

Attachment A

**Toxic Substances Control Act (TSCA) Section 8(a)
(15 USC 2607a)**

TITLE 15 - COMMERCE AND TRADE

CHAPTER 53 - TOXIC SUBSTANCES CONTROL

SUBCHAPTER I - CONTROL OF TOXIC SUBSTANCES

Sec. 2607. Reporting and retention of information

(a) Reports

(1) The Administrator shall promulgate rules under which -

(A) each person (other than a small manufacturer or processor) who manufactures or processes or proposes to manufacture or process a chemical substance (other than a chemical substance described in subparagraph (B)(ii)) shall maintain such records, and shall submit to the Administrator such reports, as the Administrator may reasonably require, and

(B) each person (other than a small manufacturer or processor) who manufactures or processes or proposes to manufacture or process -

(i) a mixture, or

(ii) a chemical substance in small quantities (as defined by the Administrator by rule) solely for purposes of scientific experimentation or analysis or chemical research on, or analysis of, such substance or another substance, including any such research or analysis for the development of a product,

shall maintain records and submit to the Administrator reports but only to the extent the Administrator determines the maintenance of records or submission of reports, or both, is necessary for the effective enforcement of this chapter.

The Administrator may not require in a rule promulgated under this paragraph the maintenance of records or the submission of reports with respect to changes in the proportions of the components of a mixture unless the Administrator finds that the maintenance of such records or the submission of such reports, or both, is necessary for the effective enforcement of this chapter. For purposes of the compilation of the list of chemical substances required under subsection (b) of this section, the Administrator shall promulgate rules pursuant to this subsection not later than 180 days after January 1, 1977.

(2) The Administrator may require under paragraph (1) maintenance of records and reporting with respect to the following insofar as known to the person making the report or insofar as reasonably ascertainable:

- (A) The common or trade name, the chemical identity, and the molecular structure of each chemical substance or mixture for which such a report is required.
- (B) The categories or proposed categories of use of each such substance or mixture.
- (C) The total amount of each such substance and mixture manufactured or processed, reasonable estimates of the total amount to be manufactured or processed, the amount manufactured or processed for each of its categories of use, and reasonable estimates of the amount to be manufactured or processed for each of its categories of use or proposed categories of use.
- (D) A description of the byproducts resulting from the manufacture, processing, use, or disposal of each such substance or mixture.
- (E) All existing data concerning the environmental and health effects of such substance or mixture.
- (F) The number of individuals exposed, and reasonable estimates of the number who will be exposed, to such substance or mixture in their places of employment and the duration of such exposure.
- (G) In the initial report under paragraph (1) on such substance or mixture, the manner or method of its disposal, and in any subsequent report on such substance or mixture, any change in such manner or method.

To the extent feasible, the Administrator shall not require under paragraph (1), any reporting which is unnecessary or duplicative.

(3)(A)(i) The Administrator may by rule require a small manufacturer or processor of a chemical substance to submit to the Administrator such information respecting the chemical substance as the Administrator may require for publication of the first list of chemical substances required by subsection (b) of this section.

(ii) The Administrator may by rule require a small manufacturer or processor of a chemical substance or mixture -

(I) subject to a rule proposed or promulgated under section 2603, 2604(b)(4), or 2605 of this title, or an order in effect under section 2604(e) of this title, or

(II) with respect to which relief has been granted pursuant to a civil action brought under section 2604 or 2606 of this title,

to maintain such records on such substance or mixture, and to submit to the Administrator such reports on such substance or mixture, as the Administrator may reasonably require. A rule under this clause requiring reporting may require reporting with respect to the matters referred to in paragraph (2).

(B) The Administrator, after consultation with the Administrator of the Small Business Administration, shall by rule prescribe standards for determining the manufacturers and processors which qualify as small manufacturers and processors for purposes of this paragraph and paragraph (1).

Attachment B

**Display Related to OMB Control #2070-0054
Listings of Related Regulations in 40 CFR 9.1.**

**Display Related to OMB Control #2070-0054 - Listings of
Related Regulations in 40 CFR 9.1**

As of May 10, 1993, the OMB approval numbers for EPA regulations in Chapter I of Title 40 of the Code of Federal Regulations (CFR) appear in a listing in 40 CFR 9.1 (58 FR 27472). This listing fulfills the display requirements in section 3507(f) of the Paperwork Reduction Act (PRA) for EPA regulations. The listing at 40 CFR 9.1 displays this OMB Control number for the following regulations:

<u>Program Title</u>	<u>40 CFR citation</u>
Chemical Information Rules	712.5
.....	712.7
.....	712.20
.....	712.28
.....	712.30
Dibenzo-para-dioxin/Dibenzofurans.....	766.35(b)(1)
.....	766.35(b)(2)
.....	766.35(b)(4)(iii)
.....	766.35(c)(1)(i)
.....	766.35(c)(1)(ii)
.....	766.38
Good Laboratory Practice Standards	Part 792

Attachment C

40 CFR Part 712

This attachment can also be accessed online via Internet at
http://www.access.gpo.gov/nara/cfr/cfrhtml_00>Title_40/40cfr712_00.html.

TITLE 40--PROTECTION OF ENVIRONMENT

CHAPTER I--ENVIRONMENTAL PROTECTION AGENCY

PART 712--CHEMICAL INFORMATION RULES--Table of Contents

Subpart A--General Provisions

Sec.

- 712.1 Scope and compliance.
- 712.3 Definitions.
- 712.5 Method of identification of substances for reporting purposes.
- 712.7 Report of readily obtainable information for subparts B and C.
- 712.15 Confidentiality.

Subpart B -- Manufacturers Reporting -- Preliminary Assessment Information

- 712.20 Manufacturers and importers who must report.
- 712.25 Exempt manufacturers and importers.
- 712.28 Form and instructions.
- 712.30 Chemical lists and reporting periods.

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 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 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 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 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.

§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 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 provided 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 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) Forms must be sent (preferably by certified mail) to the Document Control Office (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, Room G-099, 1200 Pennsylvania Ave., NW., Washington, DC 20460, ATTN: 8(a) PAIR Reporting.

(d) Form 7710-35, Manufacturer's Report--Preliminary Assessment Information or PAIR form and instructions may be obtained by telephoning or writing the Environmental Assistance Division. The telephone number and the address of the Environmental Assistance Division is: Phone Number (202) 554-1404, TDD (202) 554-0551. Address: Environmental Assistance Division (7406), Office of Pollution Prevention and Toxics, Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

[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]

§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) The respondent has previously and voluntarily provided EPA with a Manufacturer's Report on a chemical substance or mixture subject to this subpart B, which contains data for a one-year period ending no more than three 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 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.” Notification letters must be submitted prior to the reporting deadline.

(ii) The respondent has previously submitted a Manufacturer’s Report on a chemical substance or mixture subject to this subpart B to the Interagency Testing Committee, but not to EPA, and that Report contained data for a one-year period ending less than three 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 to EPA, and must submit an accompanying letter 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.” 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) 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 listing. At the discretion of the Assistant Administrator for Prevention, Pesticides and Toxic Substances, 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. Any information submitted must be addressed to the Document Control Office (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, Room G-099, 1200 Pennsylvania Ave., NW., Washington, DC 20460, ATTN: 8(a) Auto-ITC.

(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
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
118-79-6	2,4,6-tribromophenol.....	1/11/90	3/12/90
143-33-9	Sodium cyanide.....	10/29/90	12/27/90
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
3194-55-6	Hexabromocyclododecane.....	1/11/90	3/12/90
3296-90-0	Dibromoneopentyl glycol.....	1/11/90	3/12/90
12185-10-3	White phosphorus.....	1/26/94	3/28/94
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(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(pentabromophenoxy).....	1/11/90	3/12/90

(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.

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.....	Benzene propanal, 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.....	Benzene propanal, .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.....	Ethanodial.....	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.....	Pentanodial.....	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
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 and Alkylphenol Ethoxylates:.			
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
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

2315-66-4.....	Decaethylene glycol 4-isooctylphenyl ether	3/29/96	5/29/96
2497-58-7.....	Hexaethylene glycol 4-isooctylphenyl ether	3/29/96	5/29/96
3180-09-4.....	2-Butylphenol.....	3/29/96	5/29/96
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	5/29/96	
9036-19-5.....	Polyethylene glycol mono(octyl)phenyl ether	3/29/96	5/29/96
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
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
62744-41-6.....	(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	3/29/96	5/29/96
68987-90-6.....	Poly(oxy-1,2-ethanediyl), <greek-a>-(octylphenyl)-<greek-oh>-hydroxy-, branched.	3/29/96	5/29/96
84852-15-3.....	Branched 4-nonylphenol (mixed isomers)	3/29/96	5/29/96
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, monooctadecyl ester.....	10/29/90	12/27/90
3900-04-7.....	Phosphoric acid, monohexyl ester.....	10/29/90	12/27/90
3991-73-9.....	Phosphoric acid, monoctyl 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, diisoctyl ester.....	10/29/90	12/27/90
Brominated flame retardants:			
74-97-5.....	Methane, bromochloro-.....	10/29/90	12/27/90
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)	10/29/90	12/27/90
	oxy))bis-		
25327-89-3.....	Benzene, 1,1'-(1-methylethylidene)bis(3,5-dibromo-4-(2-propenoxy)-	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
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

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
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-isocyanatomethyl-	10/29/90	12/27/90
	phenyl)-	10/29/90	12/27/90
26747-90-0.....	1,3-Diazetidine-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-trimethylcyclo-	10/29/90	12/27/90
	hexyl) methyl)amino)carbonyl)oxy)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			
07311-27-5.....	Ethanol, 2-[2-[2-(p-nonylphenoxy)ethoxy]ethoxy]-	11/29/96	1/27/97
09016-45-9 and 20636-48-0...	Nonylphenol polyethylene glycol ether	11/29/96	1/27/97
20427-84-3.....	Ethanol, 2-[2-(p-nonylphenoxy)ethoxy]-	11/29/96	1/27/97
26027-38-3 and 26064-02-8...	p-Nonylphenol polyethylene glycol ether	11/29/96	1/27/97
26571-11-9.....	Nonylphenol octa(oxyethylene)ethanol	11/29/96	1/27/97
27176-93-8 and 27177-01-1...	Nonylphenoxydiglycol	11/29/96	1/27/97
27177-05-5.....	Nonylphenol hepta(oxyethylene)ethanol	11/29/96	1/27/97
27177-08-8.....	Nonylphenolnona(oxyethylene) ethanol	11/29/96	1/27/97
27986-36-3.....	Nonylphenoxy ethanol	11/29/96	1/27/97
37205-87-1.....	Poly(oxy-1,2-ethanediyl), alpha-(isononylphenyl)-omega-hydroxy	11/29/96	1/27/97
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

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.....	tert-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.....	sec-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.....	o-Nitrotoluene.....	3/11/94	5/10/94
89-72-5.....	o-sec-Butylphenol.....	3/11/94	5/10/94
90-04-0.....	o-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.....	o-Chlorotoluene.....	3/11/94	5/10/94
95-50-1.....	o-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.....	t-Butylcatechol.....	8/4/95	10/3/95
99-08-1.....	m-Nitrotoluene.....	8/4/95	10/3/95
99-65-0.....	m-Dinitrobenzene.....	3/11/94	5/10/94
99-99-0.....	p-Nitrotoluene.....	8/4/95	10/3/95
100-00-5.....	p-Nitrochlorobenzene.....	3/11/94	5/10/94
100-01-6.....	p-Nitroaniline.....	3/11/94	5/10/94
100-44-7.....	Benzyl chloride.....	3/11/94	5/10/94
100-25-4.....	p-Dinitrobenzene.....	1/26/94	3/28/94
100-63-0.....	Phenylhydrazine.....	3/11/94	5/10/94
105-46-4.....	sec-Butyl acetate.....	1/26/94	3/28/94
106-42-3.....	p-Xylene.....	1/26/94	3/28/94
106-46-7.....	p-Dichlorobenzene.....	8/4/95	10/3/95
106-49-0.....	p-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.....	m-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.....	beta-Chloroprene.....	3/11/94	5/10/94
127-19-5.....	Dimethyl acetamide.....	8/4/95	10/3/95
142-82-5.....	Heptane (n-Heptane).....	1/26/94	3/28/94
150-76-5.....	p-Methoxyphenol.....	3/11/94	5/10/94
287-92-3.....	Cyclopentane.....	1/26/94	3/28/94
528-29-0.....	o-Dinitrobenzene.....	3/11/94	5/10/94
532-27-4.....	a-Chloroacetophenone.....	1/26/94	3/28/94
540-59-0.....	1,2-Dichloroethylene.....	3/11/94	5/10/94
540-88-5.....	tert-Butyl acetate.....	1/26/94	3/28/94
542-92-7.....	Cyclopentadiene.....	8/4/95	10/3/95
626-17-5.....	m-Phthalodinitrile.....	3/11/94	5/10/94
628-63-7.....	n-Amyl acetate.....	1/26/94	3/28/94
768-52-5.....	N-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
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-tert-butyl ether....	1/26/94	3/28/94
88917-22-0.....	Dipropylene glycol monomethyl ether acetate	1/26/94	3/28/94

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.....	Octadecamethyloctasiloxane.....	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.....	Triacontamethyltetradecasiloxane.....	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.....	Tetramethyldivinyldisiloxane.....	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.....	Triacontamethylcyclopentadecasiloxane..	10/12/93	2/28/94
23732-94-7.....	Hexacosamethylcyclotridecasiloxane.....	10/12/93	2/28/94
36938-50-8.....	Tetratriacontamethyl 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	0/12/93	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
150026-95-2.....	Dotriacontamethylcyclohexadecasiloxane	10/12/93	2/28/94
150026-96-3.....	Tetratriacontamethylcycloheptadecasiloxane	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-Morpholinylidithio)-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.....	Trichloromethanesulfenyl 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
52218-35-6.....	2-[(6-Amino-2-naphthalenyl)sulfonyl]ethanol	9/30/91	11/27/91
53061-10-2.....	1,1'-[Oxybis(methylenesulfonyl)]bis-2-chloroethane	9/30/91	11/27/91
63134-33-8.....	4-[[4-(Phenylmethoxy)phenyl]sulfonyl]phenol	9/30/91	11/27/91

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

[47 FR 26998, June 22, 1982]