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Office of
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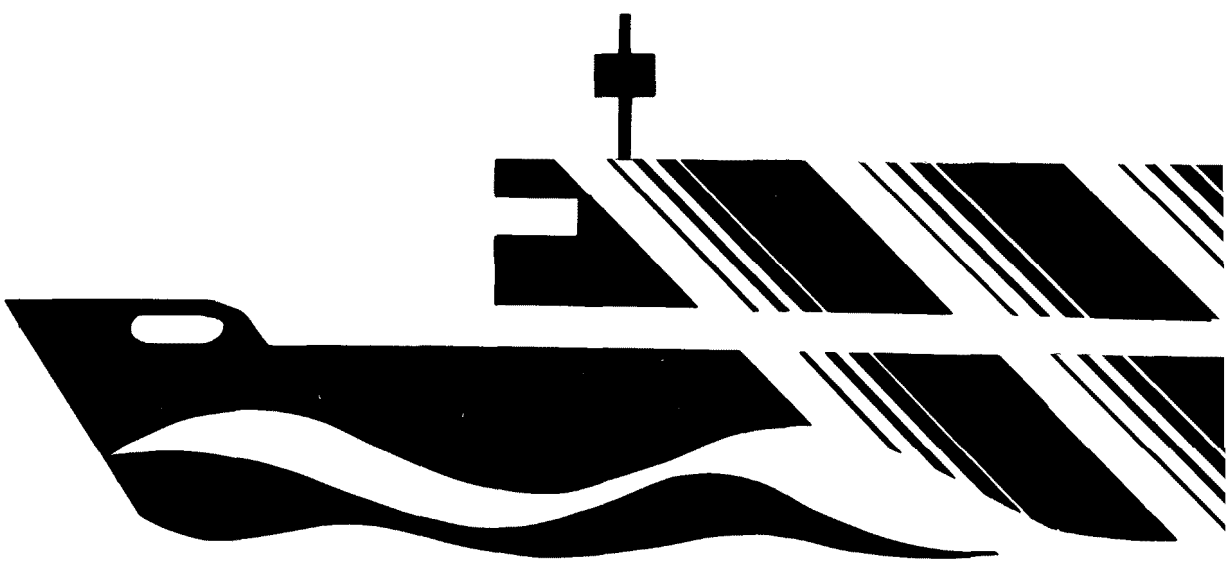
Toxic Substances Control Act

A Guide for Chemical Importers/Exporters

Volume 2: List of Import/Export Chemicals



This revised five-part volume supplements the overview of import/export regulations in Volume 1. It provides a listing of chemical substances that are subject to section 12(b), Exports, and chemicals which are subject to specific proposed or final regulations relevant to section 13, Imports, of the Toxic Substances Control Act (TSCA). The importer should be aware that this new listing is current only to June 30, 1986, that he is responsible for knowing what changes have occurred since then, and should familiarize himself with the Importer's Checklist, Volume 1, Pages 21-23.

This volume also provides excerpts and key points of each applicable rule, as well as Federal Register citations of specific rulemaking actions applicable to each of the chemicals listed. Each chemical substance (subject to TSCA regulations) that is imported into the United States must be listed on the TSCA Inventory of Chemical Substances.

Part I covers chemicals that are subject to specific final regulations under sections 5 and 6 of TSCA.

Part II lists chemicals addressed by advance notice of proposed rulemaking and proposed rulemaking under sections 5 and 6 of TSCA.

Part III covers chemicals subject to proposed and final rules under sections 4 and 8 of TSCA.

Part IV covers chemicals that require export notification to EPA under section 12(b).

Part V is a numerical index of all chemicals listed in Volume 2 by CAS number.

For more information call (202) 554-1404.

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PART I

CHEMICALS SUBJECT TO SPECIFIC FINAL REGULATIONS UNDER SECTIONS 5 AND 6 OF TSCA

NOTE: The following import certification is required for the chemicals listed:

"I certify that all chemical substances in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA."

Two footnotes, as follows, are used throughout Part I:

Chemical Abstract Service (CAS) numbers followed by two asterisks are taken from the TSCA Inventory of Chemical Substances and appear only in that inventory.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Asbestos, 1332-21-4	47 FR 23360 May 27, 1982 40 CFR Part 763 Final Rule - Section 6(a)	EPA requires public and private elementary and secondary schools in the United States to identify friable asbestos-containing building materials, maintain records and notify employees of the location of the friable materials which contain asbestos, provide the employees with instructions on reducing exposures to asbestos, and notify the School's parent-teacher association of the inspection results.
1,2-Benzene-diamine, 4-ethoxy, sulfate, 85137-09-3	49 FR 43085 October 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) for a substance which was the subject of PMN P-83-105. Persons must notify EPA at least 90 days before they manufacture, import, or process this substance as a powder or dry solid.
Benzoic acid, 3,3'-methylenebis (6-amino-,di-2-propenyl ester, 61386-02-5	51 FR 16684 May 6, 1986 40 CFR 23.5 Final Rule-Section 5(a)(2)	EPA issued a significant new use rule (SNUR) for a chemical substance that was the subject of premanufacture notice (PMN) P-82-438. The Agency believes that this substance may be hazardous to human health and the environment and that the uses described in this rule may result in significant human or environmental exposure.
Chlorofluoro-carbons: Methane, bromochloro-, 74-97-5; methane, chlorodifluoro, 75-45-6; methane, trichlorofluoro, 75-69-4; methane, dichlorodifluoro, 75-71-8; methane,	43 FR 11318 March 17, 1978 Parts 712, 762 Final Rule - Section 6	This rule prohibits almost all of the manufacture, processing, and distribution in commerce of fully halogenated chlorofluoroalkanes (hereinafter referred to as chlorofluorocarbons) for those aerosol propellant uses which are subject to the Toxic Substances Control Act (TSCA), 15 U.S.C. 2601 et seq.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) chlorotrifluoro, 75-72-9; ethane, 1,2-dichloro-1,1,2,2-tetrafluoro, 76-14-2; ethane, chloro-pentafluoro, 76-15-3; methane, bromochlorodifluoro, 353-59-3.		Some exceptions to this rule were granted; they concerned a few pesticides products and products used by the Department of Defense in electronics/electrical and aviation industries.
Dicarboxylic acid monoester	49 FR 43961 October 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) for a chemical substance which was the subject of premanufacture notice (PMN) P-83-255 and a section 5(e) consent order issued by EPA. Persons must notify EPA at least 90 days before they (1) manufacture this substance in the United States for commercial purposes, (2) fail to use special gloves during processing or use operation, or (3) fail to affix special labelling for distribution in commerce by any person, including importers, processors, and distributors.
Disubstituted Diamino anisole	50 FR 34463 August 26, 1985 40 CFR Part 721 Final Rule-Section 5(a)(2)	EPA is issuing a significant new use rule (SNUR) for a chemical substance that was the subject of premanufacture notice (PMN) P-83-822 and a section 5(e) consent order. The Agency believes that this substance may be hazardous to human health and that the uses described in this rule may result in significant human exposure. EPA is designating the following as significant new uses of the substance: (1) Use other than

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) as an intermediate and (2) manufacturing, importing, or processing for use as an intermediate without establishing a program whereby (a) persons who may be exposed to the substance wear protective gloves and (b) packages of the substance are appropriately labeled.
Ethylamine distillation residues, 79771-09-8	49 FR 46373 November 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)	See isopropylamine distillation residues.
Hexachloronorbornadiene (HEX-BCH) 3389-71-7	50 FR 47534 November 19, 1985 40 CFR 704 and 721 Final Rule-Section 5(a)(2)	EPA is requiring certain manufacturers, importers, and processors of hexachloronorbornadiene to submit a report to EPA under section 8(a), and is requiring other manufacturers, importers, and processors of HEX-BCH to submit a significant new use notice under section 5(a) of TSCA. The reports and notices will allow EPA to monitor: the volume of HEX-BCH manufactured, imported, and processed; the number of individuals exposed to HEX-BCH; the manner of its environmental release; and the method of its disposal. EPA will evaluate the reported information to determine if further regulatory action is needed.
Hexamethylphosphoramide (HMPA) 680-31-9 and Urethane 51-79-6	51 FR 9450 March 19, 1986 40 CFR Part 721 Final Rule-Section 5(a)(2)	EPA is promulgating a significant new use rule (SNUR) for two chemical substances. These substances are hexamethylphosphoramide (HMPA) and urethane. The Agency believes that these substances may be

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) hazardous to human health, and that the use of these substances may result in significant human and environmental exposures. Persons who intend to commence a designated significant new use of these substances must notify EPA at least 90 days before commencing such an activity. This notice will furnish EPA with the information needed to evaluate an intended use and the opportunity to protect against a potentially adverse exposure to the chemical substance before it can occur.
Isopropylamine distillation residues, 79771-08-7	49 FR 46373 November 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) for isopropylamine distillation residues and ethylamine distillation residues, which were the subjects of premanufacture notices (PMN) P-80-289 and P-80-290 respectively. This particular SNUR requires persons to notify EPA at least 90 days before manufacturing, importing, or processing these substances for use in metalworking fluids. EPA believes that these substances may react with nitrosating agents in metalworking fluids to form carcinogenic nitrosamines and that use of the contaminated metalworking fluids could result in significant human exposure to nitrosamines.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Methylpyridine, substituted (substituted pyridine)*	49 FR 50396 December 28, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2) (5 Chemicals)	A significant new use rule (SNUR) for five chemical substances, two of which are identified generically as substituted methylpyridine and substituted 2-phenoxypyridine, which were the subject of premanufacture notices (PMNs) P-83-23, P-83-24, P-83-49, P-83-75, and P-83-272, and a TSCA section 5(e) consent order issued by EPA. Persons must notify EPA at least 90 days before they fail to require use of protective gear and notify workers in writing of the hazards involved in manufacture or processing of these substances.

*An alternate chemical name within parentheses, followed by an asterisk, indicates an alternate name used for a TSCA 5(e) consent order for this chemical.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Nitrites, mixed mono and diamides of an organic acid	49 FR 36846 September 20, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)	This rule prohibits the addition of any nitrosating agent, such as nitrites, to the chemical substance known generically as mixed mono and diamides of an organic acid (subject of PMN P-84-529) when it is or could be used in metalworking fluids. The rule also requires distributors of the substance to notify customers of the restrictions of the rule through letters sent prior to shipment of the substance and to notify machine shop workers of the health hazard through labels on metalworking fluids containing the substance.
2-Phenoxypyridine, substituted (substituted phenol; sodium 2-substituted propanoate)*	49 FR 50396 December 28, 1984 40 CFR Part 721 Final Rule - Section 5(a)	See discussion of methylpyridine, substituted.
Polychlorinated biphenyls (criteria modifications); 1,1-biphenyl, chlorinated, 1336-36-3**	44 FR 31514 May 31, 1979 40 CFR Part 761 Final Rule - Section 6	This rule prohibits the manufacture, processing, distribution in commerce, and use of PCBs. Specifically, this rule: (1) Prohibits all manufacturing of PCBs after July 2, 1979, unless specifically exempted by the EPA; (2) Prohibits the processing, distribution in commerce, and use of PCBs except in a totally enclosed manner after July 2, 1979; (3) Authorizes certain processing, distribution in commerce, and use of PCBs in a non-totally enclosed manner (which would otherwise be subject to the prohibition described above);

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) (4) Prohibits all processing and distribution in commerce of PCBs after July 1, 1979, unless specifically exempted by EPA.
Polychlorinated biphenyls (for use in electrical equipment) 1336-36-3**	47 FR 37342 August 25, 1982 40 CFR Part 761 Final Rule - Section 6 (Note: See modification of this rule, 50 FR 29170 July 17, 1985 40 CFR Part 761.)	This rule authorizes the use of PCBs in capacitors and the use and servicing of PCBs in electromagnets, circuit breakers, voltage regulators, reclosers, cable, switches (including sectionalizers and motor starters), and transformers other than railroad transformers. It also provides for the distribution in commerce and disposal of this electrical equipment.
Polychlorinated biphenyls (closed and controlled waste manufacturing) 1336-36-3*	47 FR 46980 October 21, 1982 40 CFR Part 761 Final Rule - Section 6	This final rule amends portions of an existing EPA rule concerning certain chemical substances known as polychlorinated biphenyls (PCBs). TSCA, 15 U.S.C. 2605(e), generally prohibits the manufacture, processing, distribution in commerce, and use of PCBs. This rule excludes from the TSCA prohibitions, those PCBs produced in certain limited manufacturing processes.
Polychlorinated biphenyls (railroad transformers) 1336-36-3*	48 FR 124 January 3, 1983 40 CFR Part 761 Final Rule - Section 6	On May 31, 1979, EPA promulgated a rule under section 6(e) that authorized the use of polychlorinated biphenyls (PCBs) in railroad transformers until July 1, 1984. Under this authorization, these transformers could not contain dielectric fluids with a PCB concentration exceeding 60,000 parts per million (ppm) (6 percent) after January 1, 1982, and exceeding 1,000 ppm (0.1

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) percent) after January 1, 1984. This rule amends the use authorization by: (1) Requiring these railroad organizations to meet the 60,000 ppm concentration level by July 1, 1986; and (2) authorizing the use of PCBs for the remaining useful life of these transformers at concentrations below 1,000 ppm. Finally, EPA is also amending the May 1979 rule to permit railroad organizations to service these transformers to reduce PCB concentrations and thereby to reduce the costs of disposal.
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce and use prohibitions; response to individual and class petitions for exemptions), 1336-36-3**	49 FR 28154 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)	This rule addresses 109 individual and class petitions for exemption from the prohibition against the manufacture, processing, distribution in commerce, and use of PCBs. In this rule, EPA is granting 58 exemption petitions; granting in part and denying in part one exemption petition; denying 49 exemption petitions; and dismissing one exemption petition.
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce, and use prohibitions; exclusions, exemptions, and use authorizations), 1336-36-3**	49 FR 28172 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)	This rule excludes certain processes from PCB regulation, based on EPA's determination that PCBs generated in these processes do not present an unreasonable risk of injury to health or the environment. In addition, this notice defers action on 49 exemption petitions to manufacture, process, and distribute PCBs in commerce; authorizes the use of PCBs in

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) heat transfer and hydraulic systems at concentrations of less than 50 parts per million (ppm); and authorizes the use of PCBs in the compressors and in the liquid of natural gas pipelines at concentrations of less than 50 ppm.
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce, and use prohibitions; use in microscopy and research and development), 1336-36-3**	49 FR 28193 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)	This rule authorizes indefinitely the use of PCBs as mounting media in microscopy, as immersion oils in low fluorescence microscopy, as optical liquids, and for use in research and development. This rule does not authorize the use of PCBs as calibration standards.
Polychlorinated biphenyls (modification of definition of "totally enclosed"), 1336-36-3**	49 FR 44634 November 8, 1984 40 CFR Part 761 Final Rule - Section 6(e)	TSCA generally prohibits the manufacture, processing, distribution in commerce, and use of PCBs in other than a totally enclosed manner. This particular final rule modifies the May 1979 PCB Rule to be consistent with EPA's current approach to assessing exposure to PCBs.
Polyglycidyl benzeneamine, substituted (polyglycidyl amine)*	49 FR 43649 October 31, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) for a chemical substance which was the subject of premanufacture notice (PMN) P-83-394 and a section 5(e) consent order. The Agency believes that the uses described in this rule could allow significant exposure to P-83-394. Persons must notify EPA at least 90 days before they (1) use this substance in spray applications, (2) fail to require

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) protective equipment and provide information as to why this protective equipment is required by persons engaged in manufacture or processing this substance, or (3) fail to affix special package labelling.
Potassium N,N-bis(hydroxyethyl) cocoamine oxide phosphate, 85712-26-1	49 FR 35011 September 5, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) for potassium N,N-bis(hydroxyethyl) cocoamine oxide phosphate and potassium N,N-bis (hydroxyethyl) tallowamine oxide phosphate, which were subjects of premanufacture notices (PMNs) P-82-400 and P-82-409 respectively and a TSCA section 5(e) consent order prohibiting use of the substances in consumer products. This particular SNUR requires persons to notify EPA at least 90 days before manufacturing, importing, or processing these substances for use in consumer product formulations containing greater than five percent by weight of these substances.
Potassium N,N-bis(hydroxyethyl) tallow-amine oxide phosphate, 85712-27-2	49 FR 35011 September 5, 1984 40 CFR Part 721 Final Rule - Section 5(a)	See discussion of potassium N,N-bis_(hydroxyethyl) cocoamine oxide phosphate.
Tetrachlorodi-benzo-p-Dioxin, 1746-01-6	45 FR 32677 May 19, 1980 40 CFR Part 775 Final Rule - Section 6	This rule prohibits the Vertac Chemical Company (Vertac) of Memphis, Tennessee, from disposing of certain wastes containing 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) at its Jacksonville, Arkansas, facility and requires other persons intending to dispose

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) of TCDD- containing wastes to notify EPA sixty days in advance of such disposal. This rule also requires all persons who intend to dispose of any wastes resulting from the production of 2,4,5-TCP (2,4,5-Trichlorophenol) or its pesticide derivatives or from production of other substances on equipment which was previously used for production of 2,4,5-TCP or its pesticide derivatives to notify EPA of such intent at least sixty days before the disposal.
Tetrachloroethylene derivatives	49 FR 43928 October 25, 1984 40 CFR Part 721 Final Rule - Section 5(a)(2)	A significant new use rule (SNUR) TSCA for a chemical substance which was the subject of premanufacture notice (PMN) P-82-684 and a section 5(e) consent order issued by EPA. Persons must notify EPA at least 90 days before they manufacture or process this substance without (1) requiring certain protective equipment by persons employed by or under the control of the manufacturer or processor who is involved with or in the immediate area of any operation where dermal contact and or inhalation of the substance may occur, or (2) conforming to certain packaging and labelling requirements.
Tricarboxylic acid	49 FR 2762 January 23, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)	This rule prohibits the addition of nitrosating agents such as nitrites to the chemical substance known generically as the triethanolamine salt of tricarboxylic acid (subject of

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) PMN P-83-1005) when it is or could be used as or in metalworking fluids. The rule also requires distributors of the substance to notify customers of the restrictions of the rule through letters sent prior to shipment of the substance and to notify machine shop workers of the health hazard through labels on metalworking fluids containing the substance. In addition, the rule requires distributors of tricarboxylic acid (subject of PMN P-83-1062), which, when combined with water and triethanolamine, produces the triethanolamine salt of tricarboxylic acid, to notify customers of the restrictions of the rule through letters sent prior to shipment of the substance.
Triethanolamine salt of tri-carboxylic acid	49 FR 2762 January 23, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)	See discussion of Tricarboxylic acid.
Triethanolamine salt of a substituted organic acid	49 FR 24658 June 14, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)	This rule prohibits the addition of any nitrosating agent, such as nitrites, to the chemical substance known generically as triethanolamine salt of a substituted organic acid (subject of PMN P-84-310) when it is or could be used in metalworking fluids. The rule also requires distributors of the substance to notify customers of the

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) restrictions of this rule through letters sent prior to shipment of the substance and to notify machine shop workers of the health hazard through labels on metalworking fluids containing the substance.

PART II

CHEMICALS SUBJECT TO ADVANCE NOTICE OF PROPOSED RULEMAKING AND PROPOSED RULEMAKING UNDER SECTIONS 5 AND 6 OF TSCA

NOTE: The following import certification is required for the chemicals listed:

"I certify that all chemical substances in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA."

NOTE: Because these are proposed rules, importers are not yet subject to them. However, they are included here to alert importers to the fact that these chemicals are likely to become subject to final regulations. At that time, the importer would be required to ensure compliance with the final regulation before importing the chemical and before signing the section 13 certification. (Note, however, that these chemicals are already subject to section 12(b) export notification requirements.)

For further information on the current status of these regulations, contact the TSCA Assistance Office at (202) 554-1404.

Two footnotes, as follows, are used throughout Part II:

Chemical Abstract Service (CAS) numbers followed by two asterisks are taken from the TSCA Inventory of Chemical Substances and appear only in that inventory.

An alternate chemical name within parentheses, followed by an asterisk, indicates an alternate name used for a TSCA 5(e) consent order for this chemical.

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Chemical	Rule Reference	Excerpt of Rule (key points)
8-Acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-triaza-spiro [4,5] decane-2,4-dione, 82537-67-5	49 FR 1753 January 13, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) which would require persons to notify EPA at least 90 days before manufacturing, importing, or processing a substance for a "significant new use". This SNUR applies to a chemical substance that was the subject of pre-manufacture notice (PMN) P83-370 and a section 5(e) Consent Order issued by EPA. EPA is proposing to define as new uses: any manufacture of the substance within the United States; processing the substance without certain personal protective equipment; or any distribution of the substance without a precautionary label statement specifying proper handling procedures to be affixed to all containers of the substance. These new uses were not allowed under the Consent 5(e) order.
Alkanetriol dimethacrylate, substituted	50 FR 12046 March 27, 1985 40 CFR 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for six chemical substances. These were the subjects of premanufacture notices (PMNs): P-84-176, P-84-180, P-84-181, P-84-182, P-84-183, and P-84-184, respectively. The proposed rule would designate the following as significant new uses: Any use other than as a component in industrial coatings; any spray application or any application process that generates an aerosol or mist unless engineering

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 12046 March 27, 1985 40 CFR 721 Proposed Rule - Section 5(a)(2)	(Continued) controls and personal equipment are required; any method of disposal, other than by incineration or landfill which meets all applicable local, State and Federal regulations; and any release of P-84-180, P-84-181, P-84-182, or P-84-184 into navigable waters. The SNUR would also designate as a new use any manufacturing, importing, or processing without establishing a program whereby: (1) Certain personal protective gloves and clothing, and safety goggles are required; (2) persons required to wear protective clothing and equipment are informed regarding the health concerns which may be presented; (3) packages containing the six substances of formulations of the chemicals are labeled according to specifications in the rule; and (4) a material safety data sheet is prepared to accompany commercial distribution of any of the substances. The SNUR would require persons to notify EPA at least 90 days before manufacturing, importing, or processing these six substances for a significant new use.
Alkanetriol polyalkylene glycol ester acrylate, substituted	50 FR 12046 March 27, 1985 40 CFR 721 Proposed Rule 5 - Section 5(a)	See discussion of alkanetriol dimethacrylate, substituted

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Chemical	Rule Reference	Excerpt of Rule (key points)
Alkyl aryl phosphine	49 FR 36880 September 20, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for alkyl aryl phosphine, which was the subject of premanufacture notice (PMN) P-83-1023 and a section 5(e) consent order. Persons must notify EPA at least 90 days before (1) manufacturing, importing, or processing this substance without protective gear for workers, (2) manufacturing or importing amounts of this substance exceeding those allowed by the 5(e) consent order, or (3) distribution in commerce by any person without specified labelling.
Alkylene glycolmono-methacrylate, substituted	50 FR 12046 March 27, 1985 40 CFR 721 Proposed Rule - Section 5(a)	See discussion of alkanetriol dimethacrylate, substituted.
Alkyl glycoether acrylic acid derivative (polyol carboxylate ester)*	49 FR 49868 December 24, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for a chemical substance which was the subject of premanufacture notice (PMN) P-84-27 and a section 5(e) consent order issued by EPA. Persons must notify EPA at least 90 days before (1) manufacturing, importing, or processing this substance without specified protective gear for workers, (2) failing to affix specified package labels, or (3) disposing of manufacturing or processing waste from this substance into "navigable waters" with drinking water intakes downstream, or at a facility not approved under the Resource Conservation and Recovery Act of 1976.

*An alternate chemical name within parentheses, followed by an asterisk, indicates an alternate name used for a TSCA 5(e) consent order for this chemical.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Certain Alkylsulfonic acids, ammonium salts	51 FR 21190 June 11, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA is proposing a significant new use rule (SNUR) for the chemical substances which were the subject of premanufacture notices (PMNs) P-84-1054 and P-84-1056. The Agency believes that these substances may be hazardous to aquatic organisms and that any use of these substances or the manufacture, import, processing, distribution in commerce, or disposal associated with any use of these substances may result in significant releases to the aquatic environment. Once a use is determined to be a significant new use, persons must submit a notice to EPA at least 90 days before they manufacture, import, or process the substances for that use.
Aminophenol, 27598-85-2	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for four chemical substances which were the subject of premanufacture notices (PMNs) and a TSCA section 5(e) consent order. Persons must notify EPA at least 90 days before (1) manufacturing, importing, or processing these substances without specified protective gear for workers, (2) failing to package and label these substances in specified ways, or (3) maintaining certain records for five years after the date of their creation.
Anilino ether	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)	See discussion of aminophenol.

CHEMICALS SUBJECT TO ADVANCE NOTICE OF PROPOSED RULEMAKING AND PROPOSED RULEMAKING UNDER SECTIONS 5 AND 6 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Asbestos	51 FR 3738 January 29, 1986 40 CFR Part 763 Proposed Rule-Section 6	EPA proposed a rule to prohibit the manufacture, importation, and processing of asbestos in certain products and to phase out the use of asbestos in all other products. The products EPA proposes to ban are asbestos-cement pipe and fittings, roofing felts, flooring felts (and felt-backed sheet flooring), vinyl-asbestos floor tile, and asbestos clothing. EPA is considering prohibiting the manufacture, importation, and processing of categories of asbestos products at staged intervals. EPA is considering banning the manufacture, importation, and processing of asbestos construction products and asbestos clothing soon after the rule's promulgation with the category of asbestos friction products banned about 5 years later, and other asbestos products banned at a later time.
Benzophenone-tetracarboxylic acid dimethyl ester	49 FR 50209 December 27, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for three chemical substances which were the subjects of premanufacture notices (PMNs): (P-81-69) benzophenonetetra-carboxylic acid dimethyl ester, reaction product with methylenedianiline and substituted pyridine; (P-81-125) benzophenonetetracarboxylic acid dimethyl ester, reaction product with methylenedianiline and alkylenediamine; and benzo-

CHEMICALS SUBJECT TO ADVANCE NOTICE OF PROPOSED RULEMAKING AND PROPOSED RULEMAKING UNDER SECTIONS 5 AND 6 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) phenonetetracarboxylic acid dimethyl ester, reaction product with methylenedianiline, aklylenediamine and substituted pyridine. Persons must notify EPA at least 90 days before using these chemicals as or in intumescent coatings (chemical substances which, when exposed to heat, form fire resistant or retardant coatings).
Brominated aryl alkyl ether	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)	See discussion of aminophenol.
Bromothiophene, substituted (disubstituted heterocycle)*	49 FR 3810 September 28, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for substituted bromothiophene, which was the subject of premanufacture notice (PMN) P-83-769 and a TSCA section 5(e) consent order issued by EPA. Persons must notify EPA at least 90 days before manufacture, import, or processing this substance without certain protective equipment, engineering controls, and packaging requirements.

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Chemical	Rule Reference	Excerpt of Rule (key points)
((Dinitrophenyl) Azo)-(2,4-diamino-5-methoxybenzene) derivatives	49 FR 42960 October 25, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for substances which were the subject of premanufacture notices (PMNs) P-83-817 and P-83-818. Persons must notify EPA at least 90 days before manufacture, import, or processing these substances as a powder or dry solid.
Ethylated aminophenol	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)	See discussion of aminophenol.
Formaldehyde, 50-00-0	49 FR 21870 May 23, 1984 40 CFR Part 765 Advance Notice of Proposed Rulemaking - Section 6(a)	EPA is investigating requlatory options for exposure due to residence in conventional and manufactured homes containing construction materials in which certain formaldehyde-based resins are used.
Glycol ethers: 2-methoxyethanol, 109-86-4; 2-ethoxy-ethanol, 101-30-5; 2-methoxyethanol acetate, 110-49-6; 2-ethoxyethanol acetate, 111-15-9	49 FR 2921 January 24, 1984 40 CFR Part 754 Advance Notice of Proposed Rulemaking - Section 6(a)	EPA is exploring regulatory options to reduce or eliminate the risks of exposure to these four chemical substances.
Halogenated-N-(2-propenyl)-N-(substituted phenyl) acetamide	50 FR 34500 August 26, 1985 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA has issued a significant new use rule (SNUR) which would require persons to notify EPA at least 90 days before manufacturing, importing, or processing a substance for a "significant new use." This SNUR applies to a chemical substance that was the subject of premanufacture notice (PMN) P83-1085 and a section 5(e) consent order. EPA is proposing to define the following as new

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) uses: manufacture of the substance in the United States; use other than as an intermediate; processing or distribution in commerce without establishing a program whereby persons who may be dermally exposed to the substance are required to use certain personal protective equipment and are informed of the health concerns presented by the substance; packaging the substance without proper labelling; distribution of the substance in commerce without inclusion of a material safety data sheet (MSDS); and release of the substance into navigable waters. These new uses were not allowed under the 5(e) consent order. The Agency is concerned that this substance may present an unreasonable risk to human health if these defined new uses occur.
Methylammonium n-methyldithiocarbamate	51 FR 10027 March 24, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA is proposing a significant new use rule (SNUR) for a chemical substance which was the subject of premanufacture notice (PMN) P-84-1042 and a section 5(e) consent order. The Agency believes that this substance may be hazardous to human health and that the uses described in this proposed rule may result in significant human or environmental exposure.

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Chemical	Rule Reference	Excerpt of Rule (key points)
4-4'-Methylenebis (2-chlorobenzen-amine) (MBOCA) or 4-4'-Methylenebis (2-chloroaniline) 101-14-4	50 FR 16519 April 26, 1985 Proposed Rule-Section 5(a)(2)	EPA has proposed a significant new use rule (SNUR) for MBOCA. Under this rule, U.S. manufacturers would be required to notify EPA at least 90 days before they begin production and to adhere to the same requirements as submitters of premanufacture notices (PMNs). Importers of MBOCA would be exempted from the requirements of this rule because the substance is currently being imported. This activity is an ongoing use and therefore cannot be identified as a significant new use. The SNUR would also not cover processing and use activities that occur away from the MBOCA manufacturing site, nor would it require information on commercial distribution outside the plant. Potential health and environmental risks associated with these activities are under EPA consideration.
4,4'-Methylene-dianiline, 101-77-9	48 FR 42898 September 20, 1983 40 CFR Part 764 Advanced Notice of Proposed Rulemaking - Section 6 Referral to OSHA-Section 9(a)	In 1983, EPA announced its intention to consider proposing regulation of this chemical under TSCA. On July 5, 1985, EPA referred it to the Occupational Safety and Health Administration.
Methylphenol, bis, (substituted alkyl)	50 FR 11391 March 21, 1985 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for the chemical substance, Methylphenol, bis (substituted alkyl), which was the subject of the premanufacture notice (PMN) P-84-417. The SNUR would require persons to notify EPA at least 90 days before manufacturing, implementing, or processing the substance for: (1) Use other than as an antioxidant/stabilizer

CHEMICALS SUBJECT TO ADVANCE NOTICE OF PROPOSED RULEMAKING AND PROPOSED RULEMAKING UNDER SECTIONS 5 AND 6 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) for polymers; (2) use in an aggregate volume greater than that permitted under the terms of the section 5(e) consent order issued for PMN P-84-417. The rule would also designate as a significant new use the manufacture or processing of the substance without establishing a program whereby: (1) Workers who may be exposed are required to use certain personal protective equipment; (2) workers who may be exposed are informed of the possible hazards associated with the substance; (3) containers of the substance are labeled, and; (4) shipments of the substance are accompanied by an MSDS.
N,N,N',N'-Tetrakis (oxiranylmethyl)-1,3-cyclohexane-dimethanamine 65992-66-7	51 FR 1396 January 13, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA proposed a significant new use rule (SNUR) for a chemical substance that was the subject of premanufacture notice (PMN) P-84-7 and a section 5(e) consent order. The Agency believes that this substance may be hazardous to human health and that the use described in this proposed rule may result in significant human or environmental exposure.
Pentachloroethane 76-01-7	51 FR 10024 March 24, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA is proposing a significant new use rule (SNUR) that would require persons to notify EPA at least 90 days before commencing the manufacture, import, or processing of pentachloroethane for any use. EPA believes that this action is necessary because pentachloroethane may be hazardous to human health, and any use of it may result in

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) significant human exposure. The notice will furnish EPA with the information needed to evaluate an intended use and the opportunity to protect against potentially adverse exposure to the chemical substance before it can occur.
2-Phenoxypyridine, substituted	49 FR 4390 February 6, 1984 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A proposed significant new use rule (SNUR) to require persons to notify EPA at least 90 days before manufacturing, importing, or processing a substance for a "significant new use." This SNUR covers two substituted methyl-pyridines and a substituted 2-phenoxypyridine, which were the subjects of premanufacture notices (PMNs) P-82-326, P-83-237, and P-83-330, respectively. EPA is proposing that any manufacturing or processing without using certain protective equipment be designated as a "significant new use" of each of the substances. EPA is also proposing that any release to navigable waters from manufacturing or processing operations of PMN substance P-82-326 be a "significant new use." EPA believes this rule is necessary to alert the Agency to increased risk.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Certain Acrylate and Methacrylate Chemicals Polyalkyl-alkanediol mono-methacrylate, substituted Polyalkyldiol mono-acrylate, substituted Polyalkylene glycol mono-methacrylate, substituted	50 FR 12046 March 27, 1985 40 CFR 721 Proposed Rule - Section 5(a)	See discussion of alkanetriol dimethacrylate, substituted.
Polychlorinated biphenyls (PCBs) 1336-36-3	50 FR 35182 August 29, 1985 40 CFR Part 761 Proposed Rule-Section 6	This rule proposes action on 22 petitions for exemption from the prohibition against the manufacture, processing, and distribution in commerce of PCBs. EPA proposes to do the following: grant eight individual exemption petitions; grant a class exemption including six individual exemption petitions; deny six individual exemption petitions; and dismiss two individual exemption petitions. Section 6(e) prohibits the manufacture of PCBs after January 1, 1979, and the processing and distribution in commerce of PCBs after July 1, 1979. Section 6(e)(3)(B) of TSCA provides that any person may petition the Administrator for an exemption from the above-mentioned prohibition for one year. The Administrator may by rule grant an exemption if he/she

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) finds that "(i) an unreasonable risk of injury to health or the environment would not result, and (ii) good faith efforts have been made to develop a chemical substance that does not present an unreasonable risk of injury to health or the environment and that may be substituted for such polychlorinated biphenyl." EPA's Interim Procedural Rules for PCB Manufacturing Exemptions describe the required content of manufacturing exemption petitions and the procedures EPA follows in rulemaking on exemption petitions (Federal Register of November 1, 1978 (43 FR 50905)). EPA's Interim Procedural Rules for Processing and Distribution in Commerce Exemptions describe the required content of processing and distribution in commerce exemption petitions and the procedures EPA follows in rulemaking on exemption petitions (Federal Register of May 31, 1979 (44 FR 31560)).
Poly(2-hydroxy-propyl) melamine, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-cyclohexane, 2-hydroxyethyl acrylate-blocked	51 FR 22831 June 23, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	A significant new use rule (SNUR) for a chemical substance, poly(2-hydroxypropyl) melamine, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexamine, 2-hydroxyethyl, acrylate-blocked, which was the subject of premanufacture notice (PMN) P-85-703 and a section 5(e) consent order. The EPA believes that this substance may be hazardous to human health

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) and that the uses described in this proposed rule may result in significant human or environmental exposure. As a result of this rule, certain persons who intend to manufacture, import, or process this substance for a significant new use would be required to notify EPA at least 90 days before commencing such an activity. The required notice would provide EPA with the opportunity to evaluate the intended uses and, if necessary, prohibit or limit that activity before it occurs.
Poly(oxy-1,4-butanediyl)-alpha-(1-oxo-2-propenyl)-omega-[(1-oxo-2-propenyl)oxy]	50 FR 34505 August 26, 1985 40 CFR Part 721 Proposed Rule-Section 5(a)(2)	EPA is proposing a significant new use rule (SNUR) for a chemical substance which was the subject of premanufacture notice (PMN) P-84-274 and a section 5(e) consent order. The Agency believes that the substance may be hazardous to human health and that the uses described in the proposed rule would result in significant human exposure. Once a use is determined to be a significant new use, persons must submit a notice to EPA at least 90 days before they manufacture, import, or process the substance for that use. EPA is proposing to designate the following as significant new uses: (1) manufacturing, processing, or distribution in commerce for use as a component in industrial coatings unless

CHEMICALS SUBJECT TO ADVANCE NOTICE OF PROPOSED RULEMAKING AND PROPOSED RULEMAKING UNDER SECTIONS 5 AND 6 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) specified protective equipment is used, (2) use other than as a component in industrial coatings, and (3) manufacturing, processing, or distribution in commerce without establishing programs to ensure that all persons potentially exposed to the substance are informed of the health concerns which may be presented by the substance; that packages containing the substance or formulations containing the substance are labeled according to the terms specified in § 721.567; and that a material safety data sheet (MSDS) accompanies distribution of the substance in commerce. The Agency proposed a definition for "industrial coating" in the proposed SNUR published on March 27, 1985 (50 FR 12046). EPA has reexamined this definition and is proposing to redefine "industrial coating" as stated in this proposed rule. The new definition would apply to both of the proposed SNUR's.
2-Propenoic acid, [2-[1,1-dimethyl-2-[(1-oxo-2-propenyl)-oxy]ethyl]-5-ethyl-1,3-dioxan-5-yl]methyl ester 87320-05-6 (P-84-344)	51 FR 11592 April 4, 1986 40 CFR - Part 721 Proposed Rule-Section 5(a)(2), on Certain Acrylate Chemicals.	EPA is proposing a significant new use rule (SNUR) for chemical substances which were the subjects of premanufacture notices (PMNs) P-84-341, P-84-342, P-84-343, and P-84-344 and a section 5(e) consent order. The Agency believes that these substances may be hazardous to human health and that the uses described in this proposed rule may result in significant human or environmental exposure.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued)		
2-Oxepanone, homopolymer, ester with 3-hydroxy-2,2-dimethylpropanoic acid (2:1), di-2-propenoate 96915-49-0 (P-84-341)		
2-Oxepanone, homopolymer, 2-propenoate, (tetrahydro-2-furanyl)methyl ester 96915-50-3 (P84-342)		
2-Oxepanone, homopolymer, 2-propenoate, ester with 2,2'-[oxybis (methylene)]bis[2-hydroxymethyl)-1,3-propanediol] 96915-52-5 (P-84-343)		
Substituted Benzenes, halogenated	51 FR 9221 March 18, 1986 40 CFR Part 720 Proposed Rule-Section 5(a)(2)	EPA proposed a significant new use rule (SNUR) for chemical substances that were the subject of premanufacture notices (PMNs) P-84-660 and P-84-704, and a section 5(e) consent order issued by EPA. The Agency believes that these substances may be hazardous to human health and that the uses described in this proposed rule may result in significant human or environmental exposure.
Tetrafluoro alkane, disubstituted	50 FR 11384 March 21, 1985 40 CFR Part 721 Proposed Rule - Section 5(a)	A proposed significant new use rule (SNUR) for the following substances: Substituted tetrafluoro alkene and two

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Chemical	Rule Reference	Excerpt of Rule (key points)
		(Continued) disubstituted tetrafluoro alkanes. The substances were the subject of premanufacture notices (PMNs) P-84-105, P-84-106, and P-84-107, respectively. The SNUR would require persons to notify EPA at least 90 days before manufacturing, importing, or processing these substances without establishing a program whereby: (1) Airborne concentrations of the chemical in the workplace are monitored; (2) use of certain personal protection equipment is required; and (3) potentially exposed workers are informed as to potential hazards of the chemical and requirements for safe handling. The SNUR would also designate as a significant new use the manufacture, processing, or use under conditions in which releases of P-84-106 and P-84-107 to navigable waters could reasonably be expected to occur under normal operating conditions.
Tetrafluoro alkene, substituted	50 FR 11384 March 21, 1985 40 CFR Part 721 Proposed Rule - Section 5(a)	See discussion of tetrafluoro alkane, disubstituted.

PART III

CHEMICALS SUBJECT TO ADVANCE NOTICES OF PROPOSED RULEMAKING (ANPRs), PROPOSED (NPRMs) AND FINAL RULES UNDER SECTIONS 4 AND 8 OF TSCA

A. CHEMICALS WITH CURRENT NOTICES

NOTE: The following import certification is required for the chemicals listed:

"I certify that all chemical substances in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA."

NOTE: Since TSCA defines importers as manufacturers, importers may be subject to rules such as testing requirements under section 4 and reporting requirements under section 8. However, because such rules do not apply to individual chemical shipments, and because compliance with such rules may be a lengthy procedure, importation would not depend on the importer's satisfaction of section 4 and section 8 requirements.

However, if a section 4 rule requires testing or a section 8 rule requires reporting to EPA before the import of a specified chemical, any importer of that chemical should ensure that the required notification has been completed before certifying that a shipment containing the chemical complies with TSCA.

Final section 4 rules trigger export notification requirements under section 12(b) of TSCA.

Proposed rules are included in this listing to alert importers and exporters that final rules are likely to be issued on these chemicals in the future, and that importers and exporters will be required to comply with them.

The following footnote appears in Part III:

> Chemical Abstract Service (CAS) numbers followed by two asterisks are taken from the TSCA Inventory of Chemical Substances and appear only in that Inventory.

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UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Acetonitrile, 75-05-8	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	This rule requires the submission of unpublished health and safety studies on specifically listed chemicals by chemical manufacturers, processors, and others in possession of such studies.
Acetamide, N-(aminothoxomethyl)- 591-08-2	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule-Section 8(d)	This rule requires the submission of unpublished health and safety studies and changes certain exemptions to 8(d) reporting.
Acrylamide, 79-06-1	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Alkyltin Compounds; Dibutyltin dilaurate, 77-58-7; Dibutyltin bis(lauryl mercaptide), 1185-81-5; Dibutyltin bis(isoocytl maleate), 25168-21-2; Dibutyltin S,S'-bis(isoocytl mercaptoacetate, 25168-24-5; Dimethyltin S,S'-bis(isoocytl mercaptoacetate, 26636-01-1; Monobutyltin tris(isooctyl mercaptoacetate, 54849-38-6	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds chemicals to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under 40 CFR Part 716 Subpart A, the regulation implementing section 8(d). The chemical substances added were recommended for testing by the Interagency Testing Committee (ITC) in their Eleventh Report to EPA and designated for priority consideration by EPA within one year.

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Chemical	Rule Reference	Excerpt of Rule• (key points)
Alkyl Epoxides (Including all noncyclic aliphatic hydrocarbons with one or more epoxy functional groups): oxirane, 75-21-8; oxirane, methyl-, 75-56-9; oxirane, ethyl-, 106-88-7; oxirane, 2,2-dimethyl-, 558-30-5; oxirane, ethenyl-, 930-22-3; 2,2'-bioxirane, 1464-53-5; oxirane, dodecyl-, 3234-28-4; oxirane, octyl-, 2404-44-6; oxirane, decyl-, 2855-19-8; oxirane, 2,3-dimethyl-, 3266-23-7; oxirane, tetradecyl, 7320-37-8; oxirane, hexadecyl, 7390-81-0; oxirane, tridecyl-, 18633-25-5; oxirane, pentadecyl-, 22092-38-2; oxirane, heptadecyl-, 67860-04-2.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Alkyl epoxides	50 FR 36476 September 6, 1985 Terminates Rule-Section 4(a)	EPA is terminating its rulemaking proceeding to require testing for certain alkyl epoxides. The rulemaking proceeding was initiated in response to the Interagency Testing Committee's recommendation. EPA's analysis of available data indicates that few people are exposed to these chemicals, exposure levels are low, and only small amounts of these chemicals are released into the environment. Existing information on health effects does not suggest an unreasonable risk at expected exposure levels.
Alkyl Epoxides (Including those alkyl epoxides on the Toxic Substances Control Act Chemical Substances Inventory other than ethylene oxide, propylene oxide, and 1,2-butylene oxide, which are addressed in other Federal Register notices.): Short-Chain Isobutylene Oxide, 558-30-5; 1,2,3,4-Diepoxy-butane, 1464-53-5; 2,3-Epoxybutane, 3266-23-7;	49 FR 449 January 4, 1984 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	This notice is the EPA's response to the Interagency Testing Committee's (ITC) designation of the chemical category "alkyl epoxides" and its recommendation that the alkyl epoxides be considered for health effects and chemical fate testing.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) Long-Chain 1,2-Epoxypentadecane, 18633-25-5; 1,2-Epoxyheptadecane, 22092-38-2; 1,2-Epoxydecane, 2404-44-6; 1,2-Epoxydodecane, 2855-19-8; 1,2-Epoxytetradecane, 3234-28-4; 1,2-Epoxynonadecane, 67860-04-2	49 FR 449 January 4, 1984 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	
Alkyl phthalates, All alkyl esters of 1,2-Benzene dicarboxylic acid (orthophthalic acid): 1,2-Benzenedicarbooxylic acid, di cyclohexyl ester, 84-61-7; 1,2-Benzenedicarboxylic acid, butylcyclohexyl ester, 84-64-0; 1,2-Epoxyhexadecane, 7320-37-8; 1,2-Epoxyoctadecane, 7390-81-0; 1,2-Benzenedicarboxylic acid, bis(2-methyl propyl ester, 84-69-5; 1,2-Benzenedicarboxylic acid, dibutyl	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) ester, 84-74-2; 1,2-Benzenedicarboxylic acid, dihexyl ester, 84-75-3; 1,2-Benzenedicarboxylic acid, dinonyl ester, 84-76-4; 1,2-Benzenedicarboxylic acid, butyl octyl ester, 84-78-6; 1,2-Benzenedicarboxylic acid, 2-butoxy-2-oxoethyl butyl ester, 85-70-1; 1,2-Benzenedicarboxylic acid, 2-ethylhexyl 8-methylnonyl ester, 89-13-4; 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester, 117-81-7; 1,2-Benzenedicarboxylic acid, dioctyl ester, 117-84-0; 1,2-Benzenedicarboxylic acid, ditridecyl ester, 119-06-2; 1,2-Benzenedicarboxylic acid, decyl octyl ester, 119-07-3; 1,3-Benzenedicarboxylic acid, dimethyl ester, 131-11-3; 1,2-Benzenedicarboxylic acid,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) bis(1-methylheptyl) ester, 131-15-7; 1,2-Benzenedicarboxylic acid, diundecyl ester, 3648-20-2; 1,2-Benzenedicarboxylic acid, decyl hexyl ester, 25724-58-7; 1,2-Benzenedicarboxylic acid, diisodecyl ester, 26761-40-0; 1,2-Benzenedicarboxylic acid, diisooctyl ester, 27554-26-3; 1,2-Benzenedicarboxylic acid, diisononyl ester, 28553-12-0; 1,2-Benzenedicarboxylic acid, hexyl isodecyl ester, 61702-81-6; 1,2-Benzenedicarboxylic acid, isodecyl tridecyl ester, 61886-60-0.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	
7-amino-2,2-dimethyl-2,3-dihydrobenzofuran, 68298-46-4	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds certain chemical substances and a designated mixture to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d). The chemical substances being added were recommended for testing in the 11th Interagency Testing Committee (ITC) report; the designated mixture contains

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UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	(Continued) substances recommended for testing in the 10th ITC report. The chemical substances include carbofuran intermediates and certain trimethylbenzenes; the designated mixture, named "Aromatic C_9 fraction from petroleum refining," is primarily composed of mixed trimethylbenzenes (1,2,3-trimethylbenzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene) and mixed ethyltoluenes (ortho-, meta-, and parta-ethyltoluene).
Aniline and chloro-, bromo-, and/or nitro-anilines: Benzenamine, 62-53-3; Benzenamine, 2-nitro-, 88-74-4; Benzenamine, 4-chloro-2-nitro, 89-63-4; Benzenamine, 2-methyl-, 95-51-2; Benzenamine, 3,4-dichloro-, 95-76-1; Benzenamine, 2,5-dichloro-, 95-82-9; Benzenamine, 2,4-dinitro, 97-02-9; Benzenamine, 3-nitro-, 99-09-2; Benzenamine, 2-bromo-6-chloro-4-nitro-, 99-29-6; Benzenamine, 2,6-dichloro-4-nitro-, 99-30-9; Benzenamine, 4-nitro-, 100-01-6; Benzenamine, 4-bromo-,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 106-40-1; Benzenamine, 4-chloro-, 106-47-8; Benzenamine, 3-chloro-, 108-42-9; Benzenamine, 2-chloro-4-nitro-, 121-87-9; Benzenamine, 3-chloro-, hydrochloride, 141-85-5; Benzenamine, 2,4,6-tribromo, 147-82-0; Benzenamine, 2,4-dichloro, 554-00-7; Benzenamine, 2,3-dichloro, 608-27-5; Benzenamine, 3,5-dichloro-, 626-43-7; Benzenamine, 2,4,6-trichloro-, 634-93-5; Benzenamine, 4-chloro-3-nitro, 635-22-3; Benzenamine, 2,6-dibromo-4-nitro-, 827-94-1; Benzenamine, 2-bromo-4,6-dinitro, 1817-73-8; Benzenamine, 4-chloro-2,6-dinitro, 5388-62-5; Benzenamine, 2-chloro-5-nitro-6283-25-6.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Aniline and chloro-, bromo- and/or nitro-anilines: Aniline 62-53-3; 2-Nitroaniline 88-74-4; 4-Chloro-2-nitroaniline 89-63-4; 2-Chloroaniline 95-51-2; 3,4-Dichloroaniline 95-76-1; 2,5-Dichloroaniline, 95-82-9; 2,4-Dinitroaniline 97-02-9; 3-Nitroaniline, 99-09-2; 2,6-Dichloro-4-nitroaniline, 99-30-9; 4-Nitroaniline, 100-01-06; 4-Chloroaniline, 106-47-8; 3-Chloroaniline, 108-42-9; 2-Chloro-4-nitroaniline, 121-87-9; 2,4-Dichloroaniline, 554-00-7; 2,3-Dichloroaniline, 608-27-5; 2,4,6-Trichloroaniline, 634-93-5; 4-Chloro-3-nitroaniline, 635-22-3; 2,6-Dibromo-4-nitroaniline, 827-94-1; 2-Bromo-4,6-dinitroaniline, 1817-73-18; 2-Chloro-5-nitroaniline 6283-25-6	49 FR 108 January 3, 1984 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	This notice constitutes EPA's response to the Interagency Testing Committee's designation of the anilines category for testing consideration. EPA seeks comment on test substances, route of administration, and subcategorization. EPA also seeks information on exposure, available health data, and data on environmental effects and chemical fate.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Anthraquinone, 84-65-1	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	In response to the 15th report of the Interagency Testing Committee (ITC), which recommended this chemical for testing and for priority consideration by the EPA, this amendment adds this chemical to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d).
9,10-Anthraquinone, 84-65-1	50 FR 46090 November 6, 1985 40 CFR Parts 704 and 799 Proposed Rule-Sections 4 and 8	This proposed rule is in response to the Interagency Testing Committee's (ITC) designation of this chemical for priority consideration for chemical fate and environmental effects testing. EPA is proposing that manufacturers (including importers) and processors of 9,10-anthraquinone, hereinafter "anthraquinone", be required to perform testing for water solubility, bioconcentration, and acute toxicity to aquatic organisms. The Agency is also proposing, under section 8, that manufacturers and importers of anthraquinone be required to submit an annual report to EPA stating the volume of this substance manufactured or imported during their latest corporate fiscal year. Testing for biodegradation and chronic toxicity of aquatic organisms will be required if the acute toxicity or bioconcentration test results and the annual production and importation level meet specified criteria.
Antimony, 7440-36-0	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Antimony sulfide, 1345-04-6	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Antimony trioxide, 1309-64-4	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Arsine, dichloro-phenyl 696-28-6	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamine, N-(aminothioxomethyl)-
Arsine, diethyl 692-42-2	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamine, N-(aminothioxomethyl)-
Aryl phosphates (Phosphate esters of phenol or of alkyl-substituted phenols. Tri-aryl and mixed alkyl and aryl esters are included but trialkyl esters are excluded): Phosphoric acid, tris(2-methyl phenyl) ester, 78-30-8; Phosphoric acid, tris (4-methyl phenyl) ester, 78-32-0; Phenol, 4(1,1-di-methyl ethyl)-, phosphate, 78-33-1; Phosphoric acid, triphenyl ester, 115-86-6; Phosphoric acid,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) tris (3-methyl phenyl) ester, 563-04-2; Phosphoric acid, 2-ethylhexyl diphenyl ester, 1241-94-7; Phosphoric acid, tris (methyl phenyl) ester, 1330-78-5; Phosphoric acid, dibutyl phenyl ester, 2528-36-1; Phenol dimethyl-, phosphate (3:1), 25155-23-1; Phosphoric acid, methylphenyl diphenyl ester, 26444-49-5; Phosphoric acid, (1-methylethyl) phenyl diphenyl ester, 28108-99-8; Phosphoric acid, isodecyl diphenyl ester, 29761-21-5; Phosphoric acid (1-methyl-1-phenylethyl) phenyl diphenyl ester, 34364-42-6; Phosphoric acid, diisodecyl phenyl ester, 51363-64-5; Phosphoric acid, acid, (1,1-dimethylethyl) phenyl diphenyl ester, 56803-37-3.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Aryl phosphates: TPP-Triphenyl phosphate, 115-86-6; EHDP-2-Ethylhexyl diphenyl phosphate, 1241-94-7; TCP-Tricresyl phosphate, mixed isomers (tritolyl phosphate, 1330-78-5); TXP-Trixylenyl phosphate, mixed isomers (trixylyl phosphate), 25155-23-1; IPDP-Isopropylphenyl diphenyl phosphate, mixed isomers, 28108-99-8; BPDP-Butylphenyl diphenyl phosphate, mixed isomers, 34364-42-6; DBDP-Dimethylbenzylphenyl diphenyl phosphate, mixed isomers (also known as cumylphenyl diphenyl phosphate), 34364-42-6; IDPP-Isodecyl diphenyl phosphate, 59800-46-3; NPDP-Nonylphenyl diphenyl phosphate, mixed isomers, 64532-97-4.	48 FR 57452 December 29, 1983 40 CFR Part 799 Advance notice of proposed rulemaking - Section 4(a)	This notice constitutes EPA's response to the ITC's designation of the aryl phosphates for testing consideration. EPA seeks comment on its conclusions that testing appears necessary to complete rulemaking assessment of the health and environmental effects of aryl phosphates.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
Asbestos, asbestiform varieties of: chrysotile (serpentine); crocidolite (riebeckite); amosite (cummingtonite-grunerite); anthophyllite; tremolite; and actinolite); Asbestos, 1332-21-4*; chrysotile, 12001-29-5*; Amosite, 12172-73-5*; anthrophylite, 17068-78-9*.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Benzenamide, 2-chloro-4,6,dinitro 3531-19-9	47 FR 38791 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See dicussion of acetonitrile.
Benzenamine, 2-methyl- 95-53-4	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Benzeneamine, 4-methyl- 106-49-0	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester 84-69-5	47 FR 38791 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetonitrile.
1,2-Benzenedicarboxylic aicd, butyl phenylmethyl ester 85-69-8	47 FR 38791 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetonitrile.

*Chemical Abstract Service (CAS) numbers followed by an asterisk are taken from the TSCA Inventory of Chemical Substances and appear only in that inventory.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
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Chemical	Rule Reference	Excerpt of Rule (key points)
Benzenethanamine, alpha, alpha-dimethyl 122-09-8	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-aminothioxomethyl)-
Benzenes, mono-, di-, and trichlorinated: 1,2,3-Trichlorobenzene (vic-Trichlorobenzene) 87-61-6; 1,2-Dichlorobenzene (ortho or o-Dichlorobenzene) 95-50-1; 1,2,4,5-Tetrachlorobenzene (1,2,4,5-Tetrachlorobenzol) 95-94-3; 1,4-Dichlorobenzene (para- or p-Dichlorobenzene) 106-46-7; 1,3,5-Trichlorobenzene (sym-Trichlorobenzene) 108-70-3; Chlorobenzene (Monochlorobenzene benzene chloride) 108-90-7; 1,2,4-Trichlorobenzene (unsym-Trichlorobenzene) 120-82-1; 1,3-Dichlorobenzene (meta- or m-Dichlorobenzene) 541-73-1; 1,2,3,4,5-Pentachlorobenzene (Quintochlorobenzene) 608-93-5;	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	EPA is proposing that manufacturers and processors of mono-, di-, and trichlorinated benzenes conduct certain chemical fate and environmental effects tests on these chemicals. Chemical fate or environmental effects testing of the tetrachlorobenzenes or pentachlorobenzene is not proposed at this time. This notice constitutes EPA's response to the Interagency Testing Committee's (ITC) designation of mono-, di-, tri-, tetra- and pentachlorinated benzenes as priority candidates for environmental effects testing consideration.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 1,2,3,4-Tetrachlorobenzene (1,2,3,4-Tetrachlorobenzol) 634-66-2; 1,2,3,5-Tetrachlorobenzene (1,2,3,5-Tetrachlorobenzol) 634-90-2	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	
Benzenesulfonyl-chloride 98-09-9	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Benzenethiol 108-98-5	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See Acetamide, N-(aminothioxomethyl)-
Benzyl butyl phthalate, 85-68-7	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds certain chemical substances to the list of substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d). The chemical substances to be added were designated for testing consideration by the Interagency Testing Committee (ITC), in its Sixth through Tenth Reports.
Benzyl butyl phthalate, 85-68-7	50 FR 36446 September 6, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	EPA is proposing to require certain environmental fate and effects tests for benzyl butyl phthalate (BBP). These are acute and chronic toxicity tests in freshwater and saltwater organisms, bioconcentration testing in the Eastern oyster, and testing for the fate of BBP in undisturbed sediments.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 36446 September 6, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	(Continued) In its Seventh Report, the Interagency Testing Committee (ITC) designated BBP for priority consideration for environmental and health effects testing. However, in October 30, 1981, EPA published a preliminary decision not to propose a section 4(a) rule under TSCA to require environmental or health effects testing of BBP. This decision was made because the Agency accepted a comprehensive testing proposal for phthalate esters and BBP from the Chemical Manufacturers Association for the Phthalate Esters Program Panel, and because the National Toxicology Program was to do additional BBP oncogenicity and reproductive effects studies. However, in August 1984 a suit brought against EPA resulted in the ruling that a negotiated testing agreement is not a legally adequate substitute for a test rule, in response to the designation of a chemical by the ITC. EPA is therefore issuing a proposed rule to obtain additional environmental fate and effects testing of benzyl butyl phthalate.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
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Chemical	Rule Reference	Excerpt of Rule (key points)
Biphenyl 92-52-4	50 FR 37182 September 12, 1985 40 CFR Part 799 Final Rule-Section 4(a)	This rule requires manufacturers and processors to test biphenyl for environmental effects and chemical fate, according to protocols to be submitted to and approved by EPA. This regulation is in compliance with the Interagency Testing Committee's (ITC) designation of biphenyl for priority testing consideration.
Biphenyl, 92-52-4	48 FR 13178 March 30, 1983 40 CFR part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Bisazophenyl Dyes Derived from benzidine and its congeners, ortho-Tolidine (Dimethylbenzidine) and Dianisidine (Dimethoxybenzidine: 2,7-Naphthalenedisulfonic acid, 3,3'-[3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl)bis(azo)] bis[5-amino-4-hydroxy-, tetrasodium salt, 72-57-1; 2-Naphthalenecarboxamide, 91-92-9; Butanamide, 91-96-3; 1-Naphthalenesulfonic acid, 17 3,3'[1,1'-biphenyl]-4,4'-diyl-bis(azo)] bis[4-amino-, disodium salt, 573-58-0; 1-Naphthalenesul-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) fonic acid, 3,3'-[(3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl)bis (azo)]bis [4-amino-, disodium salt, 992-59-6; 2,7-Naphthalene-disulfonic acid, 4-amino-3-[[4'-[(2,4-diamino-phenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)-, disodium salt, 1937-37-7; 2,7-Naphthalene-disulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl) bis(azo)]bis[4,5-dihydroxy-, tetrasodium salt, 2150-54-1; 1-Naphthalenesulfonic acid, 3,3'-[(3,3'-dimethoxy[1,1'-biphenyl]-4, 4'-diyl)bis-(azo)]bis [4-hydroxy-, disodium salt, 2429-71-2; 2,7-Naphthalenedisulfonic acid, 5-amino-3-[[4'-[(7-amino-1-hydroxy-3-sulfo-2-naphthalenyl)azo] [1,1'-biphenyl]-4-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) yl]azo]-4-hydroxy-, trisodium salt, 2429-73-4; 2,7-Naphthalene-disulfonic acid, 3,3'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis (azo)]bis [5-amino-4-hydroxy-, tetrasodium salt, 2429-74-5; Benzoic acid, 5-[[4'-[(1-amino-4-sulfo-2-naphthalenyl) azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt, 2429-79-0; Benzoic acid, 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulfo-7-[(4-sulfo-1-naphthalenyl)azo]-2-naphthalenyl]azo]-5-methylphenyl]azo] [1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, tetrasodium salt, 2429-81-4; Benzoic acid, 5-[[4'-[(7-amino-1-hydroxy-3-sulfo-2-naphthalenyl)azo] [1,1'-biphenyl-4-yl]azo]-2-hydroxy-, disodium salt, 2429-82-5; 2,7-Naphthalene-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) disulfonic acid, 4-amino-3-[[4'-[(2,4-diamino-5-methylphenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)-, disodium salt, 2429-83-6; Benzoic acid, 5[[4'-[(2-amino-8-hydroxy-6-sulfo-1-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-,disodium salt, 2429-84-7; 1,3-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6-[[4'-[(2-hydroxy-1-naphthalenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo]-disodium salt, 2586-57-4; Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulfophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt, 2586-58-5; 2,7-Naphthalenedisulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxy-, tetra-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) sodium salt, 2602-46-2; 1,3-Naphthalenedisulfonic acid, 6,6'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis (azo)]bis[4-amino-5-hydroxy-, tetrasodium salt, 2610-05-1; Benzoic acid, 5-[[4'[[2,4-dihydroxy-3-[(4-sulfophenyl)azo]phenyl] azo][1,1'-biphenyl] 4-yl]azo]-2-hydroxy-, disodium salt, 2893-80-3; 1,3-Naphthalenedisulfonic acid, 8-[[4'-[(ethoxyphenyl)azo] [1,1'-biphenyl]-4-yl]azo]-7-hydroxy-, disodium salt, 3530-19-6; 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[[4'-[[4-[[(4-methylphenyl) sulfonyl] oxy]phenyl]azo] [1,1'-biphenyl]-4-yl]azo]-, disodium salt, 3567-65-5; 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-3-[[4'-[(4[hydroxyphenyl)azo][1,1'-biphenyl]-4-yl] azo]-6-(phenyl-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) azo)-, disodium salt, 3626-28-6; 2,7-Naphthalene-disulfonic acid, 4-amino-5-hydroxy-6-[[4'-[(4-hydroxyphenyl) azo][1,1'-biphenyl]-4-yl] [azo]-3-[(4-nitrophenyl)azo]-, disodium salt, 4335-09-5; Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulfophenyl) azo]phenyl]azo][1,1'-biphenyl-4-yl] azo]-2-hydroxy-3-methyl-, disodium salt, 6360-54-9; 1,3-Naphthalenedisulfonic acid, 8-[[4'-[(4-ethoxyphenyl)azo]-3,3'-dimethyl [1,1'-biphenyl]-4-yl]azo]-7-hydroxy-, disodium salt, 6358-29-8; 1-Naphthalenesulfonic acid, 3-[[4'-[(6-amino-1-hydroxy-3-sulfo-2-naphthalenyl) azo]-3,3'-dimethoxyl [1,1'-biphenyl]-4'-yl] azo]-4-hydroxy-, disodium salt, 6449-35-0; Benzoic acid,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 5-[[4'-[(2,6-diamino-3-methyl-5-sulfophenyl)azo]-3,3'-dimethyl[1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt, 6637-88-3; Cuprate(3-), [u-[7-[[3,3'-dihydroxy-4'-[[1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenyl]azo] [1,1'-biphenyl]-4-yl]azo]-8-hydroxy-1,6-naphthalenedisulfonato(7-)]]di-, trisodium, 6656-03-7; Benzoic acid, 2-[[2-amino-6-[[4'-[(3-carboxy-4-hydroxyphenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo-5-hydroxy-7-sulfo-1-naphthalenyl]azo]-5-nitro-, trisodium salt, 6739-62-4; Benzoic acid, 3,3'-[(3,7-disulfo-1,5-naphthalenediyl)bis[azo(6-hydroxy-3-1-phenylene)azo[6(or 7)-sulfo-4,1-naphthalenediyl]azo[1,1'-biphenyl]-4,4'-diylazo]]bis[6-hy-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) droxy-, hexasodium salt, 8014-91-3; Bisazophenyl dyes derived from benzidine and its congeners, ortho-tolidine (dimethyl-benzidine) and diansidine (dimeth-oxybenzidine): C.I. Direct Blue 218, 10401-50-0; Cuprate (2-), [5-[[4'-[[2,6-di-hydroxy-3-[(2-hydroxy-5-sulfo-phenyl)azo] phenyl]azo] [1,1'-biphenyl]-4-yl]azo]-2-hydroxy-benzoate(4-)-di-sodium, 16071-86-6; Cuprate (4-), [u-[[6,6'-[(3,3'-di-hydroxy[1,1'-bi-phenyl]-4,4'-di-yl)bis(azo)bis [4-amino-5-hy-droxy-1,3-naphtha-lenedisulfonato]]-(8-)]]di-,tetra-sodium, 16143-79-6; [1,1'-Bi-phenyl]-4,4'-bis-(diazonium), 3,3'-dimethoxy, 20282-70-6.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	
Bis(2-ethylhexyl) terephthalate, 6422-86-2	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of alkyltin compounds.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Bisphenol A, 80-05-7	49 FR 22286 May 29, 1984 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds five chemicals to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d).
Bisphenol A (4,4'-Isopropylidenediphenol) 80-05-7	50 FR 20691 May 17, 1985 40 CFR 799 Proposed Rule-Section 4(a)	This rule proposes that manufacturers and processors of bisphenol A be required to perform testing for 90-day inhalation subchronic toxicity with emphasis on pulmonary effects, and acute and chronic aquatic toxicity testing. This proposed rule is in response to the Interagency Testing Committee's (ITC) designation of BPA for priority consideration for health and environmental effects testing.
2-Butanal 4170-90-3	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1,3-Butadiene, 2-chloro- (8C1)(9C1), 126-99-8	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
2-(2-Butoxyethoxy) ethyl acetate (diethylene glycol butyl ether acetate), 124-17-4	49 FR 224 November 19, 1984 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	EPA plans to propose a rule to test two chemical substances for: subchronic toxicity (including neurotoxic and behavioral toxicity and renal and hematological effects), developmental effects, reproductive toxicity, mutagenicity and carcinogenicity. These two substances are diethylene glycol butyl ether (DGBE) and diethylene glycol butyl ether acetate (DGBA).

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Chemical	Rule Reference	Excerpt of Rule (key points)
2-(2-Butoxyethoxy) ethyl acetate, 124-17-4	48 FR 55686 December 14, 1983 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds four chemicals to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d).
p-tert-Butylbenzoic acid (p-TBBA), 98-73-7; p-tert-Butyltoluene (p-TBT), 98-51-1; p-tert-Butylbenz-aldehyde (p-TBB), 939-97-9	51 FR 17336 May 12, 1986 40 CFR Parts 704 and 716 Final Rule-Sections 8(a) and 8(d)	This rule establishes reporting and recordkeeping requirements for the following three chemical substances: p-tert-butylbenzoic acid (p-TBBA), p-tert-butyltoluene (p-TBT), and p-tert-butylbenzaldehyde (p-TBB). Based on the data currently available to EPA, the Agency is primarily concerned with the possible human reproductive effects resulting from exposure to these substances. The purpose of these regulatory requirements is to monitor curent and future uses of p-TBBA, p-TBT, and p-TBB, and to obtain data necessary to support a more detailed assessment of the potential health and environmental risks posed by these substances.
Butyl glycolyl butyl phthalate, 85-70-1	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
C_9 Aromatic hydrocarbons	51 FR 10557 March 27, 1986 40 CFR Part 799 Proposed Rule-Section 4(a)	EPA has issued a final rule for the first phase of a two-phase test rule requiring that manufacturers and processors of the C9 aromatic hydrocarbon fraction (C9 fraction), which is obtained from the reforming of crude petroleum, test this C9 fraction for neurotoxicity, mutagenicity, developmental toxicity, reproductive effects,

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 10557 March 27, 1986 40 CFR Part 799 Proposed Rule-Section 4(a)	(Continued) and oncogenicity (unless certain mutagenicity test results are negative). The Agency is now proposing that the protocols submitted by the American Petroleum Institute (API), with minor Agency-proposed additions, be adopted as the test standards for the C9 fraction under this test rule. The Agency is also proposing schedules for the testing.
Calcium naphthenate, 61789-36-4	48 FR 24366 June 1, 1983 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds chemicals to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d). The chemical substances to be added were recommended for testing by the ITC in their Twelth Report to EPA and designated for priority consideration by EPA within 12 months.
9H-Carbazole 86-74-8	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See Acetamide, N-(aminothioxomethyl)-
Carbofuran intermediates: Methallyl-2-nitrophenyl ether, 13414-54-5; 7-Nitro-2,2-dimethyl-2,3-dihydrobenzofuran, 13414-55-6; 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran 68298-46-4	50 FR 29761 July 22, 1985 No rulemaking	This notice is EPA's response to the Interagency Testing Committee's (ITC) recommendation of carbofuran intermediates for priority consideration for chemical fate and environmental effects testing. EPA believes that there is neither an unreasonable risk of injury to the environment, nor substantial environmental release.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Chlorendic acid, 115-28-6	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Chlorinated benzenes: Monochlorobenzene, 108-90-7; Orthodichlorobenzene, 95-50-1; Paradichlorobenzene, 106-46-7; Pentachlorobenzene, 608-93-5; 1,2,4-Trichlorobenzene, 120-82-1; 1,2,4,5-Tetrachlorobenzene, 95-94-3.	49 FR 50408 December 28, 1984 40 CFR Part 773 Proposed Rule - Section 4(a)	EPA is announcing three decisions concerning the rulemaking proceeding initiated in July 1980 (45 FR 48524) to require health effects testing of the chlorinated benzenes pursuant to section 4(a): (1) EPA is finalizing a preliminary decision to withdraw certain portions of the proposed test rule (see 48 FR 54836, Dec. 7, 1983); (2) as a result of a recent court suit, EPA cannot accept the negotiated testing program submitted by the Chlorobenzene Producers Association (CPA). A decision whether to require reproductive effects testing of monochlorobenzene (MCB), orthodichlorobenzene (o-DCB), and paradichlorobenzene (p-DCB) (addressed by the CPA testing program) will be announced in EPA's final action on the chlorobenzene proposed test rule; (3) EPA announces that any rulemaking on chlorobenzenes' health effects testing will be conducted in a single-phase rule.
Chlorinated benzenes: 1,2,4-Trichlorobenzene, 120-82-1; 1,2,4,5-Tetrachlorobenzene, 95-94-3; Chlorobenzene, 108-90-7; o-Dichlorobenzene, 95-50-1; p-Dichlorobenzene, 106-46-7	50 FR 48805 November 27, 1985 40 CFR Part 799 Proposed Rule-Section (4)	EPA issued a proposed rule for the chlorinated benzenes, published in the Federal Register of July 18, 1980 (45 FR 48524). The Agency is revising its proposed rule by updating certain health effects testing requirements to reflect the current TSCA test guidelines issued by EPA's Office of Toxic Substances. These guidelines are to be used as test standards for the proposed oncogenicity testing

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 48805 November 27, 1985 40 CFR Part 799 Proposed Rule-Section (4)	(Continued) of 1,2,4-trichlorobenzene; oncogenicity, reproductive effects and teratogenicity testing of 1,2,4,5-tetrachlorobenzene; and reproductive effects testing of monochlorobenzene, ortho- and para-dichlorobenzenes.
Chlorinated benzenes (mono-and di-): Benzene, 1,2-dichloro, 95-50-1; Benzene, 1,4-dichloro-, 106-46-7; Benzene, chloro-, 108-90-7; Benzene, 1,3-dichloro-, 541-73-1.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Chlorinated benzenes: (tri-, tetra- and penta-): Benzene, 1,2,3-trichloro-, 87-61-6; Benzene, 1,2,4,5-tetrachloro, 95-94-3; Benzene, 1-3-5-trichloro-, 108-70-3; Benzene, 1,2,4,-trichloro-, 120-82-1; Benzene, pentachloro-, 608-93-5; Benzene, 1,2,3,4-tetrachloro-, 634-66-2; Benzene, 1,2,3,5-tetrachloro-, 634-90-2.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Chlorinated naphthalenes	49 FR 33649 August 24, 1984 40 CFR Part 704 Final Rule - Section 8(a)	This rule requires manufacturers and importers of chlorinated naphthalenes (CNs) to notify EPA of current and prospective manufacture or import of CNs. (Small businesses that manufacture or import CNs (as defined in 40 CFR 704.3(s)) are exempt from this rule.) This rule applies to 19 chemical substances: 1-chloronaphthalene (90-13-1); 2-chloronaphthalene (91-58-7); pentachloronaphthalene (1321-64-8); trichloronaphthalene (1321-65-9); hexachloronaphthalene (1335-87-1); tetrachloronaphthalene (1335-88-2); 1,5-dichloronaphthalene (1825-30-5); 1,4-dichloronaphthalene (1825-31-6); 1,2-dichloronaphthalene (2050-69-3); 1,6-dichloronaphthalene (2050-72-8); 1,7-dichloronaphthalene (2050-73-9); 1,8-dichloronaphthalene (2050-74-0); 2,3-dichloronaphthalene (2050-75-1); 2,6-dichloronaphthalene (2065-70-5); 1,3-dichloronaphthalene (2196-75-6); 2,7-dichloronaphthalene (2198-77-8); octachloronaphthalene (2234-13-1); chloronaphthalene (25586-43-0); heptachloronaphthalene (32241-08-0); chloronaphthalene derivatives (70776-03-3).
Chlorinated naphthalenes	51 FR 19839 June 3, 1986 40 CFR Part 704 Technical amendment to above, corrected listing of chloronaphthalenes.	

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Chemical	Rule Reference	Excerpt of Rule (key points)
Chlorinated naphthalenes, chlorinated derivatives of naphthalene (empirical formula $C_{10}H_xCl_y$, where $x+y=8$), Naphthalene, 1-chloro-, 90-13-1; Naphthalene, pentachloro-, 1321-64-8; Naphthalene, trichloro-, 1321-65-9.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Chlorinated paraffins (chlorinated paraffin oils and chlorinated paraffin waxes, with chlorine content of 35 percent through 70 percent by weight): Alkanes, chloro, 61788-76-9; Paraffin waxes and Hydrocarbon waxes, chlorinated, 63449-39-8; alkanes, C_6 - 18, chloro, 68920-70-7.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Chlorinated terphenyl, 61788-33-8	49 FR 11181 March 26, 1984 40 CFR Part 704 Final Rule - Section 8(a)	This rule requires that the EPA be notified of any manufacture or import (or any proposed manufacture or import) of chlorinated terphenyl. Manufacture or import by a small business (as defined in 40 CFR 704.3(s)) is exempt from this notice requirement.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Chlorobenzene, 108-90-7	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of benzenes.
4-Chlorobenzotri-fluoride, 98-56-6	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
4-Chlorobenzo-trifluoride (4-CBTF) 98-56-6	50 FR 42216 October 18, 1985 No Further Testing-Section 4(a)	EPA is issuing a decision not to require further testing of 4-chlorobenzotrifluoride (4-CBTF), for health effects, environmental effects, and chemical fate. An August 24, 1984, U.S. District Court, Southern District of New York, ruling requires EPA to issue a test rule for this chemical or state reasons for not issuing one. EPA has determined that data now available to the Agency are adequate to characterize 4-CBTF for these effects and that no further testing need be required at this time.
Chloromethane, 74-87-3	45 FR 48524 July 18, 1980 40 CFR Part 773 Proposed Rule - Section 4(a)	EPA is proposing that manufacturers and processors of chloromethane and all chlorinated benzenes except hexachlorobenzene conduct health effects testing.
Chloromethane (methyl chloride) 74-87-3	50 FR 19213 May 7, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	This proposed rule reverses an earlier proposed rule (45 FR 48524) that would have required manufacturers and processors of chloromethane to conduct oncogenic and structural teratogenic effects testing on this chemical.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Chloromethane (methyl chloride), 74-87-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
2-Chlorotoluene, 95-49-8	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Chlorotoluene (2-CT) 95-49-8	50 FR 40445 October 3, 1985 No Further Testing - Section 4(a)(1)(a)	EPA is issuing a decision not to require further testing of 2-chlorotoluene (2-CT) for health and environmental effects and chemical fate. Data have been received that adequately characterize 2-CT for these effects.
Cobalt naphthenate, 61789-51-3	48 FR 24366 June 1, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of calcium naphthenate.
Cresols: (o,m,p) Phenol, 2-methyl-, 95-48-7; Phenol, 3-methyl-, 108-39-4; and Phenol, 4-methyl-, 106-44-5	51 FR 15771 April 28, 1986 40 CFR Part 799 Final Rule-Section 4(a)	EPA is issuing a final rule establishing testing requirements for manufacturers and processors of cresols. The testing requirements include (1) mutagenic effects studies (including tests for chromosomal aberrations, gene mutations, and cellular transformations) on specified cresol isomers, (2) a developmental toxicity study (teratogenicity) for each cresol isomer, and (3) a two-generation reproductive effects study for each cresol isomer. In the Federal Register of July 11, 1983 (48 FR 31812), EPA issued a proposed rule to require testing of cresols for subchronic toxicity, mutagenicity,

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 15771 April 28, 1986 40 CFR Part 799 Final Rule-Section 4(a)	(Continued) carcinogenicity, developmental toxicity (teratogenicity), reproductive effects, neurotoxicity, and skin sensitization. EPA is now promulgating a final test rule requiring that manufacturers and processors of cresols test these chemicals for mutagenic effects, developmental toxicity, and reproductive effects. In addition, in its Initial Report (42 FR 55026, October 12, 1977), the Interagency Testing Committee recommended that the cresols be tested not only for health effects, but also for environmental effects. However, EPA has decided not to require environmental effects testing because available information allows EPA to reaonably predict that exposure of aquatic organisms to cresols should not cause chronic effects.
Cresols: (ortho-, meta-, and para-cresol) Phenol, 2-methyl-, 95-48-7; Phenol, 3-methyl-, 108-39-4; and Phenol, 4-methyl-, 106-44-5	51 FR 15803 April 28, 1986 40 CFR Parts 795 and 799 Proposed Rule-Section 4(a)	Under its final testing rule, EPA is proposing that certain TSCA test guidelines be used as the test standards for the required studies of cresols. EPA is also proposing that the tests be submitted within specified time frames.
Cresols (ortho, meta-, and para-Cresol): Phenol, 2-methyl-, 95-48-7; Phenol, 4-methyl-, 106-44-5; Phenol, 3-methyl-, 108-39-4	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Cumene, 98-82-8	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
Cumene 98-82-8	50 FR 46104 November 6, 1985 40 CFR Parts 798 and 799 Proposed Test Rule-Section 4(a)	EPA is proposing that manufacturers and processors of cumene (isopropyl benzene) be required to perform testing for pharmacokinetics, subchronic toxicity, oncogenicity, mutagenicity, neurotoxicity, developmental toxicity and reproductive toxicity; if triggered, acute and chronic aquatic toxicity in saltwater and freshwater fish and invertebrates, and biodegradation and volatilization from water. This proposed rule is in response to the Interagency Testing Committee's (ITC's) designation of cumene for priority consideration for health and environmental effects testing.
Cyclohexane, 110-82-7; 2-6-Di-tert-butyl phenol, 128-39-2; Diisodecyl phenyl phosphite, 25550-98-5	50 FR 47539 November 19, 1985 40 CFR Part 716 Final Rule-Section 8(d)	The Interagency Testing Committee (ITC) recommended that EPA give priority consideration to three chemical substances in promulgating chemical test rules. To assist EPA in its determination of which, if any, tests are needed for these substances, EPA is adding these substances to the section 8(d) Health and Safety Data Reporting Rule. This model rule will require manufacturers, importers, and processors of these substances to report unpublished health and safety data to EPA.

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 47539 November 19, 1985 40 CFR Parts 712 and 716 Final Rule-Sections 8(a) and 8(d)	(Continued) EPA is adding cyclohexane and 2,6-di-tert-butyl phenol to the ITC priority list for reporting within 12 months; diisodecyl phenyl phosphite was recommended, but not designated for response within 12 months.
Cyclohexanone, 108-94-1	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane, 3322-93-8	49 FR 22286 May 29, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of bisphenol A.
1,2-Dichlorobenzene, 95-50-1	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
1,3-Dichlorobenzene, 541-73-1	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
1,4-Dichlorobenzene, 106-46-7	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
3,4-Dichlorobenzotrifluoride, 328-84-7	50 FR 11697 March 25, 1985 40 CFR Part 716 Final Rule - Section 8(d)	This rule adds 3,4-dichlorobenzotrifluoride to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d). This chemical substance was recommended for testing by the Interagency

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 11697 March 25, 1985 40 CFR Part 716 Final Rule - Section 8(d)	(Continued) Testing Committee (ITC), in its Fourteenth Report to EPA, but not designated for 12-month review by EPA.
Dichloromethane (methylene chloride), 75-09-2	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Methylene chloride (dichloromethane, DCM) 75-09-2	50 FR 42037 October 17, 1985 40 CFR, Part 754 ANPR-Section 4(f)	This notice announces that EPA and other Federal agencies will conduct a regulatory investigation of methylene chloride to determine whether it presents an unreasonable risk to human health or the environment and if regulatory controls are needed to eliminate or reduce exposures to it. The Agency announced in the Federal Register of May 14, 1985 (50 FR 20126) its decision to initiate a priority review under section 4(f) for risks of human cancer from certain exposures to methylene chloride. With issuance of this notice, EPA initiates appropriate action as required by section 4(f). The investigation not only includes the section 4(f) exposure categories, but has also been expanded to include all other exposures. The Agency is exploring regulatory alternatives under TSCA and other applicable statutes administered by EPA. EPA will also consider, in cooperation with other agencies, the applicability of statutes

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 42037 October 17, 1985 40 CFR, Part 754 ANPR-Section 4(f)	(Continued) administered by other agencies to prevent or reduce risks of exposures to this chemical.
1,2-Dichloropropane, 78-87-5	49 FR 899 January 6, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	EPA is proposing that manufacturers and processors conduct health and environmental effects tests for 1,2-dichloropropane. Health effects tests include neurotoxicity, mutagenicity, teratogenicity, and reproductive effects tests. Environmental effects tests include acute and chronic toxicity tests for aquatic invertebrates, and an aquatic plant test. This notice constitutes EPA's response to the Interagency Testing Committee's (ITC) designation of 1,2-dichloropropane for priority consideration for testing.
1,2-Dichloropropane, 78-87-5	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Diethylene glycol butyl ether, 112-34-5	49 FR 224 November 19, 1984 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	See discussion of 2-(2-butoxyethoxy) ethyl acetate.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Diethylenetriamine, 111-40-0	50 FR 21398 May 23, 1985 40 CFR 23.5 Part 799 Final Rule-Section 4(a)	This Phase I final test rule constitutes EPA's final decision concerning the testing needs for diethylenetriamine (DETA), as recommended by the Interagency Testing Committee, for all effects except carcinogenicity. This rule establishes testing requirements for manufacturers and processors of diethylenetriamine consisting of (1) oral subchronic (90-day) toxicity in at least one mammalian species, (2) dermal absorption in the same mammalian species used for the subchronic testing, (3) chemical fate under aerobic conditions, and (4) mutagenicity (including tests for both gene mutations and chromosomal aberrations).
Diethylenetriamine (DETA) 111-40-0	51 FR 12344 April 10, 1986 40 CFR Part 799 Proposed Rule-Section 4(a)	EPA has issued a final rule requiring manufacturers and processors of diethylenetriamine (DETA) to test this chemical for oral subchronic (90-day) toxicity, dermal absorption, chemical fate, and mutagenicity (both gene mutation and chromosomal aberration). The Agency is now proposing that the study plans and schedules for these tests that were submitted by an industry consortium be adopted, with certain provisions, as the test standards and reporting deadlines for DETA under this test rule.
Diethylenetriamine 111-40-0	50 FR 21413 May 23, 1985 40 CFR Part 799 Proposed Rule - Section 4(a)	EPA is proposing that manufacturers and processors of diethylenetriamine (DETA) conduct chronic oncogenicity bioassays of this substance in both rats and mice. This procedure will be

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 21413 May 23, 1985 40 CFR Part 799 Proposed Rule - Section 4(a)	(Continued) required if positive test results are obtained for the chemical in certain of the mutagenicity assays required for DETA in the chemical's final Phase I test rule. DETA is proposed for testing because the Interagency Testing Committee (ITC) designated it for priority consideration in its Eighth Report. The ITC recommended that DETA be tested for the following health effects: chronic effects, reproductive effects, and teratogenicity. Oncogenicity bioassay testing of DETA is being proposed as a single-phase test rule.
Diethylenetri-amine, 111-40-0	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Diisopropyl biphenyl, 69009-90-1	49 FR 22286 May 29, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of bisphenol A.
2,3-Dimetho-xstrychnidin-10-one 357-57-3	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1,3-Dioxolane, 646-06-0	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of alkyltin compounds.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Ethane, 1,1'-[methylenebis(oxy)] bis[2-chloro- 111-91-1	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Ethene (2-chloroethoxy)- 110-75-8	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Ethylene bis (oxyethylene) diacetate, 111-21-7	48 FR 55686 December 14, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 2-(2-butoxyethoxy) ethyl acetate.
2-Ethylhexanoic acid, 149-57-5	49 FR 22286 May 29, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of bisphenol A.
2-Ethylhexanoic acid (EHA), 149-57-5	50 FR 20678 May 17, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4	EPA is proposing that manufacturers and processors conduct health effects tests for this chemical. The proposed health effects tests include pharmacokinetic studies, and 90-day subchronic toxicity and developmental toxicity tests. This notice constitutes EPA's response to the Interagency Testing Committee's designation of EHA for priority testing consideration.
p-Ethyltoluene, 622-96-8	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Ethyltoluenes 25550-14-5; Trimethylbenzenes: (1,2,3-TMB), 526-73-8; (1,3,5-TMB), 108-67-8; (1,2,4-TMB), 95-63-6; and the C9 aromatic hydrocarbon fraction	50 FR 20662 May 17, 1985 40 CFR Part 799 Final Rule-Section 4(a)	EPA issued a final test rule requiring the manufacturers and processors of the C9 aromatic hydrocarbon fraction obtained from the reforming of crude petroleum, other than those who manufacture and process this fraction solely as an impurity, to test the C9 aromatic hydrocarbon fraction for neurotoxicity, mutagenicity, developmental toxicity, reproductive effects, and oncogenicity (unless certain mutagenicity test results are negative). This rule required that testing of the C9 aromatic hydrocarbon fraction be performed according to protocols submitted to and approved by the Agency.
Ethyltoluenes, Trimethylbenzenes, and the C9 hydrocarbon fraction	51 FR 10557 March 27, 1986 40 CFR Part 799 Proposed Rule-Section 4(a)	EPA has issued a final rule for the first phase of a two-phase test rule under section 4(a), that requires that manufacturers and processors of the C9 aromatic hydrocarbon fraction (C9 fraction), obtained from the reforming of crude petroleum, test the C9 fraction for neurotoxicity, mutagenicity, developmental toxicity, reproductive effects, and oncogenicity (unless certain mutagenicity test results are negative). The Agency is now proposing that the protocols submitted by the American Petroleum Institute (API), with minor additions as proposed by the Agency, be adopted as the test standards for the C9 fraction under this test rule. The Agency is also proposing schedules for the testing. This notice begins the second phase of the C9 fraction test rule.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Mixed ethytoluenes, 25550-14-5	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Fluoroacetic acid, sodium salt 62-74-8	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Fluoroalkenes This category is defined as fluoroalkenes of the general formula: $C_nH_{2n-x}F_x$ where n equals 2 or 3 and x equals 1 to 6. As of Marach 30, 1983, this category includes, but is not limited to, the following four fluoroalkenes and any category members reported as confidential for the TSCA Inventory. Any substances fitting the category definition added to the TSCA Inventory after March 30, 1983, are also subject to this subpart. Tetrafluoroethene, 116-14-3; Hexafluoropropene, 116-15-4; Trifluoroethene, 359-11-5; Trifluoromethylethene, 677-21-4.	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Fluoroalkenes (vinylfluoride), 75-02-5; Vinylidene fluoride, 75-38-7; Hexafluoropropene, 116-15-4; Tetrafluoroethane, 116-14-3	50 FR 46133 November 6, 1985 40 CFR Part 799 Proposed Test Rule-Section 4(a)	This document proposes to require testing for certain health effects for the fluoroalkenes: vinyl fluoride (VF), vinylidene fluoride (VDF), hexafluoropropene (HFP), and tetrafluoroethene (TFE). Proposed testing consists of reproductive effects testing for VDF, subchronic toxicity testing for HFP, chronic oncogenicity bioassays for VF and VDF, tiered mutagenicity testing for VF, VDF, HFP, and TFE and, depending on the outcome of the mutagenicity testing, chronic oncogenicity bioassays for HFP and TFE.
Formamide, 75-12-7	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Glycidol and its derivatives: Oxiranecarboxylic acid, 3-methyl-3-phenyl-ethyl ester, 77-83-8; Oxirane, 2,2'-[1,3-phenylenebis (oxymethylene)] bis-, 101-90-6; 2-Propenoic acid, oxiranylmethyl ester, 106-90-1; 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, 106-91-2; Oxirane [(2 propenyloxy) methyl]-, 106-92-3; Oxirane-carboxylic acid,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(continued) 3-phenyl-, ethyl ester, 121-39-1; Oxirane, (phenoxymethyl)-, 122-60-1; Disiloxane 1,1,3,3-tetramethyl-1,3-bis(3-oxiranylmethoxy) propyl]-, 126-80-7; Oxiranemethanol, 556-52-5; Oxirane, (methoxymethyl)-, 930-37-0; Oxirane, 2,2'-[(1-methylethylidene) bis (4,1-phenyleneoxymethylene]bis-, 1675-54-3; Oxirane, [2-methylphenoxy) methyl]-, 2210-79-9; Oxirane, 2,2'-[1,2-ethanediylbis(oxymethylene)]bis-, 2224-15-9; Oxirane, 2,2'-[oxybis (methylene)]bis-, 2238-07-05; Oxirane, 2,2'-[1,4-phenylene bis(oxymethylene)]bis-, 2425-01-6; Oxirane, 2,2',4-butanediylbis(oxymethylene)] bis, 2425-79-8; Oxirane, (butoxymethyl)-, 2426-08-6; Oxirane,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) [[(2-ethylhexyl) oxy]methyl]-, 2461-15-6; Oxirane, [dodecyl-oxy methyl]-, 2461-18-9; Silane, trimethoxy [3-(oxiranyl-methoxy)propyl]-, 2530-83-8; Silane, diethoxymethyl [3-oxiranylmeth-oxy)propyl]-, 2897-60-1; Oxirane[4-(1,1-di-methylethyl) phenoxy]methyl]-, 3101-60-8; Oxirane(ethoxy methyl)-, 4016-11-9; Oxirane [1-methylethoxy) methyl]-, 4016-14-2; Oxiranemetham-anine, N-[4-oxiranylmeth-oxy)phenyl]-N-(oxiranylmethyl)-, 5026-74-4; Oxirane [(4-nitrophenoxy) methyl]-, 5255-75-4; 1,2-Cyclohex-anedicarboxylic acid, bis(oxiran-ylmethyl)ester, 5493-45-8; Pro-pane, 1,2-epoxy-3-(p-monylphenoxy)-, 6178-32-1; 1,2-Benzenedicar-boxylic acid, bis (oxiranylmethyl) ester, 7195-45-1;	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) Oxirane, 2,2',2",2'"-[1,2-ethenadilidenetetrakis (4,1-phenyleoxymethylene)tetrakis-, 7328-97-4; Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-[3-oxiranylmethoxy) propyl]-, 7422-52-8; Benzenesulfenyl chloride, 2-nitro-, 7665-72-7; Oxirane, 2,2',2-[1,2,3-propanetriltris(oxymethylene)]tris-, 13236-02-7; Oxirane, 2,2'-(oxiranylmethoxy)-1,3-phenylene]bis methylene)]bis-, 13561-08-5; Cyclohexane, 1,4-bis(2,3-epoxypropoxy)methyl]-, 14228-73-0; Oxirane[(hexadecyl oxy)methyl]-, 15965-99-8; Oxirane,[(octadecyloxy)methyl]-, 16245-97-9; Oxirane, 2,2'-[(2,2-dimethyl-1, 3-propanediyl)bis(oxy methylene))bis-, 17557-23-2; Silane, [3-(2,3-epoxypro-	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

CHEMICALS SUBJECT TO ANPRs, NPRMs AND FINAL RULES
UNDER SECTIONS 4 AND 8 OF TSCA

Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued poxy)propyl]ethoxy dimethyl-, 17963-04-1; Oxirane, [(2,4-dibromophenoxy)methyl]-, 20217-01-0; Oxirane, 2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bis-, 25085-99-8; Oxirane, [(methylphenoxy)methyl]-, 26447-14-3; 2,4-Imidazolidinedine, 5,5-dimethyl-3-[oxiranylmethoxy)propyl]-1-(oxiranylmethyl),32568-89-1; Oxirane, [(1,2-dibromopropoxy) methyl]-, 35243-89-1; 2,4-Imidazolidinedione, 3,3'-[2-(oxiranylmethoxy)-1,3-propanediyl]bis[5,5-dimethyl-1-(oxiranylmethyl)-38304-52-8; [Tetradecyloxy]methyl]-, 38954-75-5; Oxirane, 2,2-[methylenebis (phenyleneoxymethylene)]bis-, 39817-09-9; Oxirane, 2,2'[methylenebis (2,1-phenyleneoxymethylene)]bis-,	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 54208-63-8; Oxirane,[(9-octadecenyloxy)methyl]-, (Z)-, 60501-41-9; Oxirane, [[4-(1-methyl-1-phenylethyl) phenoxy]methyl]-, 61578-04-9; Oxirane, 2,2'-[[[2-(oxiranylmethoxy)phenyl]-methylene]bis-(4,1-phenylene oxymethylene)] bis-, 67786-03-2; Oxirane, mono [(C_{10-18}-alkyloxy)methyl derivatives, 68081-84-5; Oxirane, 2,2',2"[propylidyne tris(4,1-phenylene-oxymethylene)]-tris-, 68517-02-2; Oxirane, 2',2',2"-[propylidynetris (4,1-phenyleneoxy methylene)]tris-, 68609-96-1; Oxirane, mono [(C_{12-14}-alkyl-oxy)methyl] derivatives, 68609-97-2; Oxirane, 2,2',2"-[1,2,6-hexanetrilytris(oxymethylene)]tris-, 68959-23-9; Oxirane, mono[(C_{6-12}-alkyloxy)	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) methyl] derivatives, 68987-80-4; Tetrasiloxane, 1,1,1,3,5,7,7,7-octamethyl-3,5-bis[3-(oxiranylmethoxyl)propyl]-, 69155-42-6; Poly (oxy-1,2-ethanediyl), &-[4-(oxiranylmethoxy)-benzoyl]-w-[[4-(oxiranylmethoxy)benzoyl]oxy]-, 69943-75-5; Oxirane, 2,2'-[(1-methylethylidene) bis[4,1-phenyleneoxy[1-(butoxymethyl)-2,1-ethanediyl]oxymethylene]]bis, 71033-08-04; Oxirane, 2,2'-[(1-methylethylidene)bis-[4,1-phenyleneoxy-3,1-propanediyloxy-4,1-phenylene(1-methylethylidene)-4,1-phenyleneoxymethylene]] bis-, 72319-24-5.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	
<u>Glycidol and its derivatives:</u> Glycidol, 556-52-5; Glycidyl ethers Resorcinol diglycidyl ether, 101-90-6; Allyl glycidyl ether,	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	The Interagency Testing Committee designated the category "glycidol and its derivatives" for priority consideration for testing, and recommended testing for carcinogenic, mutagenic, teratogenic, and other adverse health effects. The ITC also recommended that epidemiological studies be conducted. EPA is publishing this Notice to (1)

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 106-92-3; Phenyl glycidyl ether, 122-60-1; 1,3-Bis [3-(2,3-epoxyprop-oxy)propyl] tetramethyldi-siloxane, 126-80-7; Methyl glycidyl ether, 930-37-0; Bisphenol A diglycidyl ether, 1675-54-3; o-Cresyl glycidyl ether, 2210-79-9; Ethylene glycol diglycidyl ether, 2224-15-9; Diglycidyl ether, 2238-07-5; Hydroquinone diglycidyl ether, 2425-01-6; 1,4-Butanediol diglycidyl ether, 2425-79-8; n-Butyl glycidyl ether, 2426-08-3; 2-Ethylhexyl glycidyl ether, 2461-15-6; Lauryl glycidyl ether, 2461-18-9; 3-(Tri-methoxysilyl) prop-yl glycidyl ether, 2530-83-8; 3-(Methyldiethoxy-silyl)propyl glycidyl ether, 2897-60-1; p-tert-Butylphenyl glycidyl ether, 3101-60-8; 2-Meth-ylol-4,4'-isoprop-	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	(Continued) inform the public of the rationale EPA proposes to use in its selection of chemicals from this category for testing; (2) define the testing EPA is considering proposing; and (3) seek public comment on EPA's plan to propose a test rule for this category of chemical substances.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) ylidenediphenol diglycidyl ether, 3188-83-8; Glycerol 1,3-diglycidyl ether, 3568-29-4; Ethyl glycidyl ether, 4016-11-9; Isopropyl glycidyl ether, 4016-14-2; 4-(Diglycidylamino) phenyl glycidyl ether, 5026-74-4; p-Nitrophenyl glycidyl ether, 5255-75-4; p-Nonylphenyl glycidyl ether, 6178-32-1; 1,1,2,2-Tetra(p-hydroxyphenyl) ethane tetraglycidyl ether, 7328-97-4; 3-[Bis-(trimethylsiloxy) methyl]propyl glycidyl ether, 7422-52-8; tert-Butyl glycidyl ether, 7665-72-7; Glycerol triglycidyl ether, 13236-02-7; 2,6-Diglycidylphenyl glycidyl ether, 13561-08-5; 1,4-Bis[(glycidoxy) methyl]cyclohexane, 14228-73-0; Hexadecyl glycidyl ether, 15965-99-8; n-Octadecyl	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) glycidyl ether, 16245-97-9; Neopentyl glycol diglycidyl ether, 17557-23-2; 3-(Dimethyleth-oxysilyl)propyl glycidyl ether, 17963-04-1; 2,4-Dibromophenyl glycidyl ether, 20217-01-0; 2,6-Dibromo-4-methylphenyl glycidyl ether, 22421-59-6; Cresyl glycidyl ether (mixed isomers), 26447-14-3; 3-(2-Glycidoxyprop-yl)-1-glycidyl-5,5-dimethylhy-dantoin, 32568-89-1; 1,2-Dibromoprop-yl glycidyl ether 35243-89-1; 1,3-Bis(5,5-dimeth-yl-1-glycidylhydan-toin-3-yl)-2-gly-cidyloxypropane, 38304-52-8; Tetra-decyl glycidyl ether, 38954-75-5; Bisphenol F digly-cidyl ether, 54208-63-8; Oleyl glycidyl ether, 60501-41-9; p-Cumylphenyl glycidyl ether, 61578-04-9; 2,2'-[[[2-Oxiranylmeth-oxy)phenyl]meth-	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) ylene]bis-(4,1-phenyleneoxy-methylene)]bis-(oxirane), 67786-03-2; Alkyl (C10-C16)glycidyl ether, 68081-84-5; 1,3-Dimethylbutyl glycidyl ether, 68134-06-5; 6-Methylheptyl glycidyl ether, 68134-07-6; Tris(4-hydroxy-phenyl)propane triglycidyl ether, 68517-02-2; Alkyl (C8-C10)glycidyl ether, 68609-96-1; Alkyl (C12-C14) glycidyl ether, 68609-97-2; 1,2,6-Hexanetriol triglycidyl ether, 68959-23-9; Alkyl (C6-C12) glycidyl ether, 68987-80-4; 1,1,1,3,5,7,7,7-Octamethyl-3,5-bis (6,7-epoxy-4-oxaheptyl)tetrasiloxane, 69155-42-6; 2,2-Bis[p-(2-glycidyloxy-3-butoxypropyl-oxy)phenyl]propane, 71033-08-4; 3-[(3-Chloropropyl)dimethoxysilyl] propyl glycidyl ether, 71808-64-5; 2,2'-[(1-Methylethyl-	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) idene)bis[4,1-phenyleneoxy-3,1-propanediyloxy-4,1-phenylene(1-methylethylidene)-4,1-phenyleneoxy-methylene]]bis(oxirane), 72319-24-5; 2,4-Dibromo-6-methylphenyl glycidyl ether, 75150-13-9 Glycidyl Esters Glycidyl acrylate, 106-90-1; Glycidyl methacrylate, 106-91-2; Diglycidyl ester of hexahydrophthalic acid, 5493-45-8; Diglycidyl ester of phthalic acid, 7195-45-1; Glycidyl ester of neodecanoic acid, 26761-45-5; 1,2,3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecenoic acid, 74398-71-3	48 FR 57562 December 30, 1983 40 CFR Part 799 Advance Notice of Proposed Rulemaking - Section 4(a)	
Haloalky epoxide 428-25-8	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Halogenated alkyl epoxides (halogenated noncyclic aliphatic hydrocarbons with one or more epoxy functional groups): Oxirane (chloromethyl)- 106-89-8; Oxirane, trifluoro(trifluoromethyl)-, 428-59-1; Oxirane, (2,2,2-trichloroethyl)-, 3083-25-8; Oxirane, bromomethyl-, 3132-64-7.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Hexachloro-1,3-butadiene, 87-68-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Hexachlorocyclopentadiene, 77-47-4	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Hexachlorocyclopentadiene, 77-47-4; Butyl glycolyl butyl phthalate, 85-70-1; Chlorendic acid, 115-28-6; Trifluoroethene, 359-11-5; Trifluoromethylethene, 677-21-4; Hexachloroethane, 67-72-1; Tris(2-chloroethyl) phosphite, 140-08-9	50 FR 39666 September 30, 1985 40 CFR Part 716 Interim Final Rule-Section 8(d)	EPA is terminating the reporting periods for seven substances by removing them from the list of substances and mixtures in the section 8(d) model Health and Safety Data Reporting rule (40 CFR Part 716). EPA has determined that the Agency no longer needs continuing health and safety data reporting on these seven substances. Removing a substance from the section 8(d) model rule eliminates most of the reporting requirements for current and prospective manufacturers, importers, and processors of the substance.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Hexachlorocyclo-pentadiene, 77-47-4	51 FR 1233 January 9, 1986 40 CFR Part 716 Final Rule - 8(d)	EPA is revising the decision to remove hexachlorocyclopentadiene (HCCPD) from the list of substances and mixtures in the section 8(d) model Health and Safety Data Reporting rule (40 CFR Part 716). The decision is based on comments received in response to the final rule. EPA is retaining HCCPD on the 8(d) list.
Hexachloroethane, 67-72-1	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
1,2,3,4,7,7-Hexa-chloronorbornadi-ene (HEX-BCH), 3389-71-7	50 FR 7351 February 22, 1985 40 CFR Parts 704 and 721 Proposed Rule - Section 8(a)	This proposed rule would require certain manufacturers, importers, and processors of hexachloronor-bornadiene (HEX-BCH) to submit a report that would allow EPA to monitor the volume of HEX-BCH manufactured, imported, and processed, the number of individuals exposed to HEX-BCH, the manner of its environmental release, and the method of its disposal. EPA would evaluate the reported information to determine if further regulatory action is needed.
Hexachloronorborn-adiene (HEX-BCH) 3389-71-7	50 FR 47534 November 19, 1985 40 CFR Parts 704 and 721 Final Rule-Section 8(a)	EPA is requiring certain manufac-turers, importers, and processors of hexachloronorbornadiene to submit a report to EPA, and other manufacturers, importers, and processors of HEX-BCH to submit a significant new use notice under section 5(a). The reports and notices will allow EPA to monitor: the volume of HEX-BCH manufactured, imported, and

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 47534 November 19, 1985 40 CFR Parts 704 and 721 Final Rule-Section 8(a)	(Continued) processed; the number of individuals exposed to HEX-BCH; the manner of its environmental release; and the method of its disposal. EPA will evaluate the reported information to determine if further regulatory action is needed.
1,2,3,4,7,7-Hexachloronorbornadiene, 3389-71-7	48 FR 55686 December 14, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 2-(2-butoxyethoxy) ethyl acetate.
Hexafluoropropylene oxide (HFPO), 428-59-1	48 FR 57686 December 30, 1983 40 CFR Part 799 Proposed Rule - Section 4(a)	The Interagency Testing Committee (ITC) recommended that EPA consider requiring health effects testing of halogenated alkyl epoxides. EPA is proposing that the manufacturers and processors of hexafluoropropylene oxide (HFPO), one member of the category of halogenated alkyl epoxides, test HFPO for mutagenicity, oncogenicity, and reproductive effects. Teratogenicity and epidemiology testing were not recommended.
Hydroperoxide, 1-methyl-1-phenylethyl- 80-15-9	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Hydroquinone, 123-31-9	50 FR 53145 December 30, 1985 40 CFR Part 799 Final Rule-Section 4(a)	On January 4, 1984, the EPA proposed that manufacturers and processors of hydroquinone conduct health and environmental effects testing of that chemical (39 FR 438). EPA has reviewed the comments on the proposal as well as new testing results and additional data that have become

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 53145 December 30, 1985 40 CFR Part 799 Final Rule-Section 4(a)	(Continued) available since the publication of the proposed rule. Based on these reviews, the Agency is today promulgating a final test rule that requires manufacturers and processors of hydroquinone to evaluate hydroquinone's toxicokinetics and to determine its potential to produce nervous system, reproductive, and teratogenic effects.
Hydroquinone, 123-31-9	50 FR 53160 December 30, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4(a)	This document proposes that certain test guidelines and industry-submitted guidelines be used as the test standards for the required studies for hydroquinone and that test data be submitted within specified time frames.
Hydroquinone, 123-31-9	50 FR 53160 December 30, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4	This document proposes that certain test guidelines and industry-submitted guidelines be used as the test standards for the required studies for hydroquinone and that test data be submitted within specified time frames. In the final test rule for hydroquinone, the required testing includes toxicokinetics, developmental toxicity, reproductive effects and nervous system effects. EPA is proposing that the toxicokinetic testing be conducted according to the toxicokinetic guideline under 40 CFR 798.7650, which is contained in this proposed test standard. The required toxicokinetic studies, via dermal and oral routes of

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 53160 December 30, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4	(Continued) exposure, will allow the Agency to reasonably predict the toxicokinetic behavior of hydroquinone. In addition, the National Toxicology Program (NTP) is currently performing a two-year bioassay on hydroquinone via an oral exposure route. Since gavage studies are generally not designed to provide information on either the rate or extent of absorption of a test material, the toxicokinetic studies will provide data relevant to comparing the doses of hydroquinone received by workers and hobbyists through dermal contact with those administered internally in the ongoing NTP bioassay. EPA is proposing that all data developed under this rule be reported in accordance with its final TSCA Good Laboratory Practice (GLP) standards, which appear in 40 CFR Part 792, published in the Federal Register of November 29, 1983 (48 FR 53922). Specific reporting requirements for each of the proposed test standards follow: 1. The toxicokinetic tests shall be completed and the final results submitted to the Agency within 1 year of the effective date of the final Phase II test rule. Interim progress reports shall be provided quarterly.

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 53160 December 30, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4	(Continued) 2. The developmental toxicity test shall be completed and the final results submitted to the Agency within 18 months of the effective date of the final Phase II test rule. Interim progress reports shall be provided quarterly. 3. The two-generation reproductive effects toxicity test shall be completed and final results submitted to the Agency within 29 months of the effective date of the final Phase II test rule. Interim progress reports shall be provided quarterly. 4. The neurotoxicity tests shall be completed and final results submitted to the Agency within 1 year of the effective date of the final Phase II test rule. Interim progress reports shall be provided quarterly. The Agency will announce receipt of the data required by this rule in the Federal Register within 15 days, as required by section 4(d). Test data received pursuant to this rule will be made available for public inspection by any person, except in those cases where the Agency determines that confidential treatment must be accorded, pursuant to section 14(b) of TSCA.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Hydroquinone, 123-31-9	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Isophorone, 78-59-1	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Isopropyl biphenyl, 25640-78-2	49 FR 22286 May 29, 1984 40 CFR 716 Final Rule - Section 8(d)	See discussion of bisphenol A.
3(2H) Isoxazolone, 5-(aminomethyl)-2763-96-4	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Lead naphthenate, 61790-14-5	48 FR 24366 June 1, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of calcium naphthenate.
Maleic anhydride, 108-31-6	49 FR 30188 July 27, 1984 40 CFR Part 716 Final Rule - Section 8(d)	This amendment adds five chemicals to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d).
Mercaptobenzothiazole, 149-30-4	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
2-Mercaptobenzothiazole 149-30-4	50 FR 46121 November 6, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4(a)	EPA is proposing that manufacturers and processors of 2-mercaptobenzothiazole (MBT) be required to perform testing for persistence and mobility, chronic aquatic toxicity, pharmacokinetics, developmental toxicity, reproductive toxicity, neurotoxicity, and chromosomal aberra-

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 46121 November 6, 1985 40 CFR Parts 798 and 799 Proposed Rule-Section 4(a)	(Continued) tions. This proposed rule is in response to the Interagency Testing Committee's (ITC's) designation of MBT for priority consideration for chemical fate and environmental effects testing.
Mesityl oxide (MO), 141-79-7	50 FR 51857 December 20, 1985 40 CFR Part 799 Final Rule-Section 4(a)	EPA is issuing a final test rule establishing testing requirements for manufacturers and processors of mesityl oxide (MO). Testing requirements include (1) inhalation subchronic (90-day) toxicity in at least one mammalian species, (2) mutagenicity (including tests for both gene mutations and chromosomal aberrations) and (3) oncogenicity (if certain mutagenicity test results are positive).
Mesityl oxide (MO), 141-79-7	50 FR 51888 December 20, 1985 40 CFR Part 799 Final Rule-Section 4(a)	EPA is proposing a change in the test rule process for mesityl oxide. Manufacturers and processors would still be required to test this chemical (under a final rule in 50 FR 51857) and to submit the test data to EPA. However, for the testing requirements under this final rule, EPA proposes that manufacturers and processors would be subject to an expedited single-phase rulemaking process instead of the usual two-phase process. The Agency is proposing the effects for which testing will be required and is proposing pertinent TSCA test guidelines as test standards and timeframes for submitting test data. (See 50 FR

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 51888 December 20, 1985 40 CFR Part 799 Final Rule-Section 4(a)	(Continued) 39252.) The oncogenicity tests, to be triggered if certain tier I or II mutagenicity tests are positive, shall be completed, and the final results submitted to the Agency 53 months after submission of the positive mutagenicity test results. Interim progress reports shall be provided quarterly.
Mesityl oxide, 141-79-7	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
meta-Ethyltoluene, 620-14-4	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Methallyl-2-nitrophenyl ether, 13414-54-5	49 FR 1696 January 13, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Methylcyclopentane, 90-37-7; Tetrabromobis-phenol A, 79-94-7; Triethylene glycol monomethyl ether, 112-35-6; Triethylene glycol monoethyl ether, 112-50-5; Triethylene glycol monobutyl ether, 143-22-6	50 FR 20900 May 21, 1985 40 CFR Part 716 Final Rule 8(d)	EPA is adding Methylcyclopentane, Tetrabromobisphenol A, Triethylene glycol monoethyl ether, Triethylene glycol monomethyl ether, Triethylene glycol monoethyl ether, and Triethylene glycol monobutyl ether to the list of chemical substances and mixtures for which lists and copies of unpublished health and safety studies must be submitted under section 8(d). The chemicals were recommended by the Interagency Testing Committee (ITC) in its Sixteenth Report and designated for priority consideration by EPA within 1 year.

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 20900 May 21, 1985 40 CFR Part 716 Final Rule 8(d)	(Continued) Manufacturers and importers who qualify as small with respect to previously prescribed standards are exempt from this rule under 40 CFR 712.25(c).
Methylcyclopentane and Commercial Hexane, 96-37-7	51 FR 17854 May 15, 1986 40 CFR Parts 795 and 799 Proposed Rule-Section 4(a)	In response to the Interagency Testing Committee's (ITC's) designation of methylcyclopentane for health effects testing, EPA is proposing that manufacturers and processors of MCP and of commercial hexane (other than as impurities) be required under section 4(a)(1)(A) to test MCP for neurotoxicity (schedule-controlled operant behavior, neuropathology, functional observation battery, motor activity, and developmental neurotoxicity screen), subchronic toxicity, and inhalation and dermal pharmacokinetics (absorption, distribution, metabolism, and excretion). The Agency also believes that it could find that there is the potential for substantial human exposure to MCP from its manufacture, processing and use as a substantial component of commercial hexane and other mixed hexane products. EPA is proposing the testing of MCP because it is the second largest constituent of commercial hexane. The largest constituent, n-hexane, is a known neurotoxicant undergoing testing by the National Toxicology Program (NTP) for other toxicological end-points. The Agency has inadequate information to characterize the toxicity of

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 17854 May 15, 1986 40 CFR Parts 795 and 799 Proposed Rule-Section 4(a)	(Continued) MCP. If industry should consider reformulating commercial hexane to reduce its n-hexane content, the content of MCP in the mixture would increase. Therefore, the Agency believes that testing MCP is necessary to determine its potential impact on human health. Because there is substantial production and widespread exposure to commercial hexane and because current exposure to MCP occurs primarily following exposure to commercial hexane, EPA is also proposing under section 4(a)(1)(B) that manufacturers and processors of commercial hexane other than as an impurity be required to perform testing of this substance for acute and subchronic toxicity, oncogenicity, reproductive toxicity, developmental toxicity, mutagenicity, neurotoxicity (schedule-controlled operant behavior, neuropathology, functional observation battery, and motor activity), and inhalation and dermal pharmacokinetics (absorption, distribution, metabolism and excretion).
4,4'-Methylenebis (2-chloroaniline) (MBOCA), 101-14-4; or 4,4'-Methylenebis(2-chlorobenzenamine)	51 FR 13220 April 18, 1986 40 CFR Part 704 Final Rule-Section 8(a)	This rule establishes reporting and recordkeeping requirements for the chemical substance 4,4'-methylenebis(2-chloroaniline). As a result, certain persons who propose to manufacture MBOCA in the United States must notify EPA and submit information on the proposed manufacturing process to the Agency. The required notice

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 13220 April 18, 1986 40 CFR Part 704 Final Rule-Section 8(a)	(Continued) will provide EPA with an opportunity to evaluate the proposed manner or method of manufacturing MBOCA and, if necessary, initiate regulatory action under TSCA section 6 or 7 to prohibit or limit this activity in order to reduce risk to human health or the environment. This final rule substitutes for a withdrawn significant new use rule (SNUR) that was proposed by EPA for prospective manufacturers of MBOCA on April 26, 1985 (50 FR 16519).
4,4'-Methylenebis (2-chloroaniline) (MBOCA), 101-14-4	51 FR 22836 June 23, 1986 40 CFR Part 764 Termination of Investigation; Referral to OSHA	This notice announces termination of EPA's regulatory investigation addressing potential occupational risks associated with the commercial use of 4,4'-methylene-bis(2-chloroaniline), also known as MBOCA. MBOCA is an aromatic diamine-curing agent used in the manufacture of certain poly-urethane articles and coatings. This action closes the Advance Notice of Proposed Rulemaking (ANPR) published in the Federal Register of May 23, 1983 (48 FR 22954), which initiated the regulatory investigation. In accordance with section 9(d) of TSCA, 15 U.S.C. 2608(d), EPA is transmitting to the Department of Labor's Occupational Safety and Health Administration (OSHA), for its consideration, all information contained in EPA's public record.

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Chemical	Rule Reference	Excerpt of Rule (key points)
4,4'-Methylenedi-aniline, 101-77-9	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Methyl ethyl ketone, 78-93-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Methyl isobutyl ketone, 108-10-1	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Methylolurea, 1000-82-4	48 FR 24366 June 1, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of calcium naphthenate.
Methylpyridine, 1333-41-1	49 FR 30188 July 27, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of maleic anhydride.
2-Methylpyridine, 109-06-8	49 FR 30188 July 27, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of maleic anhydride.
3-Methylpyridine, 108-99-6	49 FR 30188 July 27, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of maleic anhydride.
4-Methylpyridine, 108-89-4	49 FR 30188 July 27, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of maleic anhydride.
Monobutyltin tris(isooctyl) mercaptoacetate 25852-70-4	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See Bis(2-ethylhexyl) terephthalate.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Nitrobenzene, 98-95-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
7-Nitro-2,2-dimethyl-2,3-dihydrobenzofuran, 13414-55-6	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Non-polymeric organic chemical substances which are listed on the TSCA Chemical Substances Inventory and which are manufactured or imported at an annual volume of 10,000 lbs. or more per plant site.	50 FR 9944 March 12, 1985 40 CFR 710 Proposed Rule - Section 8(a)	Initially, manufacturers/importers would be required to report the most current production volume (or amount imported), plant site, and site-limited status of each of the reportable substances. Thereafter, updated reports would be required once every two years if a significant change in production volume (or amount imported) or a significant change in site-limited status has occurred. Small manufacturers/importers, as defined in the TSCA 8(a) Small Manufacturers Exemption Rule (40 CFR Part 704), would be exempt from the requirements of this proposed rule.
Octamethylcyclotetrasiloxane, 556-67-2	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
Octamethylcyclotetrasiloxane 556-67-2	50 FR 45123 October 30, 1985 40 CFR Parts 797 and 799 Proposed Rule-Section 4	In response to the Interagency Testing Committee's (ITC's) designation of OMCTS for priority testing consideration, EPA is proposing that manufacturers and processors conduct chemical fate and environmental effects tests for this chemical. The proposed testing includes: biodegradation studies and a number of

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 45123 October 30, 1985 40 CFR Parts 797 and 799 Proposed Rule-Section 4	(Continued) environmental effects studies including acute toxicity studies in fish, invertebrates, amphipods, oysters, and algae; chronic toxicity studies in fish and invertebrates; bioconcentration potential in fish and oysters; and a mallard reproduction test.
Oleylamine, 112-90-3	49 FR 45610 November 19, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	EPA has issued a proposed test rule under section 4(a) of TSCA in response to the Interagency Testing Committee's designation of oleylamine (9-octadecenylamine, ODA) for health effects testing consideration. Manufacturers and processors of oleylamine must perform testing for (1) developmental toxicity, (2) 90-day dermal subchronic toxicity, and (3) mutagenicity.
Oleylamine, 112-90-3	48 FR 55686 December 14, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 2-(2-butoxyethoxy) ethyl acetate.
ortho-Ethyltoluene, 611-14-3	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
para-Ethyltoluene, 622-96-8	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule-Section 8(d)	See discussion of 7-amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Oxirane (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)-38565-52-5	47 FR 38791 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Pentabromoethylbenzene, 85-22-3	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
Pentabromoethylbenzene (PEB) 85-22-3	50 FR 46785 November 13, 1985 40 CFR Parts 796 and 799 Proposed Rule-Section 4(a)	EPA is proposing that manufacturers and processors of pentabromoethylbenzene (PEB) be required to perform testing for chemical fate and environmental effects. This proposed rule is in response to the Interagency Testing Committee's (ITC's) designation of PEB for priority consideration for health and environmental effects testing.
2-Phenoxyethanol, 122-99-6	48 FR 24366 June 1, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of calcium naphthenate.
Phenylenediamine (PDA) (category): ortho-Phenylenediamine (o-PDA), 95-54-5; meta-Phenylenediamine (m-PDA), 108-45-2; para-Phenylenediamine (p-PDA), 106-50-3	51 FR 472 January 6, 1986 40 CFR Parts 796, 797, and 799 Proposed Rule-Section 4(a)	EPA has proposed a test rule for ortho-phenylenediamine, meta-phenylenediamine, and para-phenylenediamine. These three free bases and the sulfate salts of m- and p-PDA constitute five of the 47 phenylenediamines (PDAs) designated by the Interagency Testing Committee (ITC) in its Sixth Report for priority consideration for testing. This action reflects the comments submitted to EPA in response to the Advance Notice of Proposed Rulemaking (ANPR) on the PDAs published in the Federal Register of January 8, 1982 (47 FR 973). Testing is proposed for all three free bases for aquatic oxidation rate and toxicity to aquatic organisms. m-PDA is also being proposed for testing in the Drosophila Sex-Linked Recessive Lethal (SLRL) test.

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Chemical	Rule Reference	Excerpt of Rule (key points)
p-Phenylenediamine, 106-50-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Phenylenediamines This category is defined as all nitrogen-unsubstituted phenylenediamines and their salts with zero to two substitutents on the ring selected from the same or different members of the group of halo, nitro, hydroxy, hydroxy-lower alkoxy, lower-alkyl, and lower alkoxy. For this purpose, the term "lower" is defined as a group containing between one and four carbons. As of March 30, 1983, this category includes, but is not limited to, the following phenylenediamines and any category members reported as confidential for the TSCA Inventory. Any substances fitting the category definition added to the TSCA Inventory after	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) March 30, 1983, are also subject to this subpart. o-Diaminobenzene, 95-54-5; 2,5-Diamino-toluene, 95-70-5; 1,3-Diamino-4-methylbenzene, 95-80-7; o-Phenylene-diamine,4-chloro, 95-83-0; o-Phenylenedi-amine,4-nitro, 99-56-9; 3,5-Diaminotoluene, 108-71-4; m-Diaminobenzene, 108-45-2; 2,4-Diaminophenol dihydrochloride, 137-09-7; 1,2-Diamino-4-methylbenzene, 496-72-0; m-Phenylenediamine sulfate (1:1), 541-70-8; m-Phenylenedi-ammonium dichlor-ide, 541-69-5; m-Phenylenedi-amine, 4-methoxy-dihydrochloride, 614-94-8; m-Phenylenedi-amine, 4-methoxy, 615-05-4; 1,2-Phenylene-diamine dihydro-chloride, 615-28-1;	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 1,4-Benzenediamine 2-methyl-, dihydrochloride, 615-45-2; p-Phenylenediamine 2-chloro-, dihydrochloride, 615-46-3; 2,5-Diaminotoluene sulfate, 615-50-9; p-Phenylenediamine dihydrochloride, 624-18-0; 2,6-Diamino-1-methylbenzene, 823-40-5; o-Phenylenediamine 4-ethoxy, 1197-37-1; 1,2-Diamino-3-methylbenzene, 2887-25-4; o-Phenylenediamine, 4-butyl, 3663-23-8; m-Phenylenediamine, 5-nitro, 5042-55-7; m-Phenylenediamine, 4 nitro, 5131-58-8; m-Phenylenediamine 4-chloro,5131-60-2; p-Diaminoanisole,5307-02-8; p-Phenylenediamine 2-nitro, 5307-14-2; m-Phenylenediamine 2-nitro, 6219-67-6; p-Phenylenediamine	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 2-chloro-, sulfate, 6219-71-2; o-Phenylenediamine 4-nitro-, sulfate, 6219-77-8; 1,4-Benzenediamine 2-methyl-, sulfate, 6369-59-1; 4,6-Diamino-o-cresol, 15872-73-8; p-Phenylenediamine sulfate, 16245-77-5; p-Phenylenediamine 2-nitro-, dihydrochloride, 18266-52-9; p-Phenylenediamine, 2,5-dichloro-, 20103-09-7; Diaminotoluene, 25376-45-8; 2,4-Diaminoanisole sulfate, 39156-41-7; 1,2-Benzenediamine, 5-chloro-3-nitro-, 42389-30-0; 1,4-benzenediamine, ethanedioate (1:1), 62654-17-5; 4,6-Diamino-2-methylphenol, hydrochloride, 65879-44-9; Ethanol, 2-(2,4-diaminophenoxy)-, dihydrochloride, 66422-95-5;	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 1,3-Benzenediamine, 4-ethoxy-, dihydrochloride, 67801-06-3; 1,3-Benzenediamine 4-ethoxy-, sulfate (1:1), 68015-98-5; m-Phenylenediamine 4-chloro-, sulfate, 68239-80-5; 1,2-Benzenediamine 4-nitro-, sulfate (1:1), 68239-82-7; 1,4-Benzenediamine 2-nitro-, sulfate (1:1), 68239-83-8; 1,2-Benzenediamine 4-chloro-, sulfate (1:1), 68459-98-3; 1,3-Benzenediamine, ar-ethyl-ar-methyl, 68966-84-7.	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	
Phosphoric acid, tributyl ester, 126-73-8; Cyclohexane, 110-82-7; 2,6-di-tert-Butylphenol, 128-39-2	51 FR 18323 May 19, 1986 40 CFR Part 716 Final Rule-Section 8(d)	In its Eighteenth Report, the Interagency Testing Committee (ITC) recommended that EPA give priority consideration to phosphoric acid, tributyl ester, in promulgating a chemical test rule. To assist EPA in its determination of which, if any, tests are needed for this substance, EPA is adding this substance to the section 8(d) Health and Safety Data Reporting Rule. This rule will require manufacturers, importers, and processors of this substance to report unpublished health and safety data to EPA.

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 18323 May 19, 1986 40 CFR Part 716 Final Rule-Section 8(d)	(Continued) The ITC also announced that two chemicals that had been recommended with intent-to-designate by the ITC in its Seventeenth Report, are now designated for response within 12 months. These are cyclohexane and 2,6-di-tert-butylphenol.
Phosphorodithioic acid, O,O-diethyl S-methyl ester 3288-58-2	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Polybrominated biphenyls, 67774-32-7	45 FR 70728 October 24, 1980 40 CFR Part 704 Final Rule - Section 8(a)	This rule requires that the EPA be notified of any manufacture or importation of polybrominated biphenyls (PBBs) and tris (2,3-dibromopropyl) phosphate (Tris). The purpose is to confirm that there are no significant sources of these substances and to ensure that EPA has the opportunity to investigate the circumstances of any resumption of production.
Polychlorinated biphenyls 1336-36-3	50 FR 13393 April 4, 1985 40 CFR Part 761 Proposed Rule-Section 4	EPA has incorporated by reference certain American Society for Testing and Materials (ASTM) test methods in the polychlorinated biphenyl (PCB) regulations. The test method ASTM D3178-73 has been revised by ASTM. EPA is proposing that the revised method be used to meet particular PCB testing requirements and invites comments on the revised method.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Polychlorinated terphenyls (polychlorinated ortho-, meta-, and para- terphenyls); Aroclor 5460, 11126-42-4; Aroclor 5442, 12642-23-8; Terphenyl, chlorinated, 61788-33-8.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Polyhalogenated Dibenzo-p-dioxins/Dibenzofurans The following chemicals proposed for testing are listed below with their CAS registry number, where available: Tetrabromobisphenol-A 79-94-7 2,4-Dichlorophenoxy acetic acid 94-75-7 2,4-Dichlorophenoxybutyric acid 94-82-6 2,3,5,6-Tetrachloro-2,5-cyclohexadiene-1,4-dione 118-75-2	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	This document proposes to require manufacturers and importers of 14 commercial organic chemicals to test for the presence of certain chlorinated and brominated dibenzo-p-dioxins (dioxins) and dibenzofurans (furans). In addition, this testing will be required for 20 other commercial organic chemicals not currently manufactured or imported commercially in the United States should their manufacture or importation resume. EPA also proposes, under section 8(a) of TSCA, to require manufacturers and importers of the 14 commercially produced chemicals to submit existing test data on contamination of these chemicals with dioxins or furans and to require similar information on the 20 other chemicals, should commercial manufacture or importation resume. EPA also proposes to require under section 8(d) that all chemical manufacturers submit health and safety studies on any dibenzo-p-dioxins and/or dibenzofurans.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 2,4,6-Tribromophenol 118-79-6 2,4-Dichlorophenol 120-83-2 Decabromodiphenyloxide 1163-19-5 Tetrabromobisphenol-A-bisethoxylate 4162-45-2 Tetrabromobisphenol-A-bis-2,3-dibromopropyl ether 21850-44-2 Ethyl ether of tetrabromobisphenol-A 25327-89-3 Pentabromodiphenyloxide 32534-81-9 Octabromodiphenyloxide 32536-52-0 1,2-Bis(tribromophenoxy)-ethane 37853-59-1 Tetrabromobisphenol-A diacrylate	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	(Continued) If the testing proposed under this rule, or other valid existing test data, shows that any of these commercial chemicals contain dioxins at concentrations at or above 0.1 parts per billion (ppb) per congener and/or furans at or above 1.0 ppb per congener, with respect to these chemicals, EPA proposes to require the submission of: (1) production, process, use, exposure, and disposal data under section 8(a); (2) unpublished health and safety studies under section 8(d); and (3) records of allegations of significant adverse reactions both to the chemicals and to the dioxins/furans under section 8(c). This rule also proposes, under section 8(a), to require the submission of production, process, use, exposure, and disposal data by manufacturers of chemical products made from any of 12 precursor chemicals, to determine whether there is further need for dioxin and furan testing of the chemical products made from these precursor chemicals.

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) The following additional chemicals will be tested if their commercial manufacture or importation resumes: Tetrachlorobis-phenol-A 79-95-8 3,4,5-Tribromosalicyl-anilide 87-10-5 2,6-Dichloro-phenol 87-65-0 3,4-Dichloro-phenol 95-77-2 2,4,5-Trichloro-phenol 95-95-4 2,6-Dibromo-4-nitrophenol 99-28-5 2[2,4-(Dichloro-phenoxy)]-propionic acid 120-36-5 3,5-Dichloro-salicyclic acid 320-72-9	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) Tetrabromo-catechol 488-47-1 2,3-Dichloro-phenol 576-24-9 2,5-Dichloro-phenol 583-78-8 Pentabromophenol 609-71-9 2,4-Dibromo-phenol 615-56-7 2,3,6-Trichloro-phenol 933-75-5 4-Bromo-2,5-dichlorophenol 1940-42-7 3,5-Dibromo-salicylanilide 2577-72-2 Pentachloro-phenyl laurate 3772-94-9 Bismethylether of tetrabromo-bisphenol-A 37853-61-5 Alkylamine tetrachloro-phenate	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) Tetrabromobis-phenol-B _____ The Agency solicits comments on whether the substances listed below have uses other than as pesticides. Should other uses be found, these chemicals will be subject to the testing and reporting requirements under this rule. 2,2'-Methylene-bis(3,4, 6-trichloro-phenol) 70-30-4 Pentachloro-phenol and salts 87-86-5 2,4,6-Trichloro-phenol 88-06-2 2,4,5-Trichloro-phenoxypropanoic acid, esters and salts 93-72-1	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 2,4,5-Trichlorophenoxyacetic acid, esters and salts 93-76-5 2,2-Dichloropropanoic acid, 2-(2,4,5-trichlorophenoxy)-ethyl esters 136-25-4 2-(2,4-Dichlorophenoxyethyl sulfate), sodium salts 136-78-7 Phosphorothioic acid, O,O-dimethyl O-(2,4,5-trichlorophenyl)ester 299-84-3 3,5-Dibromo-4-hydroxybenzonitrile 1689-84-5 3,6-Dichloro-o-anisic acid, dimethylamine salt 2300-66-5 o-(2-chloro-4-nitrophenyl)o,o-dimethylphosphorothioate 2463-84-5	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	

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Chemical	Rule Reference	Excerpt of Rule (key points)
(Continued) 5-Chloro-2-(2,4-dichlorophenoxy) phenol 3380-34-5	50 FR 51794 December 19, 1985 40 CFR Part 766 Proposed Rules-Sections 4, 8(a), 8(c) and 8(d)	
1-Propanamine 107-10-8	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1-Propanamine, N propyl- 142-84-7	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propane, 1,1-dichloro 78-99-9	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propane, 1,3-dichloro 142-28-9	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propane, 2,2-dichloro 594-20-7	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propanedinitrile 109-77-3	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propanenitrile, 2 hydroxy-2-methyl 75-86-5	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-

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Chemical	Rule Reference	Excerpt of Rule (key points)
Propanol, 2,3-dichloro- 616-23-9	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1-Propanol, 2-methyl 78-83-1	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
2-Propanone, 1-bromo 598-31-2	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1-Propene, 1,1-dichloro 563-58-6	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1-Propene, 1,2-dichloro 563-54-2	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1-Propene, 1,1,2,3,3,3-hexachloro- 1888-71-7	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Propylene oxide 75-56-9	50 FR 48762 November 27, 1985 40 CFR Part 799 Final Rule-Section 4(a)	This final rule requires manufacturers and processors of propylene oxide to test this chemical for developmental toxicity.
Propylene oxide 75-56-9	50 FR 48803 November 27, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	For the chemical propylene oxide, EPA is proposing a change in the test rule process. Manufacturers and processors will still be required to test this chemical (under the final rule in 50 FR 48762) and to submit the test data to EPA. However, EPA proposes that inhalation toxicity

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Chemical	Rule Reference	Excerpt of Rule (key points)
	50 FR 48803 November 27, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	(Continued) testing be conducted using the TSCA test guideline for developmental toxicity as the test standard. (See 50 FR 3952, September 27, 1985 or 40 CFR 798.4350.) This guideline describes methods for performing testing of chemical substances under TSCA. EPA is proposing that all data developed under this rule be reported in accordance with its TSCA Good Laboratory Practice (GLP) standards. (These appear at 40 CFR Part 792.) The Agency is proposing that the development toxicity test be completed and the final results submitted to the Agency within 12 months of the effective date of the final test rule. Interim progress reports shall be provided quarterly.
Propyn-1-ol 107-19-7	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
Pyridine, 110-86-1	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Quinone, 106-51-4	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Quinone, 106-51-4	49 FR 456 January 4, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	EPA has proposed that manufacturers and processors of quinone perform carcinogenicity, chemical fate, and environmental fate testing of that chemical substance. Teratogenicity testing is not proposed.
Sodium N-methyl-N-oleoyltaurine, 137-20-2	49 FR 46741 November 26, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of anthraquinone.
Sodium-N-methyl-N-oleoyltaurine 137-20-2	50 FR 46178 November 6, 1985 Notice-Section 4(a)	This notice is EPA's response to the Interagency Testing Committee's (ITC's) recommendation that EPA consider requiring health effects testing of sodium N-methyl-N-oleoyltaurine (SMOT). EPA is not initiating a rulemaking at this time to require health or environmental effects testing of SMOT. EPA's analysis of available data indicates that few people are exposed to this chemical, exposure levels are low, and only small amounts of this chemical are released to the environment. Existing information on health effects does not suggest potential for an unreasonable risk at expected exposure levels.
4-(1,1,3,3-Tetramethylbutyl) phenol, 140-66-9	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of alkyltin compounds.
Tetraphosphoric acid, hexaethyl ester 757-58-4	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-

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Chemical	Rule Reference	Excerpt of Rule (key points)
Toluene, 108-88-3	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Thiourea, (2-chlorophenyl)- 5344-82-1	51 FR 2890 January 22, 1986 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of Acetamide, N-(aminothioxomethyl)-
1,2,3-Trichloro-benzene, 87-61-6	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
1,2,4-Trichloro-benzene, 120-82-1	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
1,3,5-Trichloro-benzene, 108-70-3	49 FR 1760 January 13, 1984 40 CFR Part 799 Proposed Rule - Section 4(a)	See discussion of chlorobenzene.
1,2,3-Trichloro-benzene, 87-61-6; 1,2-and 1,4-Dichlorobenzene, 95-50-1, 104-46-7; 1,2,4-Trichloro-benzene, 120-82-1	51 FR 11756 April 7, 1986 40 CFR Part 799 Proposed Rule-Section 4	This document proposes that certain test guidelines be used as the test standards for the required studies for 1,2- and 1,4-dichlorobenzene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene, and that test data be submitted within specified time frames.
1,2,3-Trichloro-benzene, 87-61-6; 1,2- and 1,4-Dichlorobenzene 95-50-1, 104-46-7; 1,2,4-Trichloro-benzene, 120-82-1	51 FR 11728 April 7, 1986 40 CFR Part 799 Final Rule-Section 4	This rule requires manufacturers and processors of 1,2,3-trichlorobenzene to conduct environmental effects testing, and manufacturers and processors of 1,2- and 1,4-dichlorobenzene to conduct chemical fate testing. Manufacturers and processors of 1,2,4-trichlorobenzene are required to conduct both chemical fate and environmental

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Chemical	Rule Reference	Excerpt of Rule (key points)
	51 FR 11728 April 7, 1986 40 CFR Part 799 Final Rule-Section 4	(Continued) effects testing. This action is necessary to comply with the designation of these substances by the Interagency Testing Committee for priority testing consideration.
1,1,1-Trichloroethane, 71-55-6	49 FR 39810 October 10, 1984 40 CFR Part 799 Final Rule - Section 4(a)	This rule requires that manufacturers and processors of 1,1,1-trichloroethane test this chemical for teratogenic effects or, more appropriately, developmentally toxic effects.
1,1,1-Trichloroethane 71-55-6	50 FR 31895 August 7, 1985 40 CFR Part 799 Proposed Rule-Section 4(a)	EPA issued a final rule under section 4(a) requiring that manufacturers and processors of 1,1,1-trichloroethane (TCEA) test this chemical for developmentally toxic effects. The Agency is now proposing that the protocols and schedule submitted by an industry consortium be adopted as the test standards for TCEA under this test rule.
1,1,1-Trichloroethane (methyl chloroform), 71-55-6	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Trimethylbenzene, 95-63-6	48 FR 23088 May 23, 1983 40 CFR Part 791 Proposed Rule - Section 4	See discussion of ethyltoluenes.
Trimethylbenzene (mixed isomers), 25551-13-7	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran.
1,2,3-Trimethylbenzene, 526-73-8	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran.

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Chemical	Rule Reference	Excerpt of Rule (key points)
1,2,4-Trimethyl-benzene, 95-63-6	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran.
1,3,5-Trimethyl-benzene, 108-67-8	49 FR 1696 January 13, 1984 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of 7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran.
Tris (2-chloro-ethyl) phosphite, 140-08-9	48 FR 13178 March 30, 1983 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of benzyl butyl phthalate.
Tris (2,3-dibromo-propyl) phosphate (Tris), 126-72-7	45 FR 70728 October 24, 1980 40 CFR Part 704 Final Rule - Section 8(a)	See discussion of polybrominated biphenyls.
Tris (2-ethyl-hexyl) trimelli-tate, 3319-31-1	47 FR 54624 December 3, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of alkyltin compounds.
Urea-formaldehyde resins, 9011-05-6, 68611-64-3	49 FR 21371 May 21, 1984 40 CFR Part 765 Advance Notice of Proposed Rulemaking - Section 4(a)	EPA plans to propose a rule under section 4(a) of the Toxic Substances Control Act (TSCA) to perform health effects testing on urea-formaldehyde resins (i.e., uncured UF Resins). EPA will solicit data on exposure, environmental releases, health effects, chemical fate and environmental effects. EPA is also collecting information on the chemical composition of various UF resins, as well as seeking public comment on criteria for selecting test substances.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Urea-formaldehyde (UF) resins: Urea, polymer with formaldehyde, 9011-05-06; Urea, reaction product with formaldehyde, 68611-64-3	50 FR 18861 May 3, 1985 40 CFR Parts 712 and 716 Final Rule-Section 8(d)	EPA added UF resins to the Preliminary Assessment Information (PAI) Rule and to the list of chemical substances and mixtures that require submission to EPA of unpublished health and safety studies. These actions were taken under TSCA's sections 8a and 8d, respectively. Under the PAI rule, general production, use, and exposure data on 250 chemicals were to be reported to the Agency by November 19, 1982 (40 CFR 712). However, 40 CFR 712.30(c) provided that chemicals designated by the Interagency Testing Committee (ITC) may be made subject to the PAI rule by publication of a regulation in the Federal Register. When EPA issued standard reporting requirements for unpublished health and safety studies under a regulation of September 2, 1982 (47 FR 38780), the Agency also provided for amending the list of chemicals subject to the PAI rule (40 CFR 716). Under this final rule, UF resins became subject to 40 CFR 712 and 716. It went into effect on June 3, 1985.
Urea-formaldehyde resins	50 FR 46295 November 7, 1985 40 CFR Part 716 Final Rule-Section 8(d)	EPA is amending the TSCA Section 8(d) model health and safety data reporting rule to exempt reporting of certain agronomic plant growth or damage studies on urea-formaldehyde resins. (See discussion of Urea-formaldehyde resins.)

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Chemical	Rule Reference	Excerpt of Rule (key points)
Vinyl acetate 108-05-04	50 FR 52923 December 27, 1985 40 CFR Part 716 Final Rule-Section 8(d)	EPA is adding vinyl acetate to the list of chemical substances and mixtures in the Health and Safety Data Reporting Rule, 40 CFR Part 716. Past, current, and prospective manufacturers, importers, and processors of vinyl acetate are required to provide EPA with lists and copies of unpublished health and safety studies on this substance. The information received by the Agency will be used to support a detailed assessment of the health and environmental risks of this substance.
Vinyl fluoride, 75-02-5	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Vinylidene fluoride, 75-38-7	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.
Xylenes (ortho-, meta-, and para-xylene): Benzene, 1,2,-dimethyl-, 95-47-6; Benzene, 1,4-dimethyl-, 106-42-3; Benzene, 1,3-dimethyl-, 108-38-3.	47 FR 38780 September 2, 1982 40 CFR Part 716 Final Rule - Section 8(d)	See discussion of acetonitrile.

PART III

B. CHEMICALS WHICH IN THE PAST HAVE BEEN SUBJECT TO FINAL 8(a) PRELIMINARY ASSESSMENT INFORMATION RULES

NOTE: TSCA 8(a) Preliminary Assessment Rules require reporting within 60 days, of the effective date of the rule. The reporting period has expired on the chemicals in this section. This list is provided for your information only.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Acetic acid, 2,2'-((butyl-stannylidyne)-tris (thio))tris-, triisooctyl ester, 25852-70-4	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	This amendment adds 17 chemical substances, recommended for testing consideration in the 11th report of the Interagency Testing Committee (ITC), to the Toxic Substances Control Act (TSCA) section 8(a) Preliminary Assessment Information Rule (PAI Rule). Manufacturers of these chemicals are required to submit production, use, and exposure data to EPA as specified in the PAI Rule. EPA will use the reported data to evaluate risk associated with these chemicals and to determine whether they should be subject to testing under section 4 of TSCA.
Acetic acid, 2,2',-((dibutyl-stannylene)bis (thio)) bis-, diisooctyl ester, 25168-24-5	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Acetic acid, 2,2'-((dimethyl-stannylene)bis (thio))bis-, diisooctyl ester, 26636-01-1	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Acetic acid, 2,2',2"-((methyl-stannylidyne)-tris (thio))tris',tri-isooctyl ester, 54849-38-6	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Anthraquinone, 84-65-1	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	In response to the 15th report of the Interagency Testing Committee (ITC), which recommended this chemical for testing and for priority consideration by the EPA, EPA is requiring that the manufacturers of this chemical submit a completed Preliminary Assessment Information report (EPA Form No. 7710-35) for each plant site at which they manufacture or import this chemical. This action is being taken under the section 8(a) Preliminary Assessment Information rule.
Asbestos, 1332-21-4*	47 FR 33198 July 30, 1982 40 CFR Part 763 Final Rule - Section 8(a)	This rule requires reporting to EPA by asbestos manufacturers, importers, and processors. The information sought includes data on the quantities of asbestos used in making products, employee exposure data, and waste disposal and pollution control equipment data. Reported information will be utilized by EPA and other Federal agencies in considering the regulation of asbestos.
Benzene, 1-((2-methyl-2-propenyl)oxy)-2-nitro-, 13414-54-5	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
1,2,4-Benzene-tricarboxylic acid, tris (2-ethylhexyl) ester, 3319-31-1	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.

*Chemical Abstract Service (CAS) numbers followed by an asterisk are taken from the TSCA Inventory of Chemical Substances and appear only in that inventory.

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Chemical	Rule Reference	Excerpt of Rule (key points)
1,4-Benzene-dicarboxylic acid, bis (2-ethylhexyl) ester, 6422-86-2	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Benzofuran, 2,3-dihydro-2,2-dimethyl-7-nitro-, 13414-55-6	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
7-Benzofuranamine, 2,3-dihydro-2,2-dimethyl-, 68298-46-4	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Bisphenol A, 80-05-7	49 FR 22284 May 29, 1984 40 CFR Part 712 Final Rule - Section 8(a)	This amendment adds five chemicals to the Preliminary Assessment Information rule. Within a designated time, manufacturers of these chemicals must submit a completed Preliminary Assessment Information report (EPA Form No. 7710-35) for each plant site at which they manufacture or import one of these five chemicals.
1,3-Butadiene, 2-chloro-(8C1)(9C1), 126-99-8	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.
2-Butenoic acid, 4,4'-[(dibutyl-stannylene)-bis-(oxy)]bis((4-oxo-, diisooctyl ester, (Z,Z)-)25168-21-2	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisoocytl ester.

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Chemical	Rule Reference	Excerpt of Rule (key points)
2-(2-Butoxyethoxy) ethyl acetate, 124-17-4	48 FR 55685 December 14, 1983 40 CFR Part 712 Final Rule - Section 8(a)	This amendment adds four chemicals to the Preliminary Assessment Information rule. The rule requires manufacturers of these chemicals to complete the Preliminary Assessment Information report (EPA Form No. 7710-35) within a designated time for each plant site at which they manufacture or import one of these four chemicals. The four chemicals are: ethylene bis(oxyethylene) diacetate (111-21-7), oleylamine (112-90-3), 2-(2-butoxyethoxy)ethyl acetate (124-17-4); and 1,2,3,4,7,7-hexachloronorbornadiene (3389-71-7).
Calcium naphthenate, 61789-36-4	48 FR 21294 May 11, 1983 40 CFR Part 712 Final Rule - Section 8(a)	Chemicals added to the 4(e) priority list on the 12th ITC report are automatically included in 8(a) reporting requirements.
Cobalt naphthenate, 61789-51-3	48 FR 21294 May 11, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of calcium naphthenate.
Cumene, 98-82-8	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Cyclohexane, 110-82-7; 2-6-Di-tert-butyl phenol, 128-39-2; Diisodecyl phenyl phosphite,	50 FR 47539 November 19, 1985 40 CFR Part 716 Final Rule-Section 8(a)	The Interagency Testing Committee (ITC) recommended that EPA give priority consideration to three chemical substances in promulgating chemical test rules. To assist EPA in its determination of which, if any, tests were needed, EPA adds these substances to the 8(a) Preliminary Assessment Information Rule.
1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane, 3322-93-8	49 FR 22284 May 29, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of bisphenol A.
3,4-Dichlorobenzotrifluoride, 328-84-7	50 FR 11695 March 25, 1985 40 CFR Part 712 Final Rule - Section 8(a)	This rule adds 3,4-dichlorobenzotrifluoride to the list of substances subject to the Preliminary Assessment Information (PAI) rule. The Interagency Testing Committee (ITC) recommended this chemical in its Fourteenth Report but did not designate it for priority consideration within 1 year. The PAI rule requires manufacturers of 3,4-dichlorobenzotrifluoride to complete the Preliminary Assessment Information Manufacturer's Report (EPA Form 7710-35). EPA will use the information submitted to evaluate risks associated with the chemical, as well as to determine whether the chemical should be included in testing rules issued under section 4.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Diisopropyl biphenyl, 69009-90-1	49 FR 22284 May 29, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of bisphenol A.
1,3-Dioxolane, 646-06-0	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-(butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Ethylene bis (oxyethylene) di-acetate, 111-21-7	48 FR 55685 December 14, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of 2-(2-butoxy-ethoxy) ethyl acetate.
2-Ethylhexanoic acid, 149-57-5	49 FR 22284 May 29, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of bisphenol A.
1,2,3,4,7,7-Hexa-chloronorbornadi-ene, 3389-71-7	48 FR 55685 December 14, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of 2-(2-butoxy-ethoxy) ethyl acetate.
Isopropyl biphenyl, 25640-78-2	49 FR 22284 May 29, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of bisphenol A.
Lead naphthenate, 61790-14-5	48 FR 21294 May 11, 1983 40 CFR Part 716 Final Rule - Section 8(a)	See discussion of calcium naphthenate.
Mercaptobenzothi-azole, 149-30-4	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Mesityl oxide, 141-79-7	49 FR 25859 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	This amendment adds mesityl oxide, recommended for testing in the 4th Interagency Testing Committee (ITC) report, to the Preliminary Assessment Information rule. The rule requires manufacturers of this chemical to complete the Preliminary Assessment Information report (EPA Form No. 7710-35) within a designated time for each plant site at which they manufacture or import this chemical.
Methylcyclopentane, 90-37-7; Tetrabromobisphenol A, 79-94-7; Triethylene glycol monomethyl ether, 112-50-5; Triethylene glycol monobutyl ether, 143-22-6	50 FR 20900 May 21, 1985 40 CFR Parts 712 Final Rule-Section 8(a)	EPA adds these chemicals to the 8(a) Preliminary Assessment Information Rule. The chemicals were recommended by the Interagency Testing Committee in its Sixteenth Report and designated for priority consideration by EPA within 1 year.
Methylolurea, 1000-82-4	48 FR 21294 May 11, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of calcium naphthenate.
Octamethylcyclotetrasiloxane, 556-67-2	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.
Oleylamine, 112-90-3	48 FR 55685 December 14, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of 2-(2-butoxyethoxy) ethyl acetate.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Pentabromoethyl-benzene, 85-22-3	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.
Phenol, 4-(1,1,3,3-tetra-methylbutyl)-, 140-66-9	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-(butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
2-Phenoxyethanol, 122-99-6	48 FR 21294 May 11, 1983 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of calcium naphthenate.
Phosphoric acid, tributyl ester, 126-73-8; Cyclohexane, 110-82-7; 2,6-di-tert-Butyl-phenol, 128-39-2	51 FR 18323 May 19, 1986 40 CFR Part 712 Final Rule-Sections 8(a)	In its Eighteenth Report, the ITC recommended that EPA give priority consideration to phosphoric acid, tributyl ester, in promulgating a test rule. To assist EPA in its determination of which, if any, tests are needed for this substance. EPA adds this substance to the 8(a) Preliminary Assessment Rule. The ITC also announced that cyclohexane and 2,6-di-tert-butylphenol are designated for response within 12 months.
Sodium N-methyl-N-oleoyltaurine, 137-20-2	49 FR 46739 November 28, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of anthraquinone.
Stannane, dibutyl-bis(dodecylthio)-, 1185-81-5	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.

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Chemical	Rule Reference	Excerpt of Rule (key points)
Stannane, dibutyl-bis((1-oxododec-yl)oxy)-, 77-58-7	48 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
Trimethylbenzene (mixed isomers), 25551-13-7	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of Acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
1,2,3-Trimethyl-benzene, 526-73-8	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of Acetic acid, 2-2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.
1,3,5-Trimethyl-benzene, 108-67-8	49 FR 25856 June 25, 1984 40 CFR Part 712 Final Rule - Section 8(a)	See discussion of Acetic acid, 2,2'-((butylstannylidyne)-tris(thio))tris-, triisooctyl ester.

PART IV

CHEMICALS SUBJECT TO EXPORT NOTIFICATION TO EPA UNDER SECTION 12(b) OF TSCA

CHEMICALS SUBJECT TO EXPORT NOTIFICATION TO EPA UNDER SECTION 12(b) OF TSCA

Chemical	Rule/Action Reference
8-Acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-triaza-spiro (4,5) decane-2,4-dione	49 FR 1753 January 13, 1984 40 CFR Part 721 Proposed Rule - Section 5
Certain Acrylate chemicals 87320-05-6 (P-84-342) 96915-49-0 (P-84-341) 96915-50-3 (P-84-342) 96915-52-5 (P-84-343)	51 FR 11592 April 4, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)
Alkyl aryl phosphine	49 FR 36880 September 20, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Alkyl glycoether acrylic acid derivative (polyol carboxylate ester)*	49 FR 49868 December 24, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Certain Alkylsufonic acids, ammonium salts	51 FR 21190 June 11, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)
Aminophenol, 27598-85-2	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)

* An alternate chemical name within parentheses, followed by an asterisk, indicates an alternate name used for a TSCA 4(e) consent order for this chemical. Several chemicals listed in Parts I, II, and IV of this volume are affected.

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Chemical	Rule/Action Reference
Anilino ether	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Asbestos (Export Notification) 1332-21-4**	46 CFR 37608 July 21, 1981 40 CFR Part 707 (Statement of Clarification)
Asbestos	51 FR 3738 January 29, 1986 40 CFR Part 763 Proposed Rule-Section 6
1,2-Benzenediamine, 4-ethoxy, sulfate, 85137-09-3	49 FR 43058 October 26, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Substituted Benzenes, Halogenated	51 FR 9221 March 18, 1986 40 CFR Part 720 Proposed Rule-Section 5(a)(2)
Benzoic acid, 3,3'-methylene- bis(6-amino-, di-2-propenyl ester, 61386-02-5	50 FR 127 January 2, 1985 40 CFR Part 721 Proposed Rule - Section 5(a)
Benzoic acid, 3,3'-methylenebis(6-amino-, di-2-propenyl ester) 61386-02-5	51 FR 16684 May 6, 1986 40 CFR 23.5 Final Rule-Section 5(a)(2)
Benzophenonetetracarboxylic acid dimethyl ester	49 FR 50209 December 27, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)

**Chemical Abstract Service (CAS) numbers followed by 2 asterisks are taken from the TSCA Inventory of Chemical Substances and appear only on that inventory.

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Chemical	Rule/Action Reference
Biphenyl 92-52-4	50 FR 37182 September 12, 1985 40 CFR Part 799 Final Rule-Section 4(a)
Brominated aryl alkyl ether	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Bromothiophene, substituted (disubstituted heterocycle)*	49 FR 3810 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
C9 Aromatic hydrocarbons	51 FR 10557 March 27, 1986 40 CFR Part 799 Proposed Rule-Section 5(a)
Chlorofluorocarbons: Methane, chlorotrifluoro-, 75-72-9; Methane, trichlorofluoro, 75-69-4; Methane, dichlorodifluoro, 75-71-8; Methane, chlorodifluoro, 75-45-6; Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, 76-14-2; Ethane, chloropentafluoro-, 76-15-3; Methane, bromochloro-, 74-97-5; Methane, bromochlorodifluoro-, 353-59-3.	43 FR 11318 March 17, 1978 Parts 712, 762 Final Rule - Section 6
Chloromethane (methyl chloride) 74-87-3	50 FR 1753 May 7, 1985 40 CFR Part 799 Final Rule-Section 4(a)
Cresols: Phenol, 2-methyl, 95-48-7 Phenol, 3-methyl, 108-39-4 and Phenol, 4-methyl, 106-44-5	51 FR 15771 and 15803 April 28, 1986 40 CFR Part 799 and 795 Final and Proposed Rules-Section 4(a)

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Chemical	Rule/Action Reference
Diisodecyl phenyl phosphite 2550-98-5	49 FR 47874 December 7, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Diamino anisole, disubstituted	
Dicarboxylic acid monoester	49 FR 43961 October 26, 1984 40 CFR 721 Final Rule - Section 5(a)
Diethylenetriamine 111-40-0	50 FR 21398 May 23, 1985 40 CFR 23.5 Part 799 Final Rule-Section 4(a); 50 FR 21413 May 23, 1985 40 CFR Part 799 Proposed and Final Rule-Section 4(a);
((Dinitrophenyl)azo)- (2,4-diamino-5-methoxybenzene) derivatives	49 FR 42960 October 25, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
Disubstituted diamino anisole	50 FR 34463 August 26, 1985 40 CFR Part 721 Final Rule-Section 5(a)
Ethylamine, distillation residues, 79771-09-8	49 FR 46373 November 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)
Ethylated aminophenol	49 FR 38303 September 28, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)
2-Ethylhexanoic acid (EHA) 149-57-5	50 FR 20678 May 17, 1985 40 CFR Parts 798 and 799 Final Rule-Section 4;

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Chemical	Rule/Action Reference
Ethyltoluenes, 2550-14-5; Trimethylbenzenes: (1,2,3-TMB), 526-73-8; (1,3,5-TMB), 108-67-8; and (1,2,4-TMB), 95-63-6; and the C9 aromatic hydrocarbon fraction	50 FR 20662 May 17, 1985 40 CFR 799 Final Rule-Section 4
Halogenated-N-(2-propenyl)-N-(substituted phenyl) acetamide	50 FR 34500 August 26, 1985 40 CFR Part 721 Proposed Rule-Section 5(a)
1,2,3,4,7,7-Hexachloronorbornadiene (HEX-BCH), 3389-71-7	50 FR 7351 February 22, 1985 40 CFR Parts 704 and 721 Proposed Rule - Section 5(a)
Hexachloronorbornadiene (HEX-BCH) 3389-71-7	50 FR 47534 November 19, 1985 40 CFR 704 and 721 Final Rule-Section 5(a)
Hexamethylphosphoramide (HMPA), 680-31-9 and Urethane, 51-79-6	51 FR 9450 March 19, 1986 40 CFR Part 721 Final Rule-Section 5(a)
Hydroquinone 123-31-9	50 FR 53145 December 30, 1985 40 CFR Part 799 Final Rule-Section 4(a)
Isopropylamine, distillation residues, 79771-08-7	48 FR 46373 November 26, 1984 40 CFR Part 721 Final Rule - Section 5(a)
Mesityl oxide (MO) 141-97-7	50 FR 51857 December 20, 1985 40 CFR Part 799 Final Rule-Section 4(a);

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Chemical	Rule/Action Reference
Methylammonium N-methyldithiocarbamate	51 FR 10027 March 24, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)
Methylpyridine, substituted (substituted pyridine)*	49 FR 50396 December 28, 1984 40 CFR Part 721 Final Rule - Section 5(a)
N,N,N',N'-Tetrakis(oxiranylmethyl)-1,3-cyclohexanedimethanamine 65992-66-7	51 FR 1396 January 13, 1986 40 CFR Part 721 Proposed Rule-Section 5(a(2)
Nitrites, mixed mono and diamides of an organic acid	49 FR 36846 September 20, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)
Pentachloroethane 76-01-7	51 FR 10024 March 24, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)
2-Phenoxypyridine, substituted	49 FR 4390 February 6, 1984 40 CFR Part 721 Proposed Rule - Section 5
2-Phenoxypyridine, substituted (substituted phenol; sodium 2-substituted propanoate)	49 FR 50396 December 28, 1984 40 CFR Part 721 Final Rule - Section (5)
Polycarboxylic acid; and Polycarboxylic acid, alkanolamine salt - prohibition of use with nitrites in metalworking fluids	49 FR 2762 January 23, 1984 40 CFR Part 747 Immediately effective Proposed Rule - Section 5(f)

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Chemical	Rule/Action Reference
Polychlorinated biphenyls (criteria modification) 1336-36-3**	44 FR 31514 May 31, 1979 40 CFR Part 761 Final Rule - Section 6
Polychlorinated biphenyls (use in electrical equipment) 1336-36-3**	47 FR 37342 August 25, 1982 40 CFR Part 761 Final Rule - Section 6
Polychlorinated biphenyls (for use in electrical equipment), 1336-36-3**	49 FR 39966 October 11, 1984 40 CFR Part 761 Proposed Rule - Section 6(e)
Polychlorinated biphenyls (closed and controlled waste manufacturing) 1336-36-3**	47 FR 469080 October 21, 1982 40 CFR Part 761 Final Rule - Section 6
Polychlorinated biphenyls (railroad transformers) 1336-36-3**	48 FR 124 January 3, 1983 40 CFR Part 761 Final Rule - Section 6
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce and use prohibitions; response to individual and class petitions for exemptions) 1336-36-3**	49 FR 28154 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce, and use prohibitions; exclusions, exemptions, and use authorizations) 1336-36-3**	49 FR 28172 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)
Polychlorinated biphenyls (manufacturing, processing, distribution in commerce, and use prohibitions; use in microscopy and research and development) 1336-36-3**	49 FR 28193 July 10, 1984 40 CFR Part 761 Final Rule - Section 6(e)

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Chemical	Rule/Action Reference
Polychlorinated biphenyls (modification of definition of "totally enclosed") 1336-36-3**	49 FR 44634 November 8, 1984 40 CFR Part 761 Final Rule - Section 6(e)
Polychlorinated biphenyls (PCBs)	50 FR 35182 August 29, 1985 40 CFR Part 761 Proposed Rule-Section 6
Polychlorinated biphenyls (PCBs)	50 FR 29170 July 17, 1985 40 CFR Part 761 Final Rule
Polyglycidyl benzeneamine, substituted (polyglycidyl amine)**	49 FR 43649 October 31, 1984 40 CFR Part 721 Final Rule - Section 5(a)
Poly(2-hydroxypropyl) melamine, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl cyclohexane, 2-hydroxyethyl acrylate blocked	51 FR 22831 June 23, 1986 40 CFR Part 721 Proposed Rule-Section 5(a)(2)
Poly(oxy-1,4-butanediyl)-alpha-(1-oxo-2-propenyl)-omega-[(1-oxo-2-propenyl)oxy]	50 FR 34505 August 26, 1985 40 CFR Part 721 Proposed Rule-Section 5(a)
Potassium N,N-bis(hydroxyethyl) cocoamine oxide phosphate, 85712-26-1	49 FR 35011 September 5, 1984 40 CFR Part 721 Final Rule - Section 5(a)
Potassium N,N-bis(hydroxyethyl) tallowamine oxide phosphate, 85712-27-2	49 FR 35011 September 5, 1984 40 CFR Part 721 Final Rule - Section 5(a)

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Chemical	Rule/Action Reference
Propylene oxide 75-56-9	50 FR 48762 November 27, 1985 40 CFR Part 799 Final Rule-Section 4(a)
Tetrachlorodibenzo-p-dioxin, 1746-01-6	45 FR 32677 May 19, 1980 40 CFR Part 775 Final Rule - Section 6
Tetrachloroethylene derivatives	49 FR 43928 October 25, 1984 40 CFR Part 721 Final Rule - Section 5(a)
Tricarboxylic acid	49 FR 2762 January 23, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)
1,2,3-Trichlorobenzene 87-61-6 * 1,2- and 1,4-Dichlorobenzene 95-50-1 and 104-46-7 1,2,4-Trichlorobenzene 120-82-1	51 FR 11728 and 11756 April 7, 1986 40 CFR Part 799 Final Rule and Proposed Rule-Section 4
1,1,1-Trichloroethane, 71-55-6	49 FR 39810 October 10, 1984 40 CFR Part 799 Final Rule - Section 4(a)
Triethanolamine salt of tricarboxylic acid	49 FR 2762 January 23, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)

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Chemical	Rule/Action Reference
Triethanolamine salt of a substituted organic acid	49 FR 24658 June 14, 1984 40 CFR Part 747 Proposed Rule - Section 6(a) Immediately Effective Under Section 5(f)(2)
Urethane, 51-79-6	49 FR 39703 October 10, 1984 40 CFR Part 721 Proposed Rule - Section 5(a)

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Section 5(e) Consent and Unilateral Orders Issued

Substances subject to a TSCA section 5(e) order are subject to the section 12(b) export notification requirements. Such orders apply to "new" chemical substances subject to premanufacture notification (PMN) review.

The listing below contains a reference to a PMN number because section 5(e) orders are a direct EPA-to-company communication and, as such, are not published in the Federal Register.

Where the chemical identity is confidential, a generic name is used in this list. If a company is unsure whether it is exporting one of these substances (especially where only the generic name can be published here), the company should contact the TSCA Assistance Office (see Volume 1, inside front cover). For confidential substances, the company would have to make a "bona fide" inquiry under 40 CFR 720.25.

PMN No.	Submitter CBI = Confidential business information	Chemical Identification G = Generic name	Date Order Signed
79-21	CBI	Polymer of phthalic anhydride ethylene glycol, heptanol, and 2-ethylhexanol.	4/23/80
79-22	CBI	Polymer of phthalic anhydride, 1,2-propylene glycol, 1,4-butanediol, 1-octanol and 1-decanol.	4/23/80
79-23	CBI	Polymer of phthalic anhydride, ethylene glycol, heptanol, 1-octanol, and 1-decanol.	4/23/80
79-24	CBI	Polymer of phthalic anhydride, 1,2-propylene glycol, 1,4-butanediol, and 2-ethylhexanol.	4/23/80
79-25	CBI	Polymer of phthalic anhydride, 1,3-butylene glycol, 1-octanol, and 1-decanol.	4/23/80
79-26	CBI	Polymer of phthalic anhydride, 1,3-butylene glycol, 2-ethylhexanol.	4/23/80

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PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
80-35	CBI		Substituted phenol, reaction products with C_{22-30} alkenes	9/5/80
80-356	Marubeni America Corp.		Benzoic acid, 2-[[2-amino-5-hydroxy-6-[[4'-[[1-hydroxy-8-[[8-[[(4-methylphenyl) sulfonyl]amino]-3, 6-disulfo-2-naphthalenyl]azo]-3,3-dimethoxy[1,1'-bipnenyl]-4-yl]azo]-7-sulfo-1-naphthalenyl]azo-5-nitro-, trisodium salt.	10/9/81
80-357	Marubeni America Corp.		Benzoic acid, 2-[[2-amino-6-[[4'-[[5-[[2,5-disulfophenyl)azo]-1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenyl]azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]-azo]-5-hydroxy-7-sulfo-1-naphthalenyl]azo]-5-nitro-, tetrasodium salt.	10/9/81
82-400	Jordan Chemical Company		Potassium N,N-bis (hydroxyethyl) cocoamine oxide phosphate	9/10/82
82-409	Jordan Chemical Company		Potassium N,N-bis (hydroxyethyl) tallow amine oxide phosphate	9/10/82
82-678	CBI	G	Chlorinated aromatic azo anthraquinone pigment	12/1/83
82-679	CBI	G	Chlorinated aromatic azo pigment	12/1/83
82-684	CBI	G	Derivative of Tetrachloroethylene	1/17/83
83-23	CBI	G	Substituted phenol	3/9/83
83-24	CBI	G	Substituted pyridine	3/9/83
83-49	CBI	G	Substituted pyridine	3/9/83
83-75	CBI	G	Sodium 2-substituted propanoate	3/9/83

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PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
83-129 through 83-235	Union Oil Company of California (excluding PMN 83-164)		Syncrude (full range, dewaxed, dearsinited shale oil) and derived products. (Contact TSCA Assistance Office for further information.)	5/26/83
83-237	CBI	G	Substituted pyridine	4/4/83
83-255	CIBA-GEIGY Corporation	G	Dicarboxylic acid monoester	4/8/83
83-272	CBI	G	Substituted pyridine	3/9/83
83-370	CBI		8-Acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,1,3,8-triazaspiro[4,5]decane-2,4-dione.	9/2/83
83-394	Celanese Corporation	G	Polyglycidyl amine	8/10/83
83-401	CBI	G	Naphthalenetrisulfonic acid, chlorotriazinylamino methoxy-methylphenylazo-	7/17/83
83-418	CBI	G	Benzenedisulfonic acid, chloro-triazinylamino-dimethylphenylazo-sulfonaphthaleneazo-	8/13/85
83-434	CBI	G	Unsaturated aliphatic diether	1/23/84
83-603	American Cyanamid Company	G	Substituted nitrile	9/29/83
83-663	CBI	G	Alkyl-substituted aromatic amine (unilateral order)	11/16/83

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PMN No.	Submitter CBI = Confidential business information	Chemical Identification G = Generic name	Date Order Signed
83-769	CBI	G Disubstituted heterocycle	11/8/83
83-822	CBI	G Trisubstituted aniline	2/29/84
83-906	CBI	G Brominated aryl alkyl ether	11/22/83
83-908	CBI	G Ethylated amino phenol	11/22/83
83-909	CBI	G Amino phenol	11/22/83
83-910	CBI	G Amilinoether	11/22/83
83-1023	CBI	G Alkyl aryl phosphine	1/16/84
83-1033	CBI	G C6-8 Carboxylic acid	2/11/85
83-1085	CBI	G Substituted phenylacetamide	12/7/83
83-1157	CBI	G Substituted oxirane	9/25/84
83-1162	CBI	G Substituted pyridine	8/6/84
83-1163	CBI	G Substituted pyridine	8/6/84
83-1222	CBI	G Substituted alkyl halide	9/25/84
83-1227	CBI	G Perhalo alkoxy ether	9/25/84
83-1228	CBI	G Perhalo alkoxy ether	9/25/84
83-1229	CBI	G Perhalo alkoxy ether	9/25/84
84-7	Sherwin-Williams	N,N,N',N'-Tetraglycidyl-1,2-bis-aminomethyl cyclohexane	9/26/84
84-27	CBI	G Polyol carboxylate ester	4/9/84

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PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
84-105	CBI	G	Halogenated alkene	6/13/84
84-106	CBI	G	Halogenated alkane	6/13/84
84-107	CBI	G	Halogenated alkane	6/13/84
84-111	CBI	G	Substituted aromatic polymer	7/27/84
84-112	CBI	G	Substituted aromatic polymer	7/27/84
84-113	CBI	G	Substituted aromatic polymer	7/27/84
84-114	CBI	G	Substituted aromatic polymer	7/27/84
84-115	CBI	G	Substituted aromatic polymer	7/27/84
84-116	CBI	G	Substituted aromatic polymer	7/27/84
84-117	CBI	G	Substituted aromatic polymer	7/27/84
84-176	Fairad Technology	G	Aliphatic triol ester methacrylate	5/25/84
84-180	Fairad Technology	G	Polyester acrylate ester	5/25/84
84-181	Fairad Technology	G	Aliphatic acrylate ester	5/25/84
84-182	Fairad Technology	G	Polyether acrylate	5/25/84
84-183	Fairad Technology	G	Aliphatic ester methacrylate	5/25/84
84-184	Fairad Technology	G	Aliphatic ester methacrylate	5/25/84
84-274	Alcolac		Poly(oxy-1,4-butanediyl)-alpha-(1-oxo-2-propenyl)-omega-((1-oxo-2-propenyl)oxy)-	8/13/84

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PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
84-341	CBI		Poly(oxy(1-oxo-1,6-hexanediyl)), alpha-hydro-omega-hydroxy-,ester with 3-hydroxy-2,2-dimethylpropyl 2-hydroxy-2,2-dimethylpropanoate (2:1),di-2-propenoate	12/4/84
84-342	CBI		Poly(oxy(1-oxo-1,6-hexanediyl)), alpha-(1-oxo-2-propenyl)-omega-((tetrahydro-2-furanyl)methoxy)-	12/4/84
84-343	CBI		Poly(oxy(1-oxo,1,6-hexanediyl)), alpha-hydro-omega-hydroxy-, ester with 2,2'(oxybis(methylene))bis(2-(hydroxymethyl)-1,2-propanediol)2-propenoate, 2-propenoate	12/4/84
84-344	CBI		2-Propenoic acid, (2-(1,1-dimethyl-2-((1-oxo-2-propenyl)oxy)ethyl)-5-ethyl-1,3-dioxane-5-y)methyl ester	12/4/84
84-358	CBI	G	Polyaromatic urethane poly(unsaturated) ester	1/11/85
84-393	CBI	G	2-Chloro-n-methyl-n-substituted acetamide	8/13/84
84-417	Borg-Warner Chemicals	G	Substituted phenol	8/13/84
84-464	Ethyl Corporation	G	Halogenated aromatic ether	9/14/84 12/11/85
84-482	Texaco		Urea, condensate with poly(oxy(methyl-1,2-ethanediyl)), alpha-(20 aminomethyl-ethyl)-omega-(2-aminomethylethoxy)	9/26/84
84-491	CBI	G	Substituted aliphatic acid halide	10/4/84 2/10/86
84-492	CBI	G	Substituted hydroxylamine	10/4/84
84-527	CBI	G	Unsaturated amino alkyl ester salt	10/30/84

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PMN No.	Submitter CBI = Confidential business information	Chemical Identification G = Generic name	Date Order Signed
84-537	CBI	G Unsaturated amino ester salt	10/30/84
84-558	CBI	G Carboxylated alkane diol	6/21/85
84-569	CBI	G Polychlorinated alkylated aromatic hydrocarbon	9/26/84
84-591	Sybron	G Sodium salt of an alkylated, sulfonated aromatic	4/28/86
84-660	CBI	G Substituted aryl olefin	11/8/84
84-704	CBI	G Substituted alkyl arene	11/8/84
84-814	CBI	G Polysubstituted polyol	6/28/85
84-820	Dow Chemical	G Phosphonium salt	12/10/84
84-824	CBI	G Brominated aromatic	6/20/85
84-839	CBI	G Polyfunctional aziridine	1/24/85
84-860	CBI	G Disubstituted nitrobenzene	12/26/84
84-901	CBI	G Brominated aryl carbonate	6/20/85
84-902	CBI	G Brominated aryl amine	6/20/85
84-903	CBI	G Brominated aryl amine	6/20/85
84-913	Anitec Image	G N,N'-Bis(2-(2-(3-alkyl)thiazoline) vinyl)-1,4-phenylene diamine double salt	4/8/85
84-938	CBI	Polymer of hydroxy ethyl acrylate and polyisocyanate	7/23/85

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PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
84-951	CBI	G	Substituted aminobenzoic acid ester	12/26/84
84-954	CBI	G	Substituted aromatic	12/24/85
84-963	CBI		6-Nitro-2(3H)-benzoxazolone	3/12/85
84-968	CBI	G	Alkyl ester	4/18/85
84-1007	Anitec Image	G	3-Alkyl-2-(2-anilino)vinyl thiazolinium salt	4/8/85
84-1042	CBI		Methylammonium N-methyldithiocarbamate	2/8/85
84-1062	Fairfield Chemical		Methyl vinyl sulfone	6/20/85
84-1068	Uniroyal Chemical		N-Dimethylthiocarbamylthio-N'-phenyl urea	1/31/85
84-1074	Essex Specialty Products	G	Polyurethane polymer	4/26/85
84-1079	Dow Chemical	G	Alkylated diphenyl oxide	4/17/85
84-1136	Uniroyal Chemical	G	Substituted aromatic amide	12/23/85
84-1137	Uniroyal	G	Cycloaliphatic epoxide	1/30/86
84-1145	SCM	G	Alkyltrialkyoxysilane	6/17/85
84-1167	CBI	G	Epoxy ester	2/15/85
84-1184	CBI	G	Polychlorofluoro aromatic alkylated hydrocarbon	2/26/85
84-1219	DOW	G	Substituted pyridine	4/9/86

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PMN No.	Submitter CBI = Confidential business information	Chemical Identification G = Generic name		Date Order Signed
85-18	CBI	G	Substituted amino anthraquinones	3/20/86
85-36	DOW	G	Substituted pyridine	1/17/86
85-118	CBI	G	Oligomer	4/12/85
85-159	Pacific Anchor	G	Polymeric aliphatic polyol acrylate ester	6/5/86
85-160	Pacific Anchor	G	Polymeric aliphatic polyol acrylate ester	6/5/86
85-161	Pacific Anchor	G	Polymeric aliphatic polyol acrylate ester	6/5/86
85-162	Pacific Anchor	G	Polymeric aliphatic polyol acrylate ester	6/5/86
85-234	CBI	G	Disubstituted sulfide	3/5/86
85-236	DOW	G	Substituted pyridine	5/15/86
85-296	CBI	G	Silicone ester polyacrylate	1/9/86
85-298	CBI	G	Amino acrylate monomer	1/9/86
85-301	CBI	G	Urethane acrylate	6/10/85
85-367	Dupont	G	Haloalkyl substituted cyclic ether	1/17/86
85-368	Dupont	G	Haloalkyl substituted cyclic ether	1/17/86
85-369	Dupont	G	Haloalkyl substituted cyclic ether	1/17/86
85-415	CBI	G	Acrylate ester	7/11/85
85-428	Owens-Corning Fiberglas	G	Ester modified phenolic resin	8/8/85

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PMN No.	Submitter CBI = Confidential business information	Chemical Identification G = Generic name	Date Order Signed
85-433	Phillips	1-Propanol, 3-mercapto-	6/16/86
85-523	CBI	G Functionally modified urethane	7/16/85
85-527	CBI	G Vinyl-epoxy ester	8/8/85
85-564	CBI	Isocyanic acid, polymethylene polyphenylene ester, polymer with 1,1-methylenebis(4-isocyanatobenzene), 2-H	7/2/85
85-605	CBI	G Trisubstituted phenol	7/26/85
85-612	CBI	G Polymer of substituted aryl olefin	9/3/85
85-648	Pennwalt	G Isopropylidene-bis(1,1-dimethylpropyl) derivative	12/24/85
85-680	Pennwalt	G 1,1-Dimethylpropyl peroxyester	1/31/86
85-703	CBI	Polymer of hydroxy ethyl acrylate; isophorone diisocyanate; and melpol 125	9/11/85
85-706	DOW	G Substituted pyridine	1/17/86
85-730	CBI	G Substituted phosphate ester	11/20/85
85-822	CBI	G Substituted alkyl alkanol	4/5/86
85-890	DOW	G Polypropylene glycol alkyl ether	2/10/86
85-891	DOW	G Polypropylene glycol alkyl ether	2/10/86
85-892	DOW	G Polypropylene glycol alkyl ether	2/10/86
85-932	Dupont	G Disubstituted alkyltriazine	1/24/86

CHEMICALS SUBJECT TO EXPORT NOTIFICATION TO EPA

UNDER SECTION 12(b) OF TSCA

Section 5(e) Consent and Unilateral Orders Issued

PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
85-933	Dupont	G	Disubstituted alkyltriazine	1/24/86
85-1013	CBI	G	Aliphatic diurethane acrylate ester	4/1/86
85-1014	CBI		Polymer of: methacrylic acid; succinic anhydride; phenol, 4,4'-(1-methylethylidene) bis-polymer with (chloromethyl); 2-methylimidazole	1/3/86
85-1034	CBI	G	Kel Acrylate complex	2/13/86
85-1063	CBI	G	Functionally modified urethane	1/17/86
85-1068	CBI	G	Polyester polyurethane	1/17/86
85-1167	DOW	G	Halogenated alkene	3/07/86
85-1169	Celanese Specialty Resins	G	Acid modified acrylated epoxide	4/11/86
85-1170	Celanese Specialty Resins	G	Acid modified acrylated halogenated epoxide	4/11/86
85-1176	CBI		Alcohols, C 1-4, ethers with polyethylene polypropylene glycol mono(2-aminopropyl) ether, polymer with maleic annydride and trimethylolpropane triacylate	12/20/85
85-1180	CBI	G	Tert-amyl peroxy alkylene ester	5/23/86
85-1210	Chem-Fleur		Benzoic acid, 2-((3A,4,5,6,7,7A-hexahydro-5 (or 6) methoxy-4,7-methanoindan)-methylidene)amino, methyl	4/3/86
85-1211	Chem-Fleur		Benzoic acid, 2-(3-phenyl, butylidene) amino, methyl ester	4/3/86

CHEMICALS SUBJECT TO EXPORT NOTIFICATION TO EPA

UNDER SECTION 12(b) OF TSCA

Section 5(e) Consent and Unilateral Orders Issued

PMN No.	Submitter CBI = Confidential business information		Chemical Identification G = Generic name	Date Order Signed
85-1212	Chem-Fleur		Benzoic acid, 2-(3-(4-methyl, cyclohex-3-enyl), butylidene amino, methyl ester	4/3/86
85-1283	CBI	G	Polymer of an acrylate ester and mixed methacrylate esters	3/17/86
85-1302	CBI	G	Omega-functional esterified hydroxy methacrylate	3/17/86
85-1318	CBI	G	Functional polyurethane from polyalkylene oxide, aliphatic diisocyanate and substituted alkanol	3/5/86
85-1380	CBI	G	Ester-modified epoxy resin	3/6/86
85-1420	CBI	G	Substituted alkyl aniline	6/13/86
85-1425	CBI	G	Unsaturated acid and neterocyclic mo [illegible] oxy resin	4/1/86
86-83	Velsicol Chemical Corp.		3-Chloro-2,6-dinitro-N,N-dipropyl-4-(trifluorometnyl)-benzenamine	4/9/86
86-164	Marubeni America Corp.	G	Caprolactone modified by hydroxyethyl methacrylate	3/25/86
86-346	CBI	G	Substituted acrylated alkoxylated aliphatic polyol	6/9/86

PART V

NUMERICAL INDEX OF LISTED CHEMICALS BY CAS NUMBER

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B. CHEMICALS SUBJECT TO TSCA SECTION 12(b) EXPORT REQUIREMENTS - LISTED IN CAS-NUMBERED SEQUENCE

PART V

NUMERICAL INDEX OF LISTED CHEMICALS BY CAS NUMBER

A. CHEMICALS SUBJECT TO SPECIFIC PROPOSED AND FINAL REGULATIONS UNDER TSCA

A. CHEMICALS SUBJECT TO SPECIFIC PROPOSED AND FINAL REGULATIONS UNDER TSCA - LISTED IN CAS-NUMBERED SEQUENCE

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62-53-3	III-11	75-86-5	III-85	84-65-1	III-12
67-72-1	III-58	76-01-7	II-12	84-69-5	III-6
70-30-4	III-84	76-14-2	I-4	84-74-2	III-7
71-55-6	III-89	76-15-3	I-4	84-75-3	III-7
71-55-6	III-89	77-47-4	III-58	84-76-4	III-7
71-55-6	III-89	77-58-7	III-3	84-78-6	III-7
72-57-1	III-19	77-83-8	III-46	85-22-3	III-72
74-87-3	III-35	78-30-8	III-13	85-22-3	III-72
74-97-5	I-3	78-32-0	III-13	85-68-7	III-17
75-02-5	III-45	78-33-1	III-13	85-68-7	III-17
75-02-5	III-92	78-59-1	III-63	85-69-8	III-16
75-05-8	III-3	78-83-1	III-85	85-70-1	III-7
75-09-2	III-39	78-87-5	III-40	85-70-1	III-28
75-09-2	III-39	78-87-5	III-40	85-70-1	III-58
75-12-7	III-41	78-93-3	III-69	86-74-8	III-29
75-21-8	III-4	78-99-9	III-85	87-10-5	III-82
75-38-7	III-45	79-06-1	III-3	87-61-6	III-16
75-38-7	III-92	79-94-1	III-66	87-61-6	III-88
75-45-6	I-3	79-94-7	III-80	87-61-6	III-88
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A. CHEMICALS SUBJECT TO SPECIFIC PROPOSED AND FINAL REGULATIONS UNDER TSCA - LISTED IN CAS-NUMBERED SEQUENCE

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88-74-4	III-9	95-50-1	III-31	98-09-9	III-17
88-74-4	III-11	95-50-1	III-38	98-51-1	III-28
89-13-4	III-7	95-50-1	III-88	98-56-6	III-34
89-63-4	III-9	95-63-6	III-89	98-73-7	III-28
89-63-4	III-11	95-51-2	III-9	98-82-8	III-37
90-13-1	III-32	95-51-2	III-11	98-82-8	III-37
90-13-1	III-33	95-54-5	III-73	98-95-3	III-70
90-37-7	III-66	95-54-5	III-74	99-09-2	III-9
91-58-7	III-32	95-63-6	III-43	99-09-2	III-11
91-92-9	III-19	95-63-6	III-89	99-28-5	III-82
91-96-3	III-19	95-70-5	III-74	99-29-6	III-9
92-52-4	III-18	95-77-2	III-82	99-30-9	III-9
92-52-4	III-18	95-76-1	III-9	99-30-9	III-11
93-72-1	III-84	95-76-1	III-11	99-56-9	III-74
93-76-5	III-84	95-80-7	III-74	100-01-6	III-9
94-75-7	III-80	95-82-9	III-9	100-01-6	III-11
94-82-6	III-80	95-82-9	III-11	101-14-4	II-11
95-47-6	III-92	95-83-0	III-74	101-30-5	II-9
95-48-7	III-35	95-94-3	III-16	101-77-9	II-11
95-48-7	III-36	95-94-3	III-30	101-77-9	III-69
95-48-7	III-36	95-94-3	III-30	101-90-6	III-52
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106-44-5	III-36	108-42-9	III-11	108-94-1	III-38
106-46-7	III-16	108-05-4	III-92	108-98-5	III-17
106-46-7	III-30	108-88-3	III-68	108-99-6	III-70
106-46-7	III-30	108-10-1	III-69	109-06-8	III-70
106-46-7	III-38	108-31-6	III-64	109-77-3	III-85
106-47-8	III-10	108-38-3	III-92	109-86-4	II-9
106-47-8	III-11	108-39-4	III-35	110-75-8	III-42
106-49-0	III-16	108-39-4	III-36	110-49-6	II-9
106-50-3	III-73	108-42-9	III-10	110-82-7	III-37
106-50-3	III-73	108-42-9	III-11	110-82-7	III-78
106-51-4	III-86	108-45-2	III-73	110-86-1	III-86
106-51-4	III-87	108-45-2	III-75	111-15-9	II-9
106-88-7	III-4	108-67-8	III-43	111-21-7	III-42
106-89-8	III-57	108-67-8	III-90	111-40-0	III-41
106-90-1	III-46	108-70-3	III-16	111-40-0	III-41
106-90-1	III-57	108-70-3	III-31	111-40-0	III-41
106-91-2	III-46	108-70-3	III-68	111-40-0	III-41
106-91-2	III-57	108-71-4	III-74	111-91-1	III-42
106-92-3	III-52	108-88-3	III-87	112-34-5	III-40
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A. CHEMICALS SUBJECT TO SPECIFIC PROPOSED AND FINAL REGULATIONS UNDER TSCA - LISTED IN CAS-NUMBERED SEQUENCE

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112-90-3	III-71	122-60-1	III-52	140-66-9	III-87
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115-28-6	III-58	122-99-6	III-72	141-79-7	III-64
115-86-6	III-13	123-31-9	III-60	141-79-7	III-65
115-86-6	III-14	123-31-9	III-60	141-79-7	III-65
116-14-3	III-45	123-31-9	III-61	141-85-5	III-10
116-15-4	III-95	123-31-9	III-63	142-28-9	III-85
117-81-7	III-7	124-17-4	III-27	142-84-7	III-85
117-84-0	III-7	124-17-4	III-27	143-22-6	II-66
118-75-2	III-80	126-72-7	III-90	147-82-0	III-10
118-79-6	III-80	126-73-8	III-78	149-30-4	III-64
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119-07-3	III-7	126-80-7	III-52	149-57-5	III-43
120-36-5	III-82	126-99-8	III-27	149-57-5	III-43
120-82-1	III-16	128-39-2	III-37	320-72-9	III-82
120-82-1	III-30	128-39-2	III-78	328-84-7	III-38
120-82-1	III-30	131-11-3	III-7	328-84-7	III-38
120-82-1	III-88	131-15-7	III-8	353-59-3	I-3
120-82-1	III-88	136-25-4	III-84	357-57-3	III-42
120-83-2	III-80	136-78-7	III-84	359-11-5	III-45
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496-72-0	III-75	608-27-5	III-10	634-93-5	III-11
526-73-8	III-89	608-27-5	III-11	635-22-3	III-10
526-73-8	III-43	608-93-5	III-16	635-22-3	III-11
541-69-5	III-75	608-93-5	III-30	646-06-0	III-42
541-70-8	III-75	608-93-5	III-32	646-06-0	III-42
541-73-1	III-16	609-71-9	III-83	677-21-4	III-45
541-73-1	III-31	611-14-3	III-72	677-21-4	III-58
541-73-1	III-38	614-94-8	III-75	680-31-9	I-5
541-69-5	III-75	615-05-4	III-75	692-42-2	III-13
554-00-7	III-10	615-28-1	III-75	696-28-6	III-13
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556-52-5	III-46	615-46-3	III-75	823-40-5	III-75
556-67-2	III-71	615-56-7	III-83	827-94-1	III-11
556-67-2	III-71	616-23-9	III-85	930-22-3	III-4
558-30-5	III-5	620-14-4	III-65	930-37-0	III-46
563-04-2	III-13	622-96-8	III-43	930-37-0	III-52
563-54-2	III-85	622-96-8	II-72	933-75-5	III-83
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1330-78-5	III-13	1817-73-18	III-11	2425-01-6	III-47
1330-78-5	III-13	1825-30-5	III-32	2425-01-6	III-53
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1332-21-4	III-15	1888-71-7	III-85	2425-79-8	III-53
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2763-96-4	III-63	3531-19-9	III-15	5388-62-5	III-10
2855-19-8	III-4	3567-65-5	III-23	5493-45-8	III-48
2855-19-8	III-6	3568-29-4	III-53	5493-45-8	III-57
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3101-60-8	III-47	4016-11-9	III-48	6283-25-6	III-11
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7328-97-4	III-54	1464-53-5	III-5	25085-99-8	III-49
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