indium (II) sulfide	8/27/01	10/24/01
12030-24-9	Indium (III) sulfide	8/27/01	10/24/01
12056-07-4	Indium selenide	8/27/01	10/24/01
12672-70-7	Indium chloride	8/27/01	10/24/01
12672-71-8	Indium oxide	8/27/01	10/24/01
13464-82-9	Indium (III) sulfate	8/27/01	10/24/01
13465-09-3	Indium (III) bromide	8/27/01	10/24/01
13465-10-6	Indium (I) chloride	8/27/01	10/24/01
13510-35-5	Indium (III) iodide	8/27/01	10/24/01
13709-93-8	Indium (III) borate	8/27/01	10/24/01
13770-61-1	Indium (III) nitrate	8/27/01	10/24/01
13966-94-4	Indium (I) iodide	8/27/01	10/24/01
14166-78-0	Indium (III) fluoride	8/27/01	10/24/01
14280-53-6	Indium (I) bromide	8/27/01	10/24/01
14405-45-9	Indium tris(acetylacetonate)	8/27/01	10/24/01
20661-21-6	Indium (III) hydroxide	8/27/01	10/24/01
22398-80-7	Indium (I) phosphide	8/27/01	10/24/01
25114-58-3	Indium (III) acetate	8/27/01	10/24/01
25617-98-5	Indium nitride	8/27/01	10/24/01
27765-48-6	Indium (III) tetrafluoroborate	8/27/01	10/24/01
50926-11-9	Indium tin oxide	8/27/01	10/24/01
55326-87-9	Indium hydroxide	8/27/01	10/24/01
66027-93-8	Indium (III) sulfamate	8/27/01	10/24/01
66027-94-9	Hydroxybis(trifluoroacetato-O)indium	8/27/01	10/24/01
67816-06-2	Indium (III) 2-ethylhexanoate	8/27/01	10/24/01
68310-35-0	Indium (III) neodecanoate	8/27/01	10/24/01
71243-84-0	Indium tin oxide (In _{1.60} Sn _{0.1502} O _{2.85})	8/27/01	10/24/01
IRIS Chemicals			
51-28-5	2,4 Dinitrophenol	9/30/91	11/27/91
95-65-8	3,4 Dinethylphenol	9/30/91	11/27/91
Isocyanates			
91-97-4	1,1'-Biphenyl, 4,4'-diisocyanato-3,3'-dimethyl-	10/29/90	12/27/90
100-28-7	Benzene, 1-isocyanato-4-nitro-	10/29/90	12/27/90
101-68-8	Benzene, 1,1'-methylenebis(4-isocyanato-	10/29/90	12/27/90
102-36-3	Benzene, 1,2-dichloro-4-isocyanato-	10/29/90	12/27/90
103-71-9	Benzene, isocyanato-	10/29/90	12/27/90
104-12-1	Benzene, 1-chloro-4-isocyanato-	10/29/90	12/27/90

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Isocyanates			
104-49-4	Benzene, 1,4-diisocyanato-	10/29/90	12/27/90
109-90-0	Ethane, isocyanato-	10/29/90	12/27/90
110-78-1	Propane, 1-isocyanato-	10/29/90	12/27/90
111-36-4	Butane, 1-isocyanato-	10/29/90	12/27/90
112-96-9	Octadecane, 1-isocyanato-	10/29/90	12/27/90
123-61-5	Benzene, 1,3-diisocyanato-	10/29/90	12/27/90
329-01-1	Benzene, 1-isocyanato-3-(trifluoromethyl)-	10/29/90	12/27/90
614-68-6	Benzene, 1-isocyanato-2-methyl-	10/29/90	12/27/90
622-58-2	Benzene, 1-isocyanato-4-methyl-	10/29/90	12/27/90
624-83-9	Methane, isocyanato-	10/29/90	12/27/90
1476-23-9	1-Propene, 3-isocyanato-	10/29/90	12/27/90
2422-91-5	Benzene, 1,1',1''-methylidynetris(4-isocyanato-	10/29/90	12/27/90
2493-02-9	Benzene, 1-bromo-4-isocyanato-	10/29/90	12/27/90
2909-38-8	Benzene, 1-chloro-3-isocyanato-	10/29/90	12/27/90
2949-22-6	Acetic acid, isocyanato-, ethyl ester	10/29/90	12/27/90
3173-53-3	Cyclohexane, isocyanato-	10/29/90	12/27/90
4035-89-6	Imidodicarbonic diamide,N,N',2-tris(6-isocyanatohexyl)-	10/29/90	12/27/90
4098-71-9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	10/29/90	12/27/90
4151-51-3	Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester)	10/29/90	12/27/90
5124-30-1	Cyclohexane, 1,1'-methylenebis(4-isocyanato-	10/29/90	12/27/90
5873-54-1	Benzene, 1-isocyanato-2-((4-isocyanatophenyl)methyl)-	10/29/90	12/27/90
10031-75-1	Benzene, 1,1'-(diisocyanatomethylene)bis-	10/29/90	12/27/90
15646-96-5	Hexane, 1,6-diisocyanato-2,4,4-trimethyl-	10/29/90	12/27/90
16938-22-0	Hexane, 1,6-diisocyanato-2,2,4-trimethyl-	10/29/90	12/27/90
25854-16-4	Benzene, bis(isocyanatomethyl)-	10/29/90	12/27/90
26447-40-5	Benzene, 1,1'-methylenebis(isocyanato-	10/29/90	12/27/90
26603-40-7	1,3,5,-Triazine-2,4,6(1H,3H,5H-trione, 1,3,5-tris(3-isocyanatomethylphenyl)-	10/29/90	12/27/90
26747-90-0	1,3-Diazetidene-2,4-dione, 1,3-bis(3-isocyanatomethylphenyl)-	10/29/90	12/27/90
28178-42-9	Benzene, 2-isocyanato-1,3-bis(1-methylethyl)-	10/29/90	12/27/90
28556-81-2	Benzene, 2-isocyanato-1,3-dimethyl-	10/29/90	12/27/90
30674-80-7	2-Propenoic acid, 2-methyl-,2-isocyanatoethyl ester	10/29/90	12/27/90
34893-92-0	Benzene, 1,3-dichloro-5-isocyanato-	10/29/90	12/27/90
68239-06-5	Cyclohexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentyl-	10/29/90	12/27/90
73597-26-9	2-Propenoic acid, 2-methyl-, 2-(((5-isocyanato-1,3,3-trimethylcyclohexyl)methyl)amino)carbonyloxy)ethyl ester.	10/29/90	12/27/90
Methyl ethylene glycol ethers and esters			
3121-61-7	Ethylene glycol monomethyl ether acrylate	1/26/94	3/28/94
23783-42-8	Tetraethylene glycol monomethyl ether	1/26/94	3/28/94
Nonylphenol ethoxylates			
7311-27-5	Ethanol, 2-[2-[2-(p-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	2/10/00	4/10/00
9016-45-9	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	2/10/00	4/10/00
20427-84-3	Ethanol, 2-[2-(p-nonylphenoxy)ethoxy]-	2/10/00	4/10/00
20636-48-0	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	2/10/00	4/10/00
26027-38-3	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-	2/10/00	4/10/00
26264-02-8	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(nonylphenoxy)-	2/10/00	4/10/00
26571-11-9	3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 26-(nonylphenoxy)-	2/10/00	4/10/00
27176-93-8	Ethanol, 2-[2-(nonylphenoxy)ethoxy]-	2/10/00	4/10/00
27177-01-1	3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy)-	2/10/00	4/10/00
27177-05-5	3,6,9,12,15,18,21-Heptaotricosan-1-ol, 23-(nonylphenoxy)-	2/10/00	4/10/00
27177-08-8	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)-	2/10/00	4/10/00
27986-36-3	Ethanol, 2-(nonylphenoxy)-	2/10/00	4/10/00
37205-87-1	Poly(oxy-1,2-ethanediyl), alpha-(isononylphenyl)-omega-hydroxy-	2/10/00	4/10/00
51938-25-1	Poly(oxy-1,2-ethanediyl), alpha-(2-nonylphenyl)-omega-hydroxy-	2/10/00	4/10/00
65455-72-3	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(isononylphenoxy)-	2/10/00	4/10/00
68412-54-4	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched	2/10/00	4/10/00
98113-10-1	NP9	2/10/00	4/10/00
127087-87-0	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	2/10/00	4/10/00
152143-22-1	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched, phosphates.	2/10/00	4/10/00
OSHA Chemicals in Need of Dermal Absorption Testing			
60-29-7	Ethyl ether	1/26/94	3/28/94
61-82-5	Amitrole	3/11/94	5/10/94
74-96-4	Ethyl bromide	3/11/94	5/10/94
75-05-8	Acetonitrile	8/4/95	10/3/95
75-12-7	Formamide	8/4/95	10/3/95
75-15-0	Carbon disulfide	3/11/94	5/10/94

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OSHA Chemicals in Need of Dermal Absorption Testing			
75-25-2	Bromoform	3/11/94	5/10/94
75-34-3	1,1-Dichloroethane	3/11/94	5/10/94
75-35-4	Vinylidene chloride	8/4/95	10/3/95
75-65-0	<i>tert</i> -Butyl alcohol	1/26/94	3/28/94
76-22-2	Camphor	1/26/94	3/28/94
77-73-6	Dicyclopentadiene	8/4/95	10/3/95
77-78-1	Dimethyl sulfate	3/11/94	5/10/94
78-59-1	Isophorone	8/4/95	10/3/95
78-87-5	Propylene dichloride	8/4/95	10/3/95
78-92-2	<i>sec</i> -Butyl alcohol	1/26/94	3/28/94
79-20-9	Methyl acetate	1/26/94	3/28/94
79-46-9	2-Nitropropane	3/11/94	5/10/94
88-72-2	<i>o</i> -Nitrotoluene	3/11/94	5/10/94
89-72-5	<i>o-sec</i> -Butylphenol	3/11/94	5/10/94
90-04-0	<i>o</i> -Anisidine	3/11/94	5/10/94
91-20-3	Naphthalene	8/4/95	10/3/95
92-52-4	Biphenyl	8/4/95	10/3/95
95-13-6	Indene	3/11/94	5/10/94
95-49-8	<i>o</i> -Chlorotoluene	3/11/94	5/10/94
95-50-1	<i>o</i> -Dichlorobenzene	8/4/95	10/3/95
96-18-4	1,2,3-Trichloropropane	8/4/95	10/3/95
97-77-8	Disulfiram	1/26/94	3/28/94
98-29-3	<i>t</i> -Butylcatechol	8/4/95	10/3/95
99-08-1	<i>m</i> -Nitrotoluene	8/4/95	10/3/95
99-65-0	<i>m</i> -Dinitrobenzene	3/11/94	5/10/94
99-99-0	<i>p</i> -Nitrotoluene	8/4/95	10/3/95
100-00-5	<i>p</i> -Nitrochlorobenzene	3/11/94	5/10/94
100-01-6	<i>p</i> -Nitroaniline	3/11/94	5/10/94
100-44-7	Benzyl chloride	3/11/94	5/10/94
100-25-4	<i>p</i> -Dinitrobenzene	1/26/94	3/28/94
100-63-0	Phenylhydrazine	3/11/94	5/10/94
105-46-4	<i>sec</i> -Butyl acetate	1/26/94	3/28/94
106-42-3	<i>p</i> -Xylene	1/26/94	3/28/94
106-46-7	<i>p</i> -Dichlorobenzene	8/4/95	10/3/95
106-49-0	<i>p</i> -Toluidine	3/11/94	5/10/94
107-06-2	Ethylene dichloride	8/4/95	10/3/95
107-31-3	Methyl formate	1/26/94	3/28/94
107-66-4	Dibutyl phosphate	1/26/94	3/28/94
108-03-2	1-Nitropropane	1/26/94	3/28/94
108-44-1	<i>m</i> -Toluidine	3/11/94	5/10/94
108-87-2	Methylcyclohexane	1/26/94	3/28/94
108-90-7	Chlorobenzene	3/11/94	5/10/94
108-93-0	Cyclohexanol	8/4/95	10/3/95
109-66-0	Pentane	1/26/94	3/28/94
109-99-9	Tetrahydrofuran	3/11/94	5/10/94
110-12-3	Methyl isoamyl ketone	8/4/95	10/3/95
110-83-8	Cyclohexene	1/26/94	3/28/94
111-84-2	Nonane	1/26/94	3/28/94
120-80-9	Catechol	8/4/95	10/3/95
121-14-2	2,4-Dinitrotoluene	3/11/94	5/10/94
121-69-7	Dimethylaniline	8/4/95	10/3/95
122-39-4	Diphenylamine	3/11/94	5/10/94
123-42-2	Diacetone alcohol	8/4/95	10/3/95
123-92-2	Isoamyl acetate	1/26/94	3/28/94
126-99-8	<i>beta</i> -Chloroprene	3/11/94	5/10/94
127-19-5	Dimethyl acetamide	8/4/95	10/3/95
142-82-5	Heptane (<i>n</i> -Heptane)	1/26/94	3/28/94
150-76-5	<i>p</i> -Methoxyphenol	3/11/94	5/10/94
287-92-3	Cyclopentane	1/26/94	3/28/94
528-29-0	<i>o</i> -Dinitrobenzene	3/11/94	5/10/94
532-27-4	<i>a</i> -Chloroacetophenone	1/26/94	3/28/94
540-59-0	1,2-Dichloroethylene	3/11/94	5/10/94
540-88-5	<i>tert</i> -Butyl acetate	1/26/94	3/28/94
542-92-7	Cyclopentadiene	8/4/95	10/3/95
626-17-5	<i>m</i> -Phthalodinitrile	3/11/94	5/10/94
628-63-7	<i>n</i> -Amyl acetate	1/26/94	3/28/94
768-52-5	<i>N</i> -Isopropylaniline	3/11/94	5/10/94
1300-73-8	Xylidine	3/11/94	5/10/94
6423-43-4	Propylene glycol dinitrate	3/11/94	5/10/94
7631-90-5	Sodium bisulfite	1/26/94	3/28/94
7681-57-4	Sodium metabisulfite	1/26/94	3/28/94

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OSHA Chemicals in Need of Dermal Absorption Testing			
25013-15-4	Vinyl toluene	3/11/94	5/10/94
34590-94-8	Dipropylene glycol methyl ether	8/4/95	10/3/95
Propylene glycol ethers and esters			
108-65-6	Propylene glycol monomethyl ether acetate	1/26/94	3/28/94
110-98-5	Dipropylene glycol	1/26/94	3/28/94
770-35-4	1-Phenoxy-2-propanol	1/26/94	3/28/94
20324-32-7	1-(2-Methoxy-1-methylethoxy)-2-propanol	1/26/94	3/28/94
20324-33-8	Tripropylene glycol methyl ether	1/26/94	3/28/94
28677-93-2	Methoxy-1-propanol	1/26/94	3/28/94
29387-86-8	Propylene glycol monobutyl ether	1/26/94	3/28/94
29911-28-2	Dipropylene glycol butyl ether	1/26/94	3/28/94
42978-66-5	Tripropylene glycol diacrylate	1/26/94	3/28/94
57018-52-7	Propylene glycol mono- <i>tert</i> -butyl ether	1/26/94	3/28/94
88917-22-0	Dipropylene glycol monomethyl ether acetate	1/26/94	3/28/94
Pyridinamines			
462-08-8	3-Pyridinamine	1/6/05	3/7/05
504-24-5	4-Pyridinamine	1/6/05	3/7/05
504-29-0	2-Pyridinamine	1/6/05	3/7/05
Siloxanes			
107-46-0	Hexamethyldisiloxane	10/12/93	2/28/94
107-50-6	Tetradecamethylcycloheptasiloxane	10/12/93	2/28/94
107-51-7	Octamethyltrisiloxane	10/12/93	2/28/94
107-52-8	Tetradecamethylhexasiloxane	10/12/93	2/28/94
107-53-9	Tetracosamethylundecasiloxane	10/12/93	2/28/94
141-62-8	Decamethyltetrasiloxane	10/12/93	2/28/94
141-63-9	Dodecamethylpentasiloxane	10/12/93	2/28/94
540-97-6	Dodecamethylcyclohexasiloxane	10/12/93	2/28/94
541-01-5	Hexadecamethylheptasiloxane	10/12/93	2/28/94
541-02-6	Decamethylcyclopentasiloxane	10/12/93	2/28/94
541-05-9	Hexamethylcyclotrisiloxane	10/12/93	2/28/94
546-56-5	Octaphenylcyclotetrasiloxane	10/12/93	2/28/94
556-67-2	Octamethylcyclotetrasiloxane	10/12/93	2/28/94
556-68-3	Hexadecamethylcyclooctasiloxane	10/12/93	2/28/94
556-69-4	Octadecamethylcyclotetrasiloxane	10/12/93	2/28/94
556-70-7	Docosamethyldecasiloxane	10/12/93	2/28/94
556-71-8	Octadecamethylcyclononasiloxane	10/12/93	2/28/94
999-97-3	Hexamethyldisilazane	10/12/93	2/28/94
2370-88-9	Tetramethylcyclotetrasiloxane	10/12/93	2/28/94
2374-14-3	Trifluoropropylmethylcyclotrisiloxane	10/12/93	2/28/94
2471-08-1	Hexacosamethyldodecasiloxane	10/12/93	2/28/94
2471-09-2	Octacosamethyltridecasiloxane	10/12/93	2/28/94
2471-10-5	Triacontanethyltetradecasiloxane	10/12/93	2/28/94
2471-11-6	Dotriacontamethylpentadecasiloxane	10/12/93	2/28/94
2554-06-5	Methylvinylcyclosiloxane	10/12/93	2/28/94
2627-95-4	Tetramethyldivinylidissiloxane	10/12/93	2/28/94
2652-13-3	Eicosamethylnonasiloxane	10/12/93	2/28/94
70131-67-8	Siloxanes and silicones, di-Me, hydroxy-terminated	10/12/93	2/28/94
9004-73-3	Methylpolysiloxane	10/12/93	2/28/94
18766-38-6	Docosamethylcycloundecasiloxane	10/12/93	2/28/94
18772-36-6	Eicosamethylcyclodecasiloxane	10/12/93	2/28/94
18844-04-7	Hexatriacontamethylheptadecasiloxane	10/12/93	2/28/94
18919-94-3	Tetracosamethylcyclododecasiloxane	10/12/93	2/28/94
23523-12-8	Hexatriacontamethylcyclooctadecasiloxane	10/12/93	2/28/94
23523-14-0	Triacontanethylcyclopentadecasiloxane	10/12/93	2/28/94
23732-94-7	Hexacosamethylcyclotridecasiloxane	10/12/93	2/28/94
36938-50-8	Tetatriacontamethyl hexadecasiloxane	10/12/93	2/28/94
36938-52-0	Octatriacontamethyl octadecasiloxane	10/12/93	2/28/94
63148-62-9	Dimethyl silicones and siloxanes	10/12/93	2/28/94
67762-90-7	Dimethyl silicones and siloxane, reaction products with silica	10/12/93	2/28/94
67762-94-1	Dimethylmethylvinylsiloxane	10/12/93	2/28/94
68037-59-2	Dimethylhydropolysiloxane	10/12/93	2/28/94
68037-74-1	Dimethylpolysiloxanes	10/12/93	2/28/94
68083-14-7	Dimethyldiphenylsiloxane	10/12/93	2/28/94
69430-24-6	Cyclopolydimethylsiloxane	10/12/93	2/28/94
115361-68-7	Dimethylmethyl 3,3,3-trifluoropropyl siloxane	10/12/93	2/28/94
149050-40-8	Octacosamethylcyclotetradecasiloxane	10/12/93	2/28/94

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Siloxanes			
150026-95-2	Dotriacontamethylcyclohexadecasiloxane	10/12/93	2/28/94
150026-96-3	Tetracontamethylcycloheptadecasiloxane	10/12/93	2/28/94
150026-97-4	Octatriacontamethylcyclononadecasiloxane	10/12/93	2/28/94
150026-98-5	Tetracontamethylcycloicosasiloxane	10/12/93	2/28/94
150026-99-6	Tetracontamethylnonadecasiloxane	10/12/93	2/28/94
150027-00-2	Dotetracontamethyleicosasiloxane	10/12/93	2/28/94
not available	Polymethyloctadecylsiloxane	10/12/93	2/28/94

Substantially produced chemicals in need of subchronic tests

80-51-3	p,p'-Oxybis(benzenesulfonylhydrazide)	9/30/91	11/27/91
81-84-5	Naphthalenedicarboxylic anhydride	9/30/91	11/27/91
84-51-5	2-Ethylanthraquinone	9/30/91	11/27/91
87-02-5	7-Amino-4-hydroxy-2-naphthalenesulfonic acid	9/30/91	11/27/91
90-15-3	1-Naphthol	9/30/91	11/27/91
92-70-6	3-Hydroxy-2-naphthoic acid	9/30/91	11/27/91
94-28-0	Triethylene glycol bis(2-ethylhexanoate)	9/30/91	11/27/91
95-32-9	2-(4-Morpholinylthio)-benzothiazole	9/30/91	11/27/91
97-88-1	N-Butyl methacrylate	9/30/91	11/27/91
98-48-6	1,3-Benzenedisulfonic Acid	9/30/91	11/27/91
99-54-7	3,4-Dichloronitrobenzene	9/30/91	11/27/91
99-63-8	Isophthaloyl chloride	9/30/91	11/27/91
100-20-9	Terephthaloyl chloride	9/30/91	11/27/91
100-29-8	4-Ethoxynitrobenzene	9/30/91	11/27/91
102-01-2	Acetoacetanilide	9/30/91	11/27/91
106-31-0	Butyric anhydride	9/30/91	11/27/91
106-63-8	Isobutyl acrylate	9/30/91	11/27/91
111-96-6	Diethylene glycol dimethyl ether	9/30/91	11/27/91
112-15-2	Ethanol, 2-(2-ethoxyethoxy)-, acetate	9/30/91	11/27/91
116-81-4	Bromamine acid	9/30/91	11/27/91
119-33-5	4-Methyl-2-nitro-phenol	9/30/91	11/27/91
121-60-8	4-(Acetylamino)benzenesulfonyl chloride	9/30/91	11/27/91
123-54-6	2,4-Pentanedione	9/30/91	11/27/91
123-62-6	Propanoic anhydride	9/30/91	11/27/91
142-16-5	Bis(2-ethylhexyl)-2-butenedioate	9/30/91	11/27/91
311-89-7	Perfluorotributylamine	9/30/91	11/27/91
355-42-0	Perfluoro-N-hexane	9/30/91	11/27/91
594-42-3	Trichloromethanesulfonyl chloride	9/30/91	11/27/91
616-21-7	1,2-Dichlorobutane	9/30/91	11/27/91
626-17-5	1,3-Dicyanobenzene	9/30/91	11/27/91
760-23-6	3,4-Dichlorobutene	9/30/91	11/27/91
929-06-6	2-(2-Aminoethoxy)-ethanol	6/30/92	9/28/92
1047-16-1	Quinacridone	9/30/91	11/27/91
1111-78-0	Ammonium carbamate	9/30/91	11/27/91
3089-11-0	Hexa(methoxymethyl) melamine	9/30/91	11/27/91

Sulphones

67-71-0	Dimethylsulfone	9/30/91	11/27/91
77-79-2	3-Sulfolene	9/30/91	11/27/91
80-07-9	Sulfonyl bis-(4-chlorobenzene)	9/30/91	11/27/91
80-08-0	4,4'-Diaminodiphenyl sulfone	9/30/91	11/27/91
80-09-1	Bisphenol S	9/30/91	11/27/91
98-30-6	2-Amino-4-(methylsulfonyl)phenol	9/30/91	11/27/91
126-33-0	Sulfolane	9/30/91	11/27/91
127-63-9	Diphenylsulfone	9/30/91	11/27/91
2580-77-0	2,2'-Sulfonyl bis-ethanol	9/30/91	11/27/91
3278-22-6	1,1'-[Methylene bis(sulfonyl)]bisethene	9/30/91	11/27/91
5246-57-1	2-[(3-Aminophenyl)sulfonyl]ethanol	9/30/91	11/27/91
16588-67-3	3-[N-Ethyl-4-[[6-(methylsulfonyl)-2-benzothiazolyl] azo]-m-toluidino]- propionitrile	9/30/91	11/27/91
17557-67-4	6-(Methylsulfonyl)-2-benzothiazolamine	9/30/91	11/27/91
17601-96-6	2-Amino-4-[(2-hydroxyethyl) sulfonyl]phenol	9/30/91	11/27/91
17688-68-5	4-Phenylthiomorpholine, 1,1-dioxide	9/30/91	11/27/91
17741-62-7	4-[4-[(2,6-Dichloro-4-nitrophenyl) azo]phenyl]thiomorpholine, 1,1-dioxide	9/30/91	11/27/91
18760-44-6	3-(Decyloxy)tetrahydrothiophene 1,1-dioxide	9/30/91	11/27/91
20018-09-1	1-(Diiodomethyl) sulfonyl-4-methyl benzene	9/30/91	11/27/91
26750-50-5	1,1'-[Oxybis(methylenesulfonyl)] bisethene	9/30/91	11/27/91
36724-43-3	2,2'-[Oxybis(methylenesulfonyl)] bisethanol	9/30/91	11/27/91
41123-59-5	1,1'-[Methylenebis(sulfonyl)]bis-2-chloroethane	9/30/91	11/27/91
41123-69-7	2,2'-[Methylenebis(sulfonyl)] bisethanol	9/30/91	11/27/91
41687-30-3	2-[(3-Nitrophenyl)sulfonyl]ethanol	9/30/91	11/27/91

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Sulphones			
52218-35-6	2-[(6-Amino-2-naphthalenyl)sulfonyl]ethanol	9/30/91	11/27/91
53061-10-2	1,1'-[Oxybis(methylene sulfonyl)]bis-2-chloroethane	9/30/91	11/27/91
63134-33-8	4-[(4-(Phenylmethoxy)phenyl)sulfonyl]phenol	9/30/91	11/27/91
Tungsten compounds			
1314-35-8	Tungsten oxide (WO ₃)	1/6/05	3/7/05
7440-33-7	Tungsten	1/6/05	3/7/05
7783-03-1	Tungstate (WO ₃ ²⁻), dihydrogen, (T-4)-	1/6/05	3/7/05
7783-82-6	Tungsten fluoride (WF ₆), (OC-6-11)-	1/6/05	3/7/05
7790-60-5	Tungstate (WO ₃ ²⁻), dipotassium, (T-4)-	1/6/05	3/7/05
7790-85-4	Cadmium tungsten oxide (CdWO ₄)	1/6/05	3/7/05
10213-10-2	Tungstate (WO ₃ ²⁻), disodium, dihydrate, (T-4)-	1/6/05	3/7/05
11105-11-6	Tungsten oxide (WO ₃), hydrate	1/6/05	3/7/05
11120-01-7	Sodium tungsten oxide	1/6/05	3/7/05
11120-25-5	Tungstate (W ₁₂ (OH) ₂ O ₄₀ ¹⁰⁻), decaammonium	1/6/05	3/7/05
12027-38-2	Tungstate(4-), [.mu. 12-[orthosilicato(4-)- ..kappa.O'.kappa.O'.kappa.O'. :kappa.O'.kappa.O'.kappa.O' .kappa.O':.kappa.O' :.kappa.O' :.kappa.O':.kappa.O' :.kappa.O']]tetracosaa .mu.-oxododecaoxododeca-, tetrahydrogen.	1/6/05	3/7/05
12028-48-7	Tungstate (W ₁₂ (OH) ₂ O ₃₈ ⁶⁻), hexaammonium	1/6/05	3/7/05
12036-22-5	Tungsten oxide (WO ₂)	1/6/05	3/7/05
12067-99-1	Tungsten hydroxide oxide phosphate	1/6/05	3/7/05
12138-09-9	Tungsten sulfide (WS ₂)	1/6/05	3/7/05
12141-67-2	Tungstate (W ₁₂ (OH) ₂ O ₃₈ ⁶⁻), hexasodium	1/6/05	3/7/05
13283-01-7	Tungsten chloride (WCl ₆), (OC-6-11)-	1/6/05	3/7/05
13472-45-2	Tungstate (WO ₃ ²⁻), disodium, (T-4)-	1/6/05	3/7/05
14040-11-0	Tungsten carbonyl (W(CO) ₆), (OC-6-11)-	1/6/05	3/7/05
23321-70-2	Tungsten oxide (WO ₃), dihydrate	1/6/05	3/7/05
Vanadium compounds			
1314-34-7	Vanadium oxide (V2O3) [Vanadium trioxide]	7/11/03	9/9/03
1314-62-1	Vanadium oxide (V2O5) [Vanadium pentoxide]	7/11/03	9/9/03
1686-22-2	Vanadium, triethoxyoxo-, (T-4)- [Triethyl orthovanadate]	7/11/03	9/9/03
3153-26-2	Vanadium, oxobis (2,4-pentanedionato-.kappa.O,.kappa.O')-, (SP-5-21)-	7/11/03	9/9/03
5588-84-1	Vanadium, oxotris(2-propanolato)-, (T-4)- [Vanadium trisopropoxide oxide]	7/11/03	9/9/03
7440-62-2	Vanadium	7/11/03	9/9/03
7632-51-1	Vanadium chloride (VCl4), (T-4)- [Vanadium tetrachloride]	7/11/03	9/9/03
7718-98-1	Vanadium chloride (VCl3) [Vanadium trichloride]	7/11/03	9/9/03
7727-18-6	Vanadium, trichlorooxo-, (T-4)- [Vanadium oxytrichloride]	7/11/03	9/9/03
7803-55-6	Vanadate (VO3 ¹⁻), ammonium [Ammonium metavanadate]	7/11/03	9/9/03
10049-16-8	Vanadium fluoride (VF4) [Vanadium tetrafluoride]	7/11/03	9/9/03
10213-09-9	Vanadium, dichlorooxo- [Vanadyl dichloride]	7/11/03	9/9/03
10580-52-6	Vanadium chloride (VCl2) [Vanadium dichloride]	7/11/03	9/9/03
11099-11-9	Vanadium oxide [Polyvanadic acid]	7/11/03	9/9/03
11115-67-6	Ammonium vanadium oxide	7/11/03	9/9/03
11130-21-5	Vanadium carbide	7/11/03	9/9/03
12007-37-3	Vanadium boride (VB2)	7/11/03	9/9/03
12035-98-2	Vanadium oxide (VO)	7/11/03	9/9/03
12036-21-4	Vanadium oxide (VO2)	7/11/03	9/9/03
12070-10-9	Vanadium carbide (VC)	7/11/03	9/9/03
12083-48-6	Vanadium, dichlorobis (.eta.5-2,4-cyclopentadien-1-yl)-	7/11/03	9/9/03
12166-27-7	Vanadium sulfide (VS)	7/11/03	9/9/03
12439-96-2	Vanadium, oxo[sulfato(2-)-.kappa.O]-, pentahydrate [Vanadyl sulfate (VOSO4), pentahydrate]	7/11/03	9/9/03
12604-58-9	Vanadium alloy, base, V,C,Fe (Ferrovanadium)	7/11/03	9/9/03
13470-26-3	Vanadium bromide (VBr3)	7/11/03	9/9/03
13476-99-8	Vanadium, tris(2,4-pentanedionato-.kappa.O,.kappa.O')-, (OC-6-11)- [Vanadium tris(acetylacetonate)]	7/11/03	9/9/03
13497-94-4	Silver vanadium oxide (AgVO3)	7/11/03	9/9/03
13517-26-5	Sodium vanadium oxide (Na4V2O7) [Sodium pyrovanadate]	7/11/03	9/9/03
13718-26-8	Vanadate (VO3 ¹⁻), sodium [Sodium metavanadate]	7/11/03	9/9/03
13721-39-6	Sodium vanadium oxide (Na3VO4) [Sodium orthovanadate]	7/11/03	9/9/03
13769-43-2	Vanadate (VO3 ¹⁻), potassium [Potassium metavanadate]	7/11/03	9/9/03
13930-88-6	Vanadium, oxo[29H,31H-phthalocyaninato(2-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-5-12)-	7/11/03	9/9/03
14059-33-7	Bismuth vanadium oxide (BIVO4)	7/11/03	9/9/03
19120-62-8	Vanadium, tris(2-methyl-1-propanolato)oxo-, (T-4)- [Isobutyl orthovanadate]	7/11/03	9/9/03
24646-85-3	Vanadium nitride (VN)	7/11/03	9/9/03
27774-13-6	Vanadium, oxo[sulfato(2-)-.kappa.O]- [Vanadyl sulfate]	7/11/03	9/9/03
30486-37-4	Vanadium hydroxide oxide (V(OH)2O)	7/11/03	9/9/03

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Vanadium compounds			
39455–80–6	Ammonium sodium vanadium oxide	7/11/03	9/9/03
53801–77–7	Bismuth vanadium oxide	7/11/03	9/9/03
65232–89–5	Vanadium hydroxide oxide phosphate	7/11/03	9/9/03
68130–18–7	Vanadium hydroxide oxide phosphate (V ₆ (OH) ₃ O ₃ (PO ₄) ₇)	7/11/03	9/9/03
68815–09–8	Naphthenic acids, vanadium salts	7/11/03	9/9/03
68990–29–4	Balsams, copaiba, sulfurized, vanadium salts	7/11/03	9/9/03
Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
62–56–6	Thiourea	September 29, 2006	November 28, 2006
77–76–9	Propane, 2,2-dimethoxy-	September 29, 2006	November 28, 2006
81–07–2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide	September 29, 2006	November 28, 2006
81–16–3	1-Naphthalenesulfonic acid, 2-amino-	September 29, 2006	November 28, 2006
81–84–5	1H,3H-Naphtho[1,8-cd]pyran-1,3-dione	September 29, 2006	November 28, 2006
83–41–0	Benzene, 1,2-dimethyl-3-nitro-	September 29, 2006	November 28, 2006
84–69–5	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	September 29, 2006	November 28, 2006
85–40–5	1H-Isindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-	September 29, 2006	November 28, 2006
91–68–9	Phenol, 3-(diethylamino)-	September 29, 2006	November 28, 2006
94–96–2	1,3-Hexanediol, 2-ethyl-	September 29, 2006	November 28, 2006
96–22–0	3-Pentanone	September 29, 2006	November 28, 2006
97–00–7	Benzene, 1-chloro-2,4-dinitro-	September 29, 2006	November 28, 2006
98–09–9	Benzenesulfonyl chloride	September 29, 2006	November 28, 2006
98–16–8	Benzenamine, 3-(trifluoromethyl)-	September 29, 2006	November 28, 2006
98–56–6	Benzene, 1-chloro-4-(trifluoromethyl)-	September 29, 2006	November 28, 2006
101–34–8	9-Octadecenoic acid, 12-(acetyloxy)-, 1,2,3-propanetriyl ester, (9Z,9'Z,9",12R,12'R,12"')-	September 29, 2006	November 28, 2006
104–66–5	Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis-	September 29, 2006	November 28, 2006
104–93–8	Benzene, 1-methoxy-4-methyl-	September 29, 2006	November 28, 2006
107–39–1	1-Pentene, 2,4,4-trimethyl-	September 29, 2006	November 28, 2006
107–40–4	2-Pentene, 2,4,4-trimethyl-	September 29, 2006	November 28, 2006
110–18–9	1,2-Ethanediamine, N,N,N',N'-tetramethyl-	September 29, 2006	November 28, 2006
110–33–8	Hexanedioic acid, dihexyl ester	September 29, 2006	November 28, 2006
111–44–4	Ethane, 1,1'-oxybis[2-chloro-	September 29, 2006	November 28, 2006
111–85–3	Octane, 1-chloro-	September 29, 2006	November 28, 2006
111–91–1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	September 29, 2006	November 28, 2006
118–90–1	Benzoic acid, 2-methyl-	September 29, 2006	November 28, 2006
119–33–5	Phenol, 4-methyl-2-nitro-	September 29, 2006	November 28, 2006
121–69–7	Benzenamine, N,N-dimethyl-	September 29, 2006	November 28, 2006
121–82–4	1,3,5-Triazine, hexahydro-1,3,5-trinitro-	September 29, 2006	November 28, 2006
124–63–0	Methanesulfonyl chloride	September 29, 2006	November 28, 2006
127–68–4	Benzenesulfonic acid, 3-nitro-, sodium salt	September 29, 2006	November 28, 2006

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Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
131-57-7	Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	September 29, 2006	November 28, 2006
137-20-2	Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecenyl]amino]-, sodium salt ..	September 29, 2006	November 28, 2006
138-25-0	1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester	September 29, 2006	November 28, 2006
139-40-2	1,3,5-Triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)-	September 29, 2006	November 28, 2006
140-93-2	Carbonodithioic acid, O-(1-methylethyl) ester, sodium salt	September 29, 2006	November 28, 2006
142-73-4	Glycine, N-(carboxymethyl)-	September 29, 2006	November 28, 2006
330-54-1	Urea, N'-(3,4-dichlorophenyl)-N,N-dimethyl-	September 29, 2006	November 28, 2006
460-00-4	Benzene, 1-bromo-4-fluoro-	September 29, 2006	November 28, 2006
506-51-4	1-Tetracosanol	September 29, 2006	November 28, 2006
506-52-5	1-Hexacosanol	September 29, 2006	November 28, 2006
513-74-6	Carbamodithioic acid, monoammonium salt	September 29, 2006	November 28, 2006
515-40-2	Benzene, (2-chloro-1,1-dimethylethyl)-	September 29, 2006	November 28, 2006
529-33-9	1-Naphthalenol, 1,2,3,4-tetrahydro-	September 29, 2006	November 28, 2006
529-34-0	1(2H)-Naphthalenone, 3,4-dihydro-	September 29, 2006	November 28, 2006
542-92-7	1,3-Cyclopentadiene	September 29, 2006	November 28, 2006
557-61-9	1-Octacosanol	September 29, 2006	November 28, 2006
563-72-4	Ethanedioic acid, calcium salt (1:1)	September 29, 2006	November 28, 2006
590-19-2	1,2-Butadiene	September 29, 2006	November 28, 2006
592-45-0	1,4-Hexadiene	September 29, 2006	November 28, 2006
598-72-1	Propanoic acid, 2-bromo-	September 29, 2006	November 28, 2006
617-94-7	Benzenemethanol, .alpha.,.alpha.-dimethyl-	September 29, 2006	November 28, 2006
628-13-7	Pyridine, hydrochloride	September 29, 2006	November 28, 2006
628-96-6	1,2-Ethandiol, dinitrate	September 29, 2006	November 28, 2006
645-62-5	2-Hexenal, 2-ethyl-	September 29, 2006	November 28, 2006
693-95-8	Thiazole, 4-methyl-	September 29, 2006	November 28, 2006
756-80-9	Phosphorodithioic acid, O,O-dimethyl ester	September 29, 2006	November 28, 2006
870-72-4	Methanesulfonic acid, hydroxy-, monosodium salt	September 29, 2006	November 28, 2006
928-72-3	Glycine, N-(carboxymethyl)-, disodium salt	September 29, 2006	November 28, 2006
939-97-9	Benzaldehyde, 4-(1,1-dimethylethyl)-	September 29, 2006	November 28, 2006
1000-82-4	Urea, (hydroxymethyl)-	September 29, 2006	November 28, 2006
1002-69-3	Decane, 1-chloro-	September 29, 2006	November 28, 2006
1111-78-0	Carbamic acid, monoammonium salt	September 29, 2006	November 28, 2006
1401-55-4	Tannins	September 29, 2006	November 28, 2006
1445-45-0	Ethane, 1,1,1-trimethoxy-	September 29, 2006	November 28, 2006
1498-51-7	Phosphorodichloridic acid, ethyl ester	September 29, 2006	November 28, 2006

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Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
1738–25–6	Propanenitrile, 3-(dimethylamino)-	September 29, 2006	November 28, 2006
1912–24–9	1,3,5-Triazine-2,4-diamine, 6-chloro-N-ethyl-N'-(1-methylethyl)-	September 29, 2006	November 28, 2006
2152–64–9	Benzenamine, N-phenyl-4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]-, monohydrochloride.	September 29, 2006	November 28, 2006
2210–79–9	Oxirane, [(2-methylphenoxy)methyl]-	September 29, 2006	November 28, 2006
2372–45–4	1-Butanol, sodium salt	September 29, 2006	November 28, 2006
2409–55–4	Phenol, 2-(1,1-dimethylethyl)-4-methyl-	September 29, 2006	November 28, 2006
2425–54–9	Tetradecane, 1-chloro-	September 29, 2006	November 28, 2006
2494–89–5	Ethanol, 2-[(4-aminophenyl)sulfonyl]-, hydrogen sulfate (ester)	September 29, 2006	November 28, 2006
2524–03–0	Phosphorochloridithioic acid, O,O-dimethyl ester	September 29, 2006	November 28, 2006
2691–41–0	1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-	September 29, 2006	November 28, 2006
2814–20–2	4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-	September 29, 2006	November 28, 2006
2905–62–6	Benzoyl chloride, 3,5-dichloro-	September 29, 2006	November 28, 2006
2915–53–9	2-Butenedioic acid (2Z)-, dioctyl ester	September 29, 2006	November 28, 2006
3039–83–6	Ethanesulfonic acid, sodium salt	September 29, 2006	November 28, 2006
3132–99–8	Benzaldehyde, 3-bromo-	September 29, 2006	November 28, 2006
3386–33–2	Octadecane, 1-chloro-	September 29, 2006	November 28, 2006
3779–63–3	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-	September 29, 2006	November 28, 2006
3965–55–7	1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt	September 29, 2006	November 28, 2006
4035–89–6	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-	September 29, 2006	November 28, 2006
4170–30–3	2-Butenal	September 29, 2006	November 28, 2006
4316–73–8	Glycine, N-methyl-, monosodium salt	September 29, 2006	November 28, 2006
4860–03–1	Hexadecane, 1-chloro-	September 29, 2006	November 28, 2006
5026–74–4	Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)-	September 29, 2006	November 28, 2006
5216–25–1	Benzene, 1-chloro-4-(trichloromethyl)-	September 29, 2006	November 28, 2006
5460–09–3	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt	September 29, 2006	November 28, 2006
5915–41–3	1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-	September 29, 2006	November 28, 2006
6473–13–8	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-sulfophenyl]azo]-4-hydroxy-, trisodium salt.	September 29, 2006	November 28, 2006
7795–95–1	1-Octanesulfonyl chloride	September 29, 2006	November 28, 2006
8001–58–9	Creosote	September 29, 2006	November 28, 2006
10265–69–7	Glycine, N-phenyl-, monosodium salt	September 29, 2006	November 28, 2006
13749–94–5	Ethanimidothioic acid, N-hydroxy-, methyl ester	September 29, 2006	November 28, 2006
13826–35–2	Benzenemethanol, 3-phenoxy-	September 29, 2006	November 28, 2006
17103–31–0	Urea, sulfate (2:1)	September 29, 2006	November 28, 2006
17321–47–0	Phosphoramidithioic acid, O,O-dimethyl ester	September 29, 2006	November 28, 2006
17976–43–1	2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene, 1,9-dihydro-1,9-dioxo-	September 29, 2006	November 28, 2006

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Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
19438-61-0	1,3-Isobenzofurandione, 5-methyl-	September 29, 2006	November 28, 2006
19525-59-8	Glycine, N-phenyl-, monopotassium salt	September 29, 2006	November 28, 2006
20068-02-4	2-Butenenitrile, 2-methyl-, (2Z)-	September 29, 2006	November 28, 2006
20227-53-6	Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester.	September 29, 2006	November 28, 2006
21351-39-3	Urea, sulfate (1:1)	September 29, 2006	November 28, 2006
22527-63-5	Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester	September 29, 2006	November 28, 2006
24615-84-7	2-Propenoic acid, 2-carboxyethyl ester	September 29, 2006	November 28, 2006
24794-58-9	Formic acid, compd. with 2,2',2[ethanol] (1:1)	September 29, 2006	November 28, 2006
25154-38-5	Piperazineethanol	September 29, 2006	November 28, 2006
25168-05-2	Benzene, chloromethyl-	September 29, 2006	November 28, 2006
25168-06-3	Phenol, (1-methylethyl)-	September 29, 2006	November 28, 2006
25321-41-9	Benzenesulfonic acid, dimethyl-	September 29, 2006	November 28, 2006
25383-99-7	Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	September 29, 2006	November 28, 2006
25646-71-3	Methanesulfonamide, N-[2-[(4-amino-3-methylphenyl)ethylamino]ethyl]-, sulfate (2:3).	September 29, 2006	November 28, 2006
26377-29-7	Phosphorodithioic acid, O,O-dimethyl ester, sodium salt	September 29, 2006	November 28, 2006
26401-27-4	Phosphorous acid, isooctyl diphenyl ester	September 29, 2006	November 28, 2006
26680-54-6	2,5-Furandione, dihydro-3-(octenyl)-	September 29, 2006	November 28, 2006
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	September 29, 2006	November 28, 2006
28106-30-1	Benzene, ethenylethyl-	September 29, 2006	November 28, 2006
28188-24-1	Octadecanoic acid, 2-(hydroxymethyl)-2-[[[(1-oxooctadecyl)oxy]methyl]-1,3-propanediyl ester.	September 29, 2006	November 28, 2006
28908-00-1	Benzothiazole, 2-[(chloromethyl)thio]-	September 29, 2006	November 28, 2006
30574-97-1	2-Butenenitrile, 2-methyl-, (2E)-	September 29, 2006	November 28, 2006
34689-46-8	Phenol, methyl-, sodium salt	September 29, 2006	November 28, 2006
35203-06-6	Benzenamine, 2-ethyl-6-methyl-N-methylene-	September 29, 2006	November 28, 2006
35203-08-8	Benzenamine, 2,6-diethyl-N-methylene-	September 29, 2006	November 28, 2006
37734-45-5	Carbonochloridithioic acid, S-(phenylmethyl) ester	September 29, 2006	November 28, 2006
37764-25-3	Acetamide, 2,2-dichloro-N,N-di-2-propenyl-	September 29, 2006	November 28, 2006
38185-06-7	Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt	September 29, 2006	November 28, 2006
38321-18-5	Ethanol, 2-(2-butoxyethoxy)-, sodium salt	September 29, 2006	November 28, 2006
39515-51-0	Benzaldehyde, 3-phenoxy-	September 29, 2006	November 28, 2006
40630-63-5	1-Octanesulfonyl fluoride	September 29, 2006	November 28, 2006
40876-98-0	Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium	September 29, 2006	November 28, 2006
51632-16-7	Benzene, 1-(bromomethyl)-3-phenoxy-	September 29, 2006	November 28, 2006
52184-19-7	Phenol, 2,4-bis(1,1-dimethylpropyl)-6-[(2-nitrophenyl)azo]-	September 29, 2006	November 28, 2006
52556-42-0	1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt	September 29, 2006	November 28, 2006

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Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
52663–57–7	Ethanol, 2-butoxy-, sodium salt	September 29, 2006	November 28, 2006
56803–37–3	Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester	September 29, 2006	November 28, 2006
57693–14–8	Chromate(3-), bis[3-(hydroxy-.kappa.O)-4-[[2-(hydroxy-.kappa.O)-1-naphthalenyl]azo-.kappa.N1]-7-nitro-1-naphthalenesulfonato(3-)]-, trisodium.	September 29, 2006	November 28, 2006
61788–44–1	Phenol, styrenated	September 29, 2006	November 28, 2006
61788–76–9	Alkanes, chloro	September 29, 2006	November 28, 2006
61789–85–3	Sulfonic acids, petroleum	September 29, 2006	November 28, 2006
63302–49–8	Phosphorochloridous acid, bis(4-nonylphenyl) ester	September 29, 2006	November 28, 2006
64743–02–8	Alkenes, C>10 .alpha.-	September 29, 2006	November 28, 2006
64743–03–9	Phenols (petroleum)	September 29, 2006	November 28, 2006
65996–79–4	Solvent naphtha (coal)	September 29, 2006	November 28, 2006
65996–82–9	Tar oils, coal	September 29, 2006	November 28, 2006
65996–83–0	Extracts, coal tar oil alk.	September 29, 2006	November 28, 2006
65996–86–3	Extract oils (coal), tar base	September 29, 2006	November 28, 2006
65996–87–4	Extract residues (coal), tar oil alk.	September 29, 2006	November 28, 2006
65996–89–6	Tar, coal, high-temp.	September 29, 2006	November 28, 2006
65996–91–0	Distillates (coal tar), upper	September 29, 2006	November 28, 2006
65996–92–1	Distillates (coal tar)	September 29, 2006	November 28, 2006
68081–86–7	Phenol, nonyl derivs.	September 29, 2006	November 28, 2006
68082–78–0	Lard, oil, Me esters	September 29, 2006	November 28, 2006
68153–60–6	Fatty acids, tall-oil, reaction products with diethylenetriamine, acetates	September 29, 2006	November 28, 2006
68187–41–7	Phosphorodithioic acid, O,O-di-C1–14-alkyl esters	September 29, 2006	November 28, 2006
68187–57–5	Pitch, coal tar-petroleum	September 29, 2006	November 28, 2006
68187–59–7	Coal, anthracite, calcined	September 29, 2006	November 28, 2006
68188–18–1	Paraffin oils, chlorosulfonated, saponified	September 29, 2006	November 28, 2006
68308–74–7	Amides, tall-oil fatty, N,N-di-Me	September 29, 2006	November 28, 2006
68309–16–0	Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters	September 29, 2006	November 28, 2006
68309–27–3	Fatty acids, tall-oil, sulfonated, sodium salts	September 29, 2006	November 28, 2006
68334–01–0	Disulfides, alkylaryl dialkyl diaryl, petroleum refinery spent caustic oxidn. products.	September 29, 2006	November 28, 2006
68441–66–7	Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric acid.	September 29, 2006	November 28, 2006
68442–60–4	Acetaldehyde, reaction products with formaldehyde, by-products from	September 29, 2006	November 28, 2006
68442–77–3	2-Butenediamide, (2E)-, N,N'-bis[2-(4,5-dihydro-2-nortall-oil alkyl-1H-imidazol-1-yl)ethyl] derivs..	September 29, 2006	November 28, 2006
68457–74–9	Phenol, isobutyleneated methylstyrenated	September 29, 2006	November 28, 2006
68513–62–2	Disulfides, C5–12-alkyl	September 29, 2006	November 28, 2006
68515–89–9	Barium, carbonate nonylphenol complexes	September 29, 2006	November 28, 2006
68527–22–0	Naphtha (petroleum), clay-treated light straight-run	September 29, 2006	November 28, 2006

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CAS No.	Substance	Effective date	Reporting date
Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
68584-25-8	Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine	September 29, 2006	November 28, 2006
68602-81-3	Distillates, hydrocarbon resin prodn. higher boiling	September 29, 2006	November 28, 2006
68608-59-3	Ethane, 1,2-dichloro-, manuf. of, by-products from, distn. lights	September 29, 2006	November 28, 2006
68609-05-2	Cyclohexane, oxidized, non-acidic by-products, distn. lights	September 29, 2006	November 28, 2006
68610-90-2	2-Butenedioic acid (2E)-, di-C8-18-alkyl esters	September 29, 2006	November 28, 2006
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	September 29, 2006	November 28, 2006
68650-36-2	Aromatic hydrocarbons, C8, o-xylene-lean	September 29, 2006	November 28, 2006
68782-97-8	Distillates (petroleum), hydrofined lubricating-oil	September 29, 2006	November 28, 2006
68815-50-9	Octadecanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol	September 29, 2006	November 28, 2006
68909-77-3	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues.	September 29, 2006	November 28, 2006
68915-05-9	Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine reaction by-products.	September 29, 2006	November 28, 2006
68915-39-9	Cyclohexane, oxidized, aq. ext., sodium salt	September 29, 2006	November 28, 2006
68918-16-1	Tar, coal, dried and oxidized	September 29, 2006	November 28, 2006
68919-17-5	Hydrocarbons, C12-20, catalytic alkylation by-products	September 29, 2006	November 28, 2006
68937-29-1	1,6-Hexanediol, distn. residues	September 29, 2006	November 28, 2006
68937-70-2	Carboxylic acids, C6-18 and C8-15-di-	September 29, 2006	November 28, 2006
68937-72-4	Carboxylic acids, di-, C4-11	September 29, 2006	November 28, 2006
68953-80-0	Benzene, mixed with toluene, dealkylation product	September 29, 2006	November 28, 2006
68955-37-3	Acid chlorides, tallow, hydrogenated	September 29, 2006	November 28, 2006
68955-76-0	Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich	September 29, 2006	November 28, 2006
68987-41-7	Benzene, ethylenated	September 29, 2006	November 28, 2006
68987-66-6	Ethene, hydrated, by-products from	September 29, 2006	November 28, 2006
68988-22-7	1,4-Benzenedicarboxylic acid, dimethyl ester, manuf. of, by-products from	September 29, 2006	November 28, 2006
68990-61-4	Tar, coal, high-temp., high-solids	September 29, 2006	November 28, 2006
68990-65-8	Fats and Glyceridic oils, vegetable, reclaimed	September 29, 2006	November 28, 2006
70084-98-9	Terpenes and Terpenoids, C10-30, distn. residues	September 29, 2006	November 28, 2006
70693-50-4	Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-[(2-nitrophenyl)azo]-	September 29, 2006	November 28, 2006
70851-08-0	Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with sodium 3-chloro-2-hydroxypropanesulfonate.	September 29, 2006	November 28, 2006
71077-05-9	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower residues.	September 29, 2006	November 28, 2006
72162-15-3	1-Decene, sulfurized	September 29, 2006	November 28, 2006
72854-27-4	Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium sulfite.	September 29, 2006	November 28, 2006
73665-18-6	Extract residues (coal), tar oil alk., naphthalene distn. residues	September 29, 2006	November 28, 2006
83864-02-2	Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-	September 29, 2006	November 28, 2006
84501-86-0	Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation products.	September 29, 2006	November 28, 2006
90640-80-5	Anthracene oil	September 29, 2006	November 28, 2006

CAS No.	Substance	Effective date	Reporting date
Voluntary HPV Challenge Program orphan (unsponsored) chemicals			
90640–86–1	Distillates (coal tar), heavy oils	September 29, 2006	November 28, 2006
119345–02–7	Benzene, 1,1'-oxybis-, tetrapropylene derivs.	September 29, 2006	November 28, 2006
125997–20–8	Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters.	September 29, 2006	November 28, 2006

(Secs 8(a) and 8(d), 90 Stat. 2027, 2029; 15 U.S.C. 2607 (a) and (d))

[47 FR 26998, June 22, 1982]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §712.30, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

EFFECTIVE DATE NOTE: At 59 FR 14115, Mar. 25, 1994, in §712.30 paragraph (x), the chemical substances under the category “propylene glycol ethers esters” and all related dates were stayed, effective Mar. 25, 1994. At 60 FR 31921, June 19, 1995, §712.30 was amended in part by redesignating paragraph (x) as paragraph (e).

PART 713—REPORTING REQUIREMENTS FOR THE TSCA INVENTORY OF MERCURY SUPPLY, USE, AND TRADE (Eff. 8-27-18)

Sec.

713.1 Purpose, scope, and compliance.

713.5 Mercury for which information must be reported.

713.7 Persons who must report.

713.9 General requirements for which information must be reported.

713.11 Specific requirements for which information must be reported.

713.13 Contextual requirements for which information must be reported.

713.15 Reporting information to EPA.

713.17 When to report.

713.19 Recordkeeping requirements.

713.21 Electronic filing.

AUTHORITY: 15 U.S.C. 2607(b)(10)(D).

SOURCE: 83 FR 30073, June 27, 2018, unless otherwise noted.

EFFECTIVE DATE NOTE: At 83 FR 30073, June 27, 2018, part 713 was added, effective Aug. 27, 2018.

§713.1 Purpose, scope, and compliance.

(a) This part specifies reporting and recordkeeping procedures under section 8(b)(10) of the Toxic Substances Control Act (TSCA) (15 U.S.C. 2607(b)(10)) for certain manufacturers (including importers) and processors of mercury as defined in section

8(b)(10)(A) to include elemental mercury and mercury compounds. Hereinafter “mercury” will refer to both elemental mercury and mercury compounds collectively, except where separately identified. Section 8(b)(10)(D) of TSCA authorizes the EPA Administrator to require reporting from any person who manufactures mercury or mercury-added products or otherwise intentionally uses mercury in a manufacturing process to carry out and publish in the FEDERAL REGISTER an inventory of mercury supply, use, and trade in the United States. In administering this mercury inventory, EPA is directed to identify any manufacturing processes or products that intentionally add mercury and to recommend actions, including proposed revisions of Federal law or regulations, to achieve further reductions in mercury use. EPA intends to use the collected information to implement TSCA and shape the Agency’s efforts to recommend actions, both voluntary and regulatory, to reduce the use of mercury in commerce. In so doing, the Agency will conduct timely evaluation and refinement of these reporting requirements so that they are efficient and non-duplicative for reporters.

(b) This part applies to the activities associated with the periodic publication of information on mercury supply, use, and trade in the United States. Except as described at §713.7, the reporting requirements for mercury supply,