

3745-100-01

**Definitions.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of this rule entitled "Referenced materials."]

Terms defined in sections 313(b)(1)(C) and 329 of Title III, Emergency Planning and Community Right-to-Know Act, of the Superfund Amendments and Reauthorization Act of 1986, and not explicitly defined herein are used within the meaning given in Title III. For the purpose of this chapter:

(A) "Act" means Title III, Emergency Planning and Community Right-to-Know Act, of the Superfund Amendments and Reauthorization Act of 1986, contained in 42 USC sections 11001 to 11050.

(B) "Article" means a manufactured item which conforms to the following:

(1) Is formed to a specific shape or design during manufacture;

(2) Has end-use functions dependent in whole or part upon its shape or design during end use; ~~and,~~

(3) Does not release a toxic chemical under normal conditions of processing or use of that item at the facility or establishment.

(C) "Beneficiation" means the preparation of ores to regulate the size (including crushing and grinding) of the product, to remove unwanted constituents, or to improve the quality, purity, or grade of a desired product.

(D) "Boiler" means an enclosed device using controlled flame combustion and having either of the following characteristics:

(1) The unit shall conform to the following:

(a) ~~The unit must have~~ Have physical provisions for recovering and exporting thermal energy in the form of steam, heated fluids, or heated gases; ~~and,~~

(b) The unit's combustion chamber and primary energy recovery ~~section(s)~~ must section shall be of integral design. To be of integral design, the combustion chamber and the primary energy recovery ~~section(s)~~ section (such as waterwalls and superheaters) ~~must~~ shall be physically formed into one manufactured or assembled unit. A unit in which the combustion chamber and the primary energy recovery ~~section(s)~~ section

are joined only by ducts or connections carrying flue gas is not integrally designed; however, secondary energy recovery equipment (such as economizers or air preheaters) need not be physically formed into the same unit as the combustion chamber and the primary energy recovery section. The following units are not precluded from being boilers solely because they are not integral design: process heaters (units that transfer energy directly to a process stream), and fluidized bed combustion units;~~and,~~

- (c) While in operation, the unit ~~must~~shall maintain a thermal energy recovery efficiency of at least sixty per cent, calculated in terms of the recovered energy compared with the thermal value of the fuel;~~and,~~
  - (d) The unit ~~must~~shall export and utilize at least seventy-five per cent of the recovered energy, calculated on an annual basis. In this calculation, no credit shall be given for recovered heat used internally in the same unit. (Examples of internal use are the preheating of fuel or combustion air, and the driving of induced or forced draft fans or feedwater pumps);~~or,~~
- (2) The unit is one which the director has determined, on a case-by-case basis, to be a boiler, after considering the standards in 40 CFR 260.32.
- (E) "Coal extraction" means the physical removal or exposure of ore, coal, minerals, waste rock, or overburden prior to beneficiation, and encompasses all extraction-related activities prior to beneficiation. Extraction does not include beneficiation (including coal preparation), mineral processing, in situ leaching or any further activities.
  - (F) "Customs territory of the United States" means the fifty states, the District of Columbia and Puerto Rico.
  - (G) "Disposal" means any underground injection, placement in landfills/surface impoundments, land treatment, or other international land disposal.
  - (H) "Establishment" means an economic unit, generally at a single physical location, where business is conducted or where services or industrial operations are performed.
  - (I) "Facility" means all buildings, equipment, structures and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (or by any person who controls, is controlled by, or under common control with such person). A facility may contain more than one

establishment.

- (J) "Full-time employee" means two thousand hours per year of full-time equivalent employment. A facility would calculate the number of full-time employees by totaling the hours worked during the calendar year by all employees, including contract employees, and dividing that total by two thousand hours.
- (K) "Import" means to cause a chemical to be imported into the customs territory of the United States. For purposes of this definition, "to cause" means to intend that the chemical be imported and to control the identity of the imported chemical and the amount to be imported.
- (L) "Industrial furnace" means any of the following enclosed devices that are integral components of manufacturing processes and that use thermal treatment to accomplish recovery of materials or energy:
- (1) Cement kilns.
  - (2) Lime kilns.
  - (3) Aggregate kilns.
  - (4) Phosphate kilns.
  - (5) Coke ovens.
  - (6) Blast furnaces.
  - (7) Smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, reverberator furnaces, sintering machines, roasters, and foundry furnaces).
  - (8) Titanium dioxide chloride process oxidation reactors.
  - (9) Methane reforming furnaces.
  - (10) Pulping liquor recovery furnaces.
  - (11) Combustion devices used in the recovery of sulfur values from spent sulfuric acid.

- (12) Halogen acid furnaces (HAFS) for the production of acid from halogenated hazardous waste generated by chemical production facilities where the furnace is located on the site of a chemical production facility, the acid product has a halogen acid content of at least three percent, the acid product is used in a manufacturing process, and, except for hazardous waste burned as fuel, hazardous waste fed to the furnace has a minimum halogen content of twenty per cent as-generated.
- (13) Such other devices as the director may, after notice and comment, add to this list on the basis of one or more of the following ~~factors~~:
- (a) The design and use of the device primarily to accomplish recovery of material products;
  - (b) The use of the device to burn or reduce raw materials to make a material product;
  - (c) The use of the device to burn or reduce secondary materials as effective substitutes for raw materials, in processes using raw materials as principal feedstocks;
  - (d) The use of the device to burn or reduce secondary materials as ingredients in an industrial process to make a material product;
  - (e) The use of the device in common industrial practice to produce a material product; ~~and~~
  - (f) Other factors, as appropriate.
- (M) "Manufacture" means to produce, prepare, import or compound a toxic chemical. Manufacture also applies to a toxic chemical that is produced coincidentally during the manufacture, processing, use or disposal of another chemical or mixture of chemicals, including a toxic chemical that is separated from other chemicals or mixture of chemicals as a byproduct, and a toxic chemical that remains in that other chemical or mixture of chemicals as an impurity.
- (N) "Mixture" means any combination of two or more chemicals if the combination is not, in whole or in part, the result of a chemical reaction. However, if the combination was produced by a chemical reaction, but could have been produced without a chemical reaction, the combination is also treated as a mixture. A mixture also includes any combination which consists of a chemical and associated

impurities.

(O) "NAICS" means North American industrial classification system.

(P) "Ohio EPA" means the Ohio environmental protection agency.

(Q) "Otherwise use" or "use" means any use of a toxic chemical, including a toxic chemical contained in a mixture or other trade name product or waste, that is not covered by the terms "manufacture" or "process". Otherwise use of a toxic chemical does not include disposal, stabilization (without subsequent distribution in commerce), or treatment for destruction unless either of the following is true:

- (1) The toxic chemical that was disposed, stabilized, or treated for destruction was received from off-site for the purposes of further waste management; ~~or~~
- (2) The toxic chemical that was disposed, stabilized, or treated for destruction was manufactured as a result of waste management activities on materials received from off-site for the purposes of further waste management activities.

Relabeling or redistributing a container of a toxic chemical where no repackaging of the toxic chemical occurs does not constitute use or processing of the toxic chemical.

(R) "Overburden" means the unconsolidated material that overlies a deposit of useful materials or ores. Overburden does not include any portion of ore or waste rock.

(S) "Previously classified" means properly classified according to paragraph (B) of rule 3745-100-05 of the Administrative Code under a given SIC code, as identified in the "Standard Industrial Classification Manual."

(T) "Process" means the preparation of a toxic chemical, after its manufacture, for distribution in commerce that conforms to either of the following:

- (1) In the same form or physical state as, or in a different form or physical state from, that in which it was received by the person so preparing such substance; ~~or~~
- (2) As part of an article containing the toxic chemical. Process also applies to the processing of a toxic chemical contained in a mixture or trade name product.

- (U) "RCRA approved test method" includes SW-846 method 9095A ("Paint Filter Liquids Test") contained in "SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods."
- (V) "Release" means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment (including the abandonment or discarding of barrels, containers and other closed receptacles) of any toxic chemical.
- (W) "Senior management official" means an official with management responsibility for the person or persons completing the report, or the manager of environmental programs for the facility or establishment, or for the corporation owning or operating the facility or establishment responsible for certifying similar reports under other environmental regulatory requirements.
- (X) "SIC" means standard industrial classification.
- (Y) "Technically qualified individual" means a person or persons who fulfills the following:
- (1) Because of education, training or experience, or a combination of these factors, is capable of understanding the health and environmental risks associated with the chemical substance which is used under his or her supervision;
  - (2) Is responsible for enforcing appropriate methods of conducting scientific experimentation, analysis, or chemical research to minimize such risks; ~~and~~
  - (3) Is responsible for the safety assessments and clearances related to the procurement, storage, use and disposal of the chemical substance as may be appropriate or required within the scope of conducting a research and development activity.
- (Z) "Title III" means Title III, Emergency Planning and Community Right-to-Know Act, of the Superfund Amendments and Reauthorization Act of 1986, contained in 42 USC sections 11001 to 11050.
- (AA) "Toxic chemical" means a chemical or chemical category listed in rule 3745-100-10 of the Administrative Code.
- (BB) "Trade name product" means a chemical or mixture of chemicals that is distributed to other persons and that incorporate a toxic chemical component that is not

identified by the applicable chemical name or "Chemical Abstracts Service" registry number listed in rule 3745-100-10 of the Administrative Code.

- (CC) "Treatment for destruction" means the destruction of a toxic chemical in waste such that the substance is no longer the toxic chemical subject to reporting under Section 313 of the Emergency Planning and Community Right-to Know Act of 1986. Treatment for destruction does not include the destruction of a toxic chemical in waste where the toxic chemical has a heat value greater than five thousand British thermal units and is combusted in any device that is an industrial furnace or boiler.
- (DD) "USEPA" means the United States environmental protection agency.
- (EE) "Waste stabilization" means any physical or chemical process used to either reduce the mobility of hazardous constituents in a hazardous waste or eliminate free liquid as determined by a Resource Conservation and Recovery Act approved test method for evaluating solid waste as defined in this section. A waste stabilization process includes mixing the hazardous waste with binders or other materials, and curing the resulting hazardous waste and binder mixture. Other synonymous terms used to refer to this process are "stabilization," "waste fixation," or "waste solidification."
- (FF) Referenced materials. This chapter includes references to certain matter or materials. The text of the referenced materials is not included in the rules contained in this chapter. Information on the availability of the referenced materials as well as the date of, ~~and/or~~ the particular edition or version of the material is included in this rule. For material subject to change, only the specific versions specified in this rule are referenced. Material is referenced as it exists on the effective date of this rule. Except for subsequent annual publication of existing (unmodified) Code of Federal Regulation compilations, any amendment or revision to a referenced document is not applicable unless and until this rule has been amended to specify the new dates.
- (1) Availability. The referenced materials are available as follows:
- (a) Chemical abstract service (CAS). Information can be obtained by writing to: "Chemical Abstract Service, 2540 Olentangy River Road, Columbus, OH 43202," or by visiting their web site at [www.cas.org](http://www.cas.org).
  - (b) Code of Federal Regulations. Information and copies may be obtained by writing to: "Superintendent of Documents, Attention: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the CFR is also available in electronic format at <http://www.gpo.gov/fdsys/>. The CFR compilations are also available for inspection and ~~copying~~ copying at most public libraries and "The State Library of Ohio."

- (c) Consumer Product Safety Act. Information and copies may be obtained by writing to: "U.S. Consumer Product Safety Commission, Washington, D.C. 20207-0001." Or electronically at <http://www.cpsc.gov/businfo/cpsatext.html>. A copy of the Act is also available for inspection and copying at most public libraries and "The State Library of Ohio."
- (d) Dunn and Bradstreet. Information may be obtained by contacting: The D&B Corporation, 103 JFK Parkway, Short Hills, NJ 07078; or by calling their customer service number at 1-800-234-3467 or by visiting the web site at <http://www.dnb.com/us/>.
- (e) Emergency Planning and Community Right-to-Know Act of 1986. Information and copies may be obtained by writing to: "Superintendent of Documents, Attention: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the Act is also available in electronic format at <http://www4.law.cornell.edu/uscode/42/ch116.html> [www.gpo.gov/fdsys/](http://www.gpo.gov/fdsys/). The act is also available for inspection and copying at most public libraries and "The State Library of Ohio."
- (f) Resource Conservation and Recovery Act. Information and copies may be obtained by writing to: "Superintendent of Documents, Attn: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the act is also available in electronic format at <http://www4.law.cornell.edu/uscode/42/ch82.html> [www.gpo.gov/fdsys/](http://www.gpo.gov/fdsys/). A copy of the act is also available for inspection and copying at most public libraries and "The State Library of Ohio."
- (g) Restatement of Torts, Sec. 757, comment B, 1939. Available for inspection and copying at most public libraries and "The State Library of Ohio."
- (h) Standard industrial classification manual (SICM). Information and copies may be ordered by writing to: "U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia, 22161." or by calling 1-800-553-6847. A copy of the manual is also available for inspection and copying at most public libraries and "The State Library of Ohio."
- (i) Superfund Amendments and Reauthorization Act of 1986. Information and copies may be obtained by writing to: "Superintendent of Documents,

Attention: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the act is also available in electronic format at <http://www4.law.cornell.edu/uscode/42/ch103.html> [www.gpo.gov/fdsys/](http://www.gpo.gov/fdsys/). The act is also available for inspection and copying at most public libraries and "The State Library of Ohio."

- (j) SW-846 method 9095A as contained in "SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Information and copies may be obtained by writing to: "Superintendent of Documents, Attn: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." These documents are also available in electronic format at <http://www.epa.gov/epaoswer/hazwaste/test/main.htm>. SW-846 methods are also available for inspection and copying at most public libraries and "the State library of Ohio."

- (k) United States Code. Information and copies may be obtained by writing to: "Superintendent of Documents, Attn: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the United States Code is also available in electronic format at <http://www4.law.cornell.edu/uscode/> [www.gpo.gov/fdsys/](http://www.gpo.gov/fdsys/). The U.S.C. compilations are also available for inspection and copying at most public libraries and "The State Library of Ohio."

- (l) USEPA Form R (EPA Form 9350-1) Form R schedule 1, and Form A. The most current version of USEPA Form R (EPA Form 9350-1), Form R schedule 1, and Form A may be found on the following USEPA program web site: <http://www.epa.gov/tri>. Any subsequent changes to the Form R, Form R Schedule 1, or Form A will be posted on this web site. Submitters may also contact the TRI program at (202) 564-9554 to obtain this information.

(2) Incorporated materials.

- (a) 15 USC 2051 to 2084: "Consumer Product Safety Act," Public Law 92-573, 86 Stat. 1207, Oct. 27, 1972.
- (b) 29 CFR 1910.1200; "Hazard communication;" 59 FR 6170, Feb 9, 1994, as amended at 59 FR 17479, Apr. 13 1994; 59 FR 65948, Dec. 22, 1994; 61 FR 9245, Mar. 7. 1996; 77 FR 17785, Mar. 26, 2012; 78 FR 9313, Feb. 8, 2013.
- (c) 40 CFR 260.32; "Variances to be classified as a boiler;" 50 FR 662, Jan. 4, 1985, as amended at 59 FR 48041, Sept. 19, 1994.

- (d) 40 CFR 350.7; "Substantiating claims of trade secrecy;" 53 FR 28801, July 29, 1988.
- (e) 40 CFR 350.16; "Address to send trade secrecy claims and petitions requesting disclosure;" 68 FR 64724, Nov. 14, 2003.
- (f) 40 CFR 372; "Toxic Chemical Release Reporting: Community Right-to-Know;" 53 FR 4525, Feb. 16, 1988, as amended at ~~53 FR 12748~~55 FR 30656, Apr. 18, 1990; ~~53 FR 12748~~55 FR 30656, July 26, 1990; 53 FR 12748, Apr. 18, 1988; 53 FR 4525, Feb. 16, 1988, as amended at 73 FR 32470, June 9, 2008; 55 FR 30656, July 26, 1990; 56 FR 29185, June 26, 1991; 59 FR 61501, Nov. 30, 1994; 59 FR 61502, Nov. 30, 1994; 62 FR 23891, May 1, 1997; 62 FR 23892, May 1, 1997; 64 FR 58750, Oct. 29, 1999; 64 FR 58751, Oct. 29, 1999; 64 FR 58753, Oct. 29, 1999; ~~66 FR 4527, Jan. 17, 2001~~; 66 FR 4500, January 17, 2001; 70 FR 37698, June 30, 2005; 70 FR 39931, July 12, 2005; 72 FR 26545, May 10, 2007; 73 FR 76960, December 18, 2008; 74 FR 19001, April 27, 2009; 75 FR 72727, November 26, 2010; 77 FR 23418, April 19, 2012; 78 FR 42875, July 18, 2013; 78 FR 52860, August 27, 2013; 78 FR 66484, November 7, 2013; 79 FR 58686, September 30, 2014; 80 FR 72906, November 23, 2015.
- (g) 40 CFR 372.27; "Alternate thresholds and certifications;" 59 FR 61502, Nov. 30, 1994, as amended at ~~64 FR 58750, Oct. 29, 1999~~70 FR 39949, July 12, 2005; 71 FR 32477, June 6, 2006; 71 FR 76944~~76945~~, Dec. 22, 2006; 74 FR 19006, April 27, 2009.
- (h) 40 CFR 372.85; "Toxic Chemical Release Reporting form and instructions;" 56 FR 29186, June 26, 1991, as amended at 64 FR 58753, Oct. 29, 1999; 70 FR 39949, July 12, 2005; 71 FR 32477, June 6, 2006; 72 FR 26553, May 10, 2007; 78 FR 52867, August 27, 2013.
- (i) 42 USC 11001 to 11050; "Title III of the Superfund Amendments and Reauthorization Act of 1986; Contained in 42 USC 11001 to 11050; published January 6, 2003 in Supplement II of the 2000 edition of the United States Code; Pub. L. 99-499, Title III, Section 301-330, October 17, 1986, 100 Stat. 1729-1758.
- (j) "Consumer Product Safety Act;" Public Law 92-573, 86 Stat. 1207, Oct. 27, 1972.
- (k) Resource Conservation and Recovery Act; Subtitle C, contained in 42

USC Section 6921 to 6939e, "Hazardous Waste Management;" Pub. L. 89-272, title II, Sec. 3001, as added Pub. L. 94-580, Sec. 2, Oct. 21, 1976, 90 Stat. 2806; amended Pub. L. 96-482, Sec. 7, Oct. 21, 1980, 94 Stat. 2336; Pub. L. 98-616, title II, Secs. 221(a), 222, 223(a), Nov. 8, 1984, 98 Stat. 3248, 3251, 3252; Pub. L. 104-119, Sec. 4(1), Mar. 26, 1996, 110 Stat. 833.

- (l) "Restatement of Torts, Sec. 757, comment B, 1939."
- (m) Section 313 of the Emergency Planning and Community Right-to-Know Act; "Toxic chemical release forms;" contained in 42 USC 11023 and 11048; published January 3, 2005 in Supplement IV of the 2000 edition of the United States Code; Pub. L. 99-499, title III, Sec. 313, Oct. 17, 1986, 100 Stat. 1741.
- (n) Section 329 of the Emergency Planning and Community Right-to-Know Act; contained in 42 USC 11049; "Definitions;" published January 3, 2005 in Supplement IV of the 2000 edition of the United States Code; Pub. L. 99-499, title III, Sec. 329, Oct. 17, 1986, 100 Stat. 1757.
- (o) Standard industrial classification manual; United States. office of management and budget; last amended 1988.
- (p) SW-846 method 9095A; "Paint filter liquids test;" revision 2, November, 2004.
- (q) Title III of the Superfund Amendments and Reauthorization Act of 1986; contained in 42 USC 11001 to 11050. Published January 3, 2005 in Supplement IV of the 2000 edition of the United States Code; Pub. L.99-499, Title III, Section 301-330, October 17, 1986, 100 Stat.1729-1758.
- (r) USEPA Form A (EPA Form 9350-2); most current form as reviewed and approved by the United States office of management and budget.
- (s) USEPA Form R and USEPA Form R Schedule 1 (EPA Form 9350-1); most current form as reviewed and approved by the United States office of management and budget.

Effective: 02/11/2017

Five Year Review (FYR) Dates: 10/20/2016 and 02/11/2022

CERTIFIED ELECTRONICALLY

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Certification

02/01/2017

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Date

Promulgated Under: 119.03  
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Rule Amplifies: 3751.01  
Prior Effective Dates: 6/22/1989, 5/07/2001, 01/16/2006, 09/25/2008,  
10/25/2011

3745-100-02

**Persons subject to this chapter.**

Owners and operators of facilities described in rules 3745-100-05 and 3745-100-09 of the Administrative Code are subject to ~~the requirements of~~ this chapter. If the owner and operator of a facility are different persons, only one need report under rule 3745-100-07 of the Administrative Code or provide a notice under rule 3745-100-09 of the Administrative Code for each toxic chemical in a mixture or trade name product distributed from the facility. However, if no report is submitted or notice provided, the Ohio EPA will hold both the owner and the operator liable under section 3751.10 of the Revised Code, except as provided in paragraph (E) of rule 3745-100-08 and paragraph (G) of rule 3745-100-09 of the Administrative Code.

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3745-100-03      **Record keeping.**

(A) Each person subject to the reporting requirements of this chapter ~~must~~shall retain the following records for a period of three years from the date of submission of a report under rule 3745-100-07 of the Administrative Code:

- (1) A copy of each report submitted by the person under rule 3745-100-07 of the Administrative Code.
- (2) All supporting materials and documentation used by the person to make the compliance determination that the facility or establishments is a covered facility under rule 3745-100-05 or 3745-100-09 of the Administrative Code.
- (3) Documentation supporting the report submitted under rule 3745-100-07 of the Administrative Code including the following:
  - (a) Documentation supporting any determination that a claimed allowable exemption under rule 3745-100-08 of the Administrative Code applies.
  - (b) Data supporting the determination of whether a threshold under rule 3745-100-06 of the Administrative Code applies for each toxic chemical.
  - (c) Documentation supporting the calculations of the quantity of each toxic chemical released to the environment or transferred to an off-site location.
  - (d) Documentation supporting the use indications and quantity on-site reporting for each toxic chemical, including dates of manufacturing, processing or use.
  - (e) Documentation supporting the basis of estimate used in developing any release or off-site transfer estimates for each toxic chemical.
  - (f) Receipts or manifests associated with the transfer of each toxic chemical in waste to off-site locations.
  - (g) Documentation supporting reported waste treatment methods, estimates of treatment efficiencies, ranges of influent concentrations to such treatment, the sequential nature of treatment steps, if applicable, and the actual operating data, if applicable, to support the waste treatment efficiency estimate for each toxic chemical.

- (B) Each person subject to the notification requirements of this chapter ~~must~~shall retain the following records for a period of three years from the date of the submission of a notification under rule 3745-100-09 of the Administrative Code:
- (1) All supporting materials and documentation used by the person to determine whether a notice is required under rule 3745-100-09 of the Administrative Code.
  - (2) All supporting materials and documentation used in developing each required notice under rule 3745-100-09 of the Administrative Code and a copy of each notice.
- (C) Records retained under this rule ~~must~~shall be maintained at the facility to which the report applies or from which a notification was provided. Such records ~~must~~shall be readily available for purposes of inspection by the Ohio EPA.
- (D) Each owner or operator who determines that the owner operator may apply the alternate threshold as specified under paragraph (A) of rule 3745-100-14 of the Administrative Code ~~must~~shall retain the following records for a period of three years from the date of the submission of the certification statement as required under paragraph (B) of rule 3745-100-14 of the Administrative Code.
- (1) A copy of each certification statement submitted by the person under paragraph (B) of rule 3745-100-14 of the Administrative Code.
  - (2) All supporting materials and documentation used by the person to make the compliance determination that the facility or establishment is eligible to apply the alternate threshold as specified in rule 3745-100-14 of the Administrative Code.
  - (3) Documentation supporting the certification statement submitted under paragraph (B) of rule 3745-100-14 of the Administrative Code including the following:
    - (a) Data supporting the determination of whether the alternate threshold specified under paragraph (A) of rule 3745-100-14 of the Administrative Code applies for each toxic chemical.
    - (b) Documentation supporting the calculation of annual reportable amount, as defined in paragraph (A) of rule 3745-100-14 of the Administrative Code, for each toxic chemical, including documentation supporting the

calculations and the calculations of each data element combined for the annual reportable amount.

- (c) Receipts or manifests associated with the transfer of each chemical in waste to off-site locations.

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3745-100-04            **Compliance and enforcement.**

Violators of ~~the requirements of~~ this chapter shall be liable for a civil penalty in an amount not to exceed twenty-five thousand dollars each day for each violation as provided in section 3751.10 of the Revised Code.

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3745-100-05

**Covered facilities for toxic chemical release reporting.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

A facility that meets all of the following criteria for a calendar year is a covered facility for that calendar year and ~~must~~shall report under rule 3745-100-07 of the Administrative Code:

- (A) The facility has ten or more full-time employees.
  - (B) The facility is in a standard industrial classification (SIC) (as in effect on January 1, 1987) major group or industry code listed in paragraph (A) of rule 3745-100-17 of the Administrative Code for which the corresponding North American industry classification (NAICS) (as in effect on January 1, ~~2007~~2012, for reporting year ~~2008~~2013 and thereafter) subsector and industry codes are listed in paragraphs (B) and (C) of rule 3745-100-17 of the Administrative Code) by virtue of the fact that the facility meets one of the following ~~criteria~~:
- (1) The facility is an establishment with a primary SIC major group or industry code listed in paragraph (A) of rule 3745-100-17 of the Administrative Code, or a primary NAICS subsector or industry code listed in paragraph (B) or (C) of rule 3745-100-17 of the Administrative Code.
  - (2) The facility is a multi-establishment complex where all establishments have primary SIC major group or industry codes listed in paragraph (A) of rule 3745-100-17 of the Administrative Code, or primary NAICS subsector or industry codes listed in paragraph (B) or (C) of rule 3745-100-17 of the Administrative Code.
  - (3) The facility is a multi-establishment complex in which one of the following is true:
    - (a) The sum of the value of services provided ~~and/or~~or products shipped ~~and/or~~or produced from those establishments that have primary SIC major group or industry codes listed in paragraph (A) of rule 3745-100-17 of the Administrative Code, or primary NAICS subsector or industry codes listed in paragraph (B) or (C) of rule 3745-100-17 of the Administrative Code is greater than fifty per cent of the total value of all services provided ~~and/or~~or products shipped from ~~and/or~~or produced by all establishments at the facility.

- (b) One establishment having a primary SIC major group or industry code listed in paragraph (A) of rule 3745-100-17 of the Administrative Code, or a primary NAICS subsector or industry code listed in paragraph (B) or (C) of rule 3745-100-17 of the Administrative Code contributes more in terms of value of services provided ~~and/or~~ products shipped from ~~and/or~~ produced at the facility than any other establishment within the facility.
  
- (c) The facility manufactured (including imported), processed or otherwise used a toxic chemical in excess of an applicable threshold quantity of that chemical as set forth in rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code.

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3745-100-06                    **Thresholds for reporting.**

Except as provided in ~~rule~~ rules 3745-100-14 and ~~rule~~ 3745-100-16 of the Administrative Code, the threshold amounts for purposes of reporting under rule 3745-100-07 of the Administrative Code for toxic chemicals are as follows:

- (A) With respect to a toxic chemical manufactured (including imported) or processed at a facility during the following calendar years:
- (1) 1987 - seventy-five thousand pounds of the chemical manufactured or processed for the year.
  - (2) 1988 - fifty thousand pounds of the chemical manufactured or processed for the year.
  - (3) 1989 and thereafter - twenty-five thousand pounds of the chemical manufactured or processed for the year.
- (B) With respect to a chemical otherwise used at a facility, ten thousand pounds of the chemical used for the applicable calendar year.
- (C) With respect to activities involving a toxic chemical at a facility, when more than one threshold applies to the activities, the owner or operator of the facility ~~must~~shall report if ~~the facility~~ exceeds any applicable threshold and ~~must~~shall report on all activities at the facility involving the chemical, except as provided in rule 3745-100-08 of the Administrative Code.
- (D) When a facility manufactures, processes or otherwise uses more than one member of a chemical category listed in paragraph (C) of rule 3745-100-10 of the Administrative Code, the owner or operator of the facility ~~must~~shall report if ~~the facility~~ exceeds any applicable threshold for the total volume of all the members of the category involved in the applicable activity. Any such report ~~must~~shall cover all activities at the facility involving members of the category.
- (E) A facility may process or otherwise use a toxic chemical in a recycle/reuse operation. To determine whether the facility has processed or used more than an applicable threshold of the chemical, the owner or operator of the facility shall count the amount of the chemical added to the recycle/reuse operation during the calendar year. In particular, if the facility starts up such an operation during a calendar year, or in the event that the contents of the whole recycle/reuse operation are replaced in a calendar year, the owner or operator of the facility shall also count the amount of the chemical placed into the system at these times.
- (F) A toxic chemical may be listed in rule 3745-100-10 of the Administrative Code with

the notation that only persons who manufacture the chemical, or manufacture ~~it~~ the chemical by a certain method, are required to report. In that case, only owners or operators of facilities that manufacture that chemical as described in rule 3745-100-10 of the Administrative Code in excess of the threshold applicable to such manufacture in rules 3745-10-06, 3745-100-14, and 3745-100-16 of the Administrative Code are required to report. In completing the reporting form, the owner or operator is only required to account for the quantity of the chemical so manufactured and releases associated with such manufacturing, but not releases associated with subsequent processing or use of the chemical at that facility. Owners and operators of facilities that solely process or use such a chemical are not required to report for that chemical.

(G) A toxic chemical may be listed in rule 3745-100-10 of the Administrative Code with the notation that ~~it~~the chemical is in a specific form (~~e.g. for example~~, fume or dust, solution, or friable) or of a specific color (~~e.g. for example~~, yellow or white). In that case, only owners or operators of facilities that manufacture, process or use that chemical in the form or of the color specified in rule 3745-100-10 of the Administrative Code, in excess of the threshold applicable to such activity in rules ~~3745-10-06~~3745-100-06, 3745-100-14, and 3745-100-16 of the Administrative Code, are required to report. In completing the reporting form, the owner or operator is only required to account for the quantity of the chemical manufactured, processed or used in the form or color specified in rule 3745-100-10 of the Administrative Code and for releases associated with the chemical in that form or color. Owners or operators of facilities that solely manufacture, process or use such a chemical in a form or color other than those specified by rule 3745-100-10 of the Administrative Code are not required to report for that chemical.

(H) Metal compound categories are listed in paragraph (C) of rule 3745-100-10 of the Administrative Code. For purposes of determining whether any of the thresholds specified in rules ~~3745-10-06~~3745-100-06, 3745-100-14, and 3745-100-16 of the Administrative Code are met for the metal compound category, the owner or operator of a facility ~~must~~shall make the threshold determination based on the total amount of all members of the metal compound category manufactured, processed or used at the facility. In completing the release portion of the reporting form for releases of the metal compounds, the owner or operator is only required to account for the weight of the parent metal released. Any contribution to the mass of the release attributable to other portions of each compound in the category is excluded.

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3745-100-07

**Reporting requirements and schedule for reporting.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

(A) For each toxic chemical known by the owner or operator to be manufactured (including imported), processed or otherwise used in excess of an applicable threshold quantity in rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code at its covered facility described in rule 3745-100-05 of the Administrative Code for a calendar year, the owner or operator shall submit to the EPA a completed "U.S. EPA Form R" (EPA Form 9350-1), EPA Form A (EPA Form 9350-2), and, for the dioxin and dioxin-like compounds category, EPA Form R Schedule 1 (EPA Form 9350-3) in accordance with the instructions in rule 3745-100-11 of the Administrative Code.

(B)

(1) The owner or operator of a covered facility shall report as described in paragraph (A) of this rule on a toxic chemical that the owner or operator knows is present as a component of a mixture or trade name product which the owner or operator receives from another person, if that chemical is imported, processed or otherwise used by the owner or operator in excess of an applicable threshold quantity in rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code at the facility as part of that mixture or trade name product.

(2) The owner or operator knows that a toxic chemical is present as a component of a mixture or trade name product if one of the following is true:

(a) If the owner or operator knows or has been told the chemical identity or "Chemical Abstracts Service" registry number of the chemical and the identity or number corresponds to an identity or number in rule 3745-100-10 of the Administrative Code; ~~or,~~

(b) If the owner or operator has been told by the supplier of the mixture or trade name product that the mixture or trade name product contains a toxic chemical subject to section 313 of the act or this rule.

(3) To determine whether a toxic chemical which is a component of a mixture or trade name product has been imported, processed or otherwise used in excess of an applicable threshold in rule 3745-100-06 of the Administrative Code at the facility, the owner or operator shall consider only the portion of the

mixture or trade name product that consists of the toxic chemical and that is imported, processed or otherwise used at the facility, together with any other amounts of the same toxic chemical that the owner or operator manufacturers, imports, processes or otherwise uses at the facility as follows:

- (a) If the owner or operator knows the specific chemical identity of the toxic chemical and the specific concentration at which it is present in the mixture or trade name product, the owner or operator shall determine the weight of the chemical imported, processed or otherwise used as part of the mixture or trade name product at the facility and shall combine that with the weight of the toxic chemical manufactured (including imported), processed or otherwise used at the facility other than as part of the mixture or trade name product. After combining these amounts, if the owner or operator determines that the toxic chemical was manufactured, processed or otherwise used in excess of an applicable threshold in rule 3745-100-06 of the Administrative Code, the owner or operator shall report the specific chemical identity and all releases of the toxic chemical on "U.S. EPA Form R" in accordance with the instructions specified in rule 3745-100-11 of the Administrative Code.
- (b) If the owner or operator knows the specific chemical identity of the toxic chemical and does not know the specific concentration at which the chemical is present in the mixture or trade name product, but has been told the upper-bound concentration of the chemical in the mixture or trade name product, the owner or operator shall presume that the toxic chemical is present in the mixture or trade name product at the upper-bound concentration, shall determine whether the chemical has been manufactured, processed or otherwise used at the facility in excess of an applicable threshold as provided in paragraph (B)(3)(a) of this rule and shall report as provided in paragraph (B)(3)(a) of this rule.
- (c) If the owner or operator knows the specific chemical identity of the toxic chemical, does not know the specific concentration at which the chemical is present in the mixture or trade name product and has not been told the upper-bound concentration of the chemical in the mixture or trade name product, and has not otherwise developed information on the composition of the chemical in the mixture or trade name product, then the owner or operator is not required to factor that chemical in that mixture or trade name product into threshold and release calculations for that chemical.
- (d) If the owner or operator has been told that a mixture or trade name product contains a toxic chemical, does not know the specific chemical

identity of the chemical and knows the specific concentration at which it is present in the mixture or trade name product, the owner or operator shall determine the weight of the chemical imported, processed or otherwise used as part of the mixture or trade name product at the facility. Since the owner or operator does not know the specific identity of the toxic chemical, the owner or operator shall make the threshold determination only for the weight of the toxic chemical in the mixture or trade name product. If the owner or operator determines that the toxic chemical was imported, processed or otherwise used as part of the mixture or trade name product in excess of an applicable threshold in rule 3745-100-06 of the Administrative Code, the owner or operator shall report the generic chemical name of the toxic chemical, or a trade name if the generic chemical name is not known, and all releases of the toxic chemical on "U.S. EPA Form R" and in accordance with the instructions specified in rule 3745-100-11 of the Administrative Code.

- (e) If the owner or operator has been told that a mixture or trade name product contains a toxic chemical, does not know the specific chemical identity of the chemical, and does not know the specific concentration at which the chemical is present in the mixture or trade name product, but has been told the upper-bound concentration of the chemical in the mixture or trade name product, the owner or operator shall presume that the toxic chemical is present in the mixture or trade name product at the upper-bound concentration, shall determine whether the chemical has been imported, processed or otherwise used at the facility in excess of applicable threshold as provided in paragraph (B)(3)(d) of this rule, and shall report as provided in paragraph (B)(3)(d) of this rule.
  - (f) If the owner or operator has been told that a mixture or trade name product contains a toxic chemical, does not know the specific chemical identity of the chemical, and does not know the specific concentration at which the chemical is present in the mixture or trade name product, including information they have themselves developed, and has not been told the upper-bound concentration of the chemical in the mixture or trade name product, the owner or operator is not required to report with respect to that toxic chemical.
- (C) A covered facility may consist of more than one establishment. The owner or operator of such a facility at which a toxic chemical was manufactured (including imported), processed or otherwise used in excess of an applicable threshold may submit a separate "U.S. EPA Form R" for each establishment or for each group of establishments within the facility to report the activities involving the toxic chemical at each establishment or group of establishments, provided that activities involving that toxic chemical at all the establishments within the covered facility

are reported. If each establishment or group of establishments files separate reports, then for all other chemicals subject to reporting at that facility shall be submitted separately. However, an establishment or group of establishments does not have to submit a report for a chemical that is not manufactured (including imported), processed, or otherwise used or released at that establishment or group of establishments.

- (D) Each report under this rule for activities involving a toxic chemical that occurred during a calendar year at a covered facility shall be submitted on or before July first of the next year. The first such report for calendar year 1988 activities shall be submitted on or before July 1, 1989.

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3745-100-08            **Exemptions.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

- (A) ~~De Minimis~~ De minimis concentrations of a toxic chemical in a mixture. If a toxic chemical is present in a mixture of chemicals at a covered facility, and the toxic chemical is in a concentration in the mixture which is below one per cent of the mixture, or 0.1 per cent of the mixture in the case of a toxic chemical which is a carcinogen as defined in 29 CFR 1910.1200 (d)(4), a person is not required to consider the quantity of the toxic chemical present in such mixture when determining whether an applicable threshold has been met under rule 3745-100-06 of the Administrative Code or determining the amount of release to be reported under rule 3745-100-07 of the Administrative Code. This exemption applies whether the person received the mixture from another person or the person produced the mixture, either by mixing the chemicals involved or by causing a chemical reaction which resulted in the creation of the toxic chemical in the mixture. However, this exemption applies only to the quantity of the toxic chemical present in the mixture. If the toxic chemical is also manufactured (including imported), processed or otherwise used at the covered facility other than as part of the mixture or in a mixture at higher concentrations in excess of an applicable threshold quantity set forth in rule 3745-100-06 of the Administrative Code, the person is required to report under rule 3745-100-07 of the Administrative Code. This exemption does not apply to toxic chemicals listed in rule 3745-100-16 of the Administrative Code, except for purposes of paragraph (D)(1) of rule 3745-100-09 of the Administrative Code.
- (B) Articles. If a toxic chemical is present in an article at a covered facility, a person is not required to consider the quantity of the toxic chemical present in such article when determining whether an applicable threshold has been met under rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code or determining the amount of release to be reported under rule 3745-100-07 of the Administrative Code. This exemption applies whether the person received the article from another person or the person produced the article. However, this exemption applies only to the quantity of the toxic chemical present in the article. If the toxic chemical is manufactured (including imported), processed or otherwise used at the covered facility other than as part of the article in excess of an applicable threshold quantity set forth in rule 3745-100-06 of the Administrative Code, the person is required to report under rule 3745-100-07 of the Administrative Code. Persons potentially subject to this exemption should carefully review the definitions of "article" and "release" in rule 3745-100-01 of the Administrative Code. If a release of a toxic chemical occurs as a result of the processing or use of an item at the facility, that item does not meet the definition of "article."

- (C) Uses. If a toxic chemical is used at a covered facility for a purpose described in paragraphs (C)(1) to (C)(5) of this rule, a person is not required to consider the quantity of the toxic chemical used for such purpose when determining whether an applicable threshold has been met under rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code or determining the amount of releases to be reported under rule 3745-100-07 of the Administrative Code. However, this exemption only applies to the quantity of the toxic chemical used for the purpose described in paragraphs (C)(1) to (C)(5) of this rule. If the toxic chemical is also manufactured (including imported), processed or otherwise used at the covered facility other than as described in paragraphs (C)(1) to (C)(5) of this rule in excess of an applicable threshold quantity set forth in rule 3745-100-06 of the Administrative Code, the person is required to report under rule 3745-100-07 of the Administrative Code. This exemption only applies to the quantity of the toxic chemical for the following purposes:
- (1) Use as a structural component of the facility.
  - (2) Use of products for routine janitorial or facility grounds maintenance. Examples include use of janitorial cleaning supplies, fertilizers and pesticides similar in type or concentration to consumer products.
  - (3) Personal use by employees or other persons at the facility of foods, drugs, cosmetics or other personal items containing toxic chemicals, including supplies of such products within the facility such as in a facility-operated cafeteria, store or infirmary.
  - (4) Use of products containing toxic chemicals for the purpose of maintaining motor vehicles operated by the facility.
  - (5) Use of toxic chemicals present in process water and noncontact cooling water as drawn from the environment or from municipal sources, or toxic chemicals present in air used either as compressed air or as part of combustion.
- (D) Activities in laboratories. If a toxic chemical is manufactured, processed or used in a laboratory at a covered facility under the supervision of a technically qualified individual as defined in paragraph (O) of rule 3745-100-01 of the Administrative Code, a person is not required to consider the quantity so manufactured, processed or used when determining whether an applicable threshold has been met under rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code or determining the amount of release to be reported under rule 3745-100-07 of the Administrative Code. This exemption does not apply in the following cases:

- (1) Specialty chemical production.
  - (2) Manufacture, processing or use of toxic chemicals in pilot plant scale operations.
  - (3) Activities conducted outside the laboratory.
- (E) Certain owners of leased property. The owner of a covered facility is not subject to reporting under rule 3745-100-07 of the Administrative Code if such owner's only interest in the facility is ownership of the real estate upon which the facility is operated. This exemption applies to owners of facilities such as industrial parks, all or part of which are leased to persons who operate establishments ~~within SIC codes 20 through 39~~ in any SIC code or NAICS code in rule 3745-100-17 that are subject to the requirements of this part, where the owner has no other business interest in the operation of the covered facility.
- (F) Reporting by certain operators of establishments on leased property such as industrial parks. If two or more persons, who do not have any common corporate or business interest (including common ownership or control), operate separate establishments within a single facility, each such person shall treat the establishments ~~that person~~ operates as a facility for purposes of this rule. The determinations in rules 3745-100-05 and 3745-100-06 of the Administrative Code shall be made for those establishments. If any such operator determines that ~~the~~ the establishment is a covered facility under rule 3745-100-05 of the Administrative Code and that a toxic chemical has been manufactured (including imported), processed or otherwise used at the establishment in excess of an applicable threshold in rule 3745-100-06 of the Administrative Code for a calendar year, the operator shall submit a report in accordance with rule 3745-100-07 of the Administrative Code for the establishment. For purposes of this, a common corporate or business interest includes ownership, partnership, joint ventures, ownership of a controlling interest in one person by the other, or ownership of a controlling interest in both persons by a third person.
- (G) Coal extraction activities. If a toxic chemical is manufactured, processed, or otherwise used in extraction by facilities in SIC code 12, or in NAICS codes 212111, 212112 or 212113, a person is not required to consider the quantity of the toxic chemical so manufactured, processed, or otherwise used when determining whether an applicable threshold has been met under rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code, or determining the amounts to be reported under rule 3745-100-07 of the Administrative Code.
- (H) Metal mining overburden. If a toxic chemical that is a constituent of overburden is

processed or otherwise used by facilities in SIC code 10, or in NAICS codes 212221, 212222, 212231, 212234 or 212299, a person is not required to consider the quantity of the toxic chemical so processed, or otherwise used when determining whether an applicable threshold has been met under rule 3745-100-06, 3745-100-14, or 3745-100-16 of the Administrative Code, or determining the amounts to be reported under rule 3745-100-07 of the Administrative Code.

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3745-100-09

**Notification about toxic chemicals.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

(A) Except as provided in paragraphs (C), (D) and (E) of this rule, and rule 3745-100-10 of the Administrative Code, a person shall notify each person to whom the mixture or trade name product is sold or otherwise distributed from the facility or establishment in accordance with paragraph (B) of this rule ~~who~~if the person owns or operates a facility or establishment which meets the following:

- (1) Is in SIC codes 20 to 39 or a NAICS code that corresponds to SIC codes 20 to 39, as set forth in paragraph (B) of rule 3745-100-17 of the Administrative Code;
- (2) Manufacturers (including imports) or processes a toxic chemical;~~and,~~
- (3) Sells or otherwise distributes a mixture or trade name product containing the toxic chemical to a facility described in rule 3745-100-05 of the Administrative Code, or to a person who in turn may sell or otherwise distribute such mixture or trade name product to a facility described in paragraph (B) of rule 3745-100-05 of the Administrative Code.

~~Shall notify each person to whom the mixture or trade name product is sold or otherwise distributed from the facility or establishment in accordance with paragraph (B) of this rule.~~

(B) The notification required in paragraph (A) of this rule shall be in writing and shall include the following:

- (1) A statement that the mixture or trade name product contains a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
- (2) The name of each toxic chemical, and the associated CAS number of each chemical, if applicable, as set forth in rule 3745-100-10 of the Administrative Code.
- (3) The per cent by weight of each toxic chemical in the mixture or trade name product.

(C) Notification under this rule shall be provided as follows:

- (1) For a mixture or trade name product containing a toxic chemical listed in rule 3745-100-10 of the Administrative Code with an effective date of January 1, 1987, the person shall provide the written notice described in paragraph (B) of this rule to each recipient of the mixture or trade name product with a least the first shipment of each mixture or trade name product to each recipient in each calendar year, beginning January 1, 1989.
- (2) For a mixture or trade name product containing a toxic chemical listed in rule 3745-100-10 of the Administrative Code with an effective date of January 1, 1989 or later, the person shall provide the written notice described in paragraph (B) of this rule to each recipient of the mixture or trade name product with at least the first shipment of the mixture or trade name product to each recipient in each calendar year beginning with the applicable effective date.
- (3) If a person changes a mixture or trade name product for which notification was previously provided under paragraph (B) of this rule by adding a toxic chemical, removing a toxic chemical, or changing the per cent by weight of a toxic chemical in the mixture or trade name product, the person shall provide each recipient of the changed mixture or trade name product a revised notification reflecting the change with the first shipment of the changed mixture or trade name product to the recipient.
- (4) If a person discovers that a mixture or trade name product previously sold or otherwise distributed to another person during the calendar year of the discovery contains one or more toxic chemicals and that any notification provided to such other person in that calendar year for the mixture or trade name product either did not properly identify any of the toxic chemicals or did not accurately present the per cent by weight of any of the toxic chemicals in the mixture or trade name product, the person shall provide a new notification to the recipient within thirty days of the discovery which contains the information described in paragraph (B) of this rule, and identifies the prior shipments of the mixture or product in that calendar year to which the new notification applies.
- (5) If a "Material Safety Data Sheet" is required to be prepared and distributed for the mixture or trade name product in accordance with 29 CFR 1910.1200, the notification ~~must~~shall be attached to or otherwise incorporated into such "Material Safety Data Sheet." When the notification is attached to the "Material Safety Data Sheet," the notice ~~must~~shall contain clear instructions that the notification must not be detached from the "Material Safety Data

Sheet" and that any copying and redistribution of the "Material Safety Data Sheet" shall include copying and redistribution of the notice attached to copies of the "Material Safety Data Sheet" subsequently redistributed.

(D) Notifications are not required in the following instances:

- (1) If a mixture or trade name product contains no toxic chemical in excess of the applicable de minimis concentration as specified in paragraph (A) of rule 3745-100-08 of the Administrative Code.
  - (2) If a mixture or trade name product is ~~one~~one of the following:
    - (a) An "article" as defined in rule 3745-100-01 of the Administrative Code.
    - (b) Foods, drugs, cosmetics, alcoholic beverages, tobacco or tobacco products packaged for distribution to the general public.
    - (c) Any consumer product, as the term is defined in the Consumer Product Safety Act contained in 15 USC 2051 to 2084, packaged for distribution to the general public.
- (E) If the person considers the specific identity of a toxic chemical in a mixture or trade name product to be a trade secret under provisions of 29 CFR 1910.1200, the notice shall contain a generic chemical name that is descriptive of that toxic chemical.
- (F) If the person considers the specific per cent by weight composition of a toxic chemical in the mixture or trade name product to be a trade secret under applicable state law or under the "Restatement of Torts," section 757, comment B, the notice ~~must~~shall contain a statement that the chemical is present at a concentration that does not exceed a specified upper-bound concentration value: for example, a mixture contains twelve per cent of a toxic chemical. However, the supplier considers the specific concentration of the toxic chemical in the product to be a trade secret. The notice would indicate that the toxic chemical is present in the mixture in a concentration of no more than fifteen per cent by weight. The upper-bound value chosen ~~must~~shall be no larger than necessary to adequately protect the trade secret.
- (G) A person is not subject to the requirements of this rule to the extent the person does not know that the facility or establishment is selling or otherwise distributing a toxic chemical to another person in a mixture or trade name product. However, for purposes of this rule, a person has such knowledge if the person receives a notice under this rule from a supplier of a mixture or trade name product and the person in

turn sells or otherwise distributes that mixture or trade name product to another person.

- (H) If two or more persons who do not have any common corporate or business interest (including common ownership or control), as described in paragraph (F) of rule 3745-100-08 of the Administrative Code, operate separate establishments within a single facility, each such person shall treat the establishment each person operates as a facility for purposes of this rule. The determination under paragraph (A) of this rule shall be made for those establishments.

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3745-100-10

**Applicable chemicals and chemical categories.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

The requirements of this chapter apply to the following chemicals and chemical categories. This rule contains three listings. Paragraph (A) of this rule is an alphabetical order listing of those chemicals that have an associated "Chemical Abstracts Service (CAS)" registry number. Paragraph (B) of this rule contains a CAS registry number order list of the same chemicals listed in paragraph (A) of this rule. Paragraph (C) of this rule contains the chemical categories for which reporting is required. These chemical categories are listed in alphabetical order and do not have CAS registry numbers.

## (A) Alphabetical listing:

Chemical Name	CAS Number
abamectin (avermectin B1)	71751-41-2
acephate (acetylphosphoramidothioic acid o,s-dimethyl ester)	30560-19-1
acetaldehyde	75-07-0
acetamide	60-35-5
acetonitrile	75-05-8
acetophenone	98-86-2
2-acetylaminofluorene	53-96-3
<del>acifluorfen, sodium salt (5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt)</del> <u>acifluorfen, sodium salt [5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]</u>	62476-59-9
acrolein	107-02-8
acrylamide	79-06-1
acrylic acid	79-10-7
acrylonitrile	107-13-1
alachlor	15972-60-8
aldicarb	116-06-3

<del>aldrin [1,4,5,8-dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4A,5,8,8a-hexahydro-(1-alpha, 4-alpha, 4a-beta, 5-alpha, 8-alpha, 8A-beta)]</del> <u>aldrin[1,4:5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta.,5.alpha., 8.alpha., 8a.beta.)-]</u>	309-00-2
d-trans-allethrin [d-trans-chrysanthemic acid of d-allethronone]	28057-48-9
allyl alcohol	107-18-6
allylamine	107-11-9
allyl chloride	107-05-1
aluminum (fume or dust)	7429-90-5
<del>aluminum phosphide</del>	<del>20859-73-8</del>
aluminum oxide (fibrous forms)	1344-28-1
<u>aluminum phosphide</u>	<u>20859-73-8</u>
<del>ametryn (n-ethyl-n'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)</del> <u>ametryn (n-ethyl-n-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)</u>	834-12-8
2-aminoanthraquinone	117-79-3
4-aminoazobenzene	60-09-3
4-aminobiphenyl	92-67-1
1-amino-2,4-dibromoanthraquinone	81-49-2
1-amino-2-methylantraquinone	82-28-0
amitraz	33089-61-1
amitrole	61-82-5
ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; "ten" percent of total aqueous ammonia is reportable under this listing)	7664-41-7
ammonium nitrate (solution)	6484-52-2
anilazine [4,6-dichloro-n-(2-chlorophenyl)-1,3,5-triazin-2-amine]	101-05-3

aniline	62-53-3
o-anisidine	90-04-0
p-anisidine	104-94-9
o-anisidine hydrochloride	134-29-2
anthracene	120-12-7
antimony	7440-36-0
arsenic	7440-38-2
asbestos (friable)	1332-21-4
atrazine (6-chloro-n-ethyl-n'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)	1912-24-9
barium	7440-39-3
bendiocarb [2,2-dimethyl-1,3-benzodioxol-4-ol methylcarbamate]	22781-23-3
benfluralin (n-butyl-n-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine) <u>Benfluralin</u> (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)	1861-40-1
benomyl	17804-35-2
benzal chloride	98-87-3
benzamide	55-21-0
benz(a)anthracene	56-55-3
benzene	71-43-2
benzidine	92-87-5
benzo(b)fluoranthene	205-99-2
benzo(g,h,i)perylene	191-24-2
benzo(j)fluoranthene	205-82-3
benzo(k)fluoranthene	207-08-9
benzoic trichloride (benzotrichloride)	98-07-7
benzo(rst)pentaphene	189-55-9

benzo(a)phenanthrene	218-01-9
benzo(a)pyrene	50-32-8
benzoyl chloride	98-88-4
benzoyl peroxide	94-36-0
benzyl chloride	100-44-7
beryllium	7440-41-7
bifenthrin	82657-04-3
biphenyl	92-52-4
2,2-bis(bromomethyl)-1,3-propanediol	3296-90-0
bis (2-chloroethoxy) methane	111-91-1
bis (2-chloroethyl) ether	111-44-4
bis (chloromethyl) ether	542-88-1
bis (2-chloro-1-methylethyl) ether	108-60-1
1,4-bis (methylisocyanate) cyclohexane	10347-54-3
1,3-bis (methylisocyanate) cyclohexane	38661-72-2
bis (tributyltin) oxide	56-35-9
boron trichloride	10294-34-5
boron trifluoride	7637-07-2
bromacil (5-bromo-6-methyl-3-(1-methylpropyl)-2,4-(1h,3h)-pyrimidinedione) <u>Bromacil</u> (5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidinedione)	314-40-9
<u>bromacil, lithium salt (2,4-(1h,3h)-pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt)</u> <u>Bromacil, lithium salt [2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]</u>	53404-19-6
bromine	7726-95-6
1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile	35691-65-7

bromochlorodifluoromethane (halon 1211)	353-59-3
bromoform (tribromomethane)	75-25-2
bromomethane (methyl bromide)	74-83-9
<u>1-bromopropane</u>	<u>106-94-5</u>
bromotrifluoromethane (halon 1301)	75-63-8
bromoxynil (3,5-dibromo-4-hydroxybenzotrile)	1689-84-5
bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester)	1689-99-2
brucine	357-57-3
1,3-butadiene	106-99-0
butyl acrylate	141-32-2
n-butyl alcohol	71-36-3
sec-butyl alcohol	78-92-2
tert-butyl alcohol	75-65-0
1,2-butylene oxide	106-88-7
butyraldehyde	123-72-8
C.I. Acid Green 3	4680-78-8
C.I. Acid Red 114	6459-94-5
C.I. Basic Green 4	569-64-2
C.I. Basic Red 1	989-38-8
C.I. Direct Black 38	1937-37-7
C.I. Direct Blue 6	2602-46-2
C.I. Direct Blue 218	28407-37-6
C.I. Direct Brown 95	16071-86-6
C.I. Disperse Yellow 3	2832-40-8
C.I. Food Red 5	3761-53-3

C.I. Food Red 15	81-88-9
C.I. Solvent Orange 7	3118-97-6
C.I. Solvent Yellow 3	97-56-3
C.I. Solvent Yellow 14	842-07-9
C.I. Solvent Yellow 34 (auramine)	492-80-8
C.I. Vat Yellow 4	128-66-5
cadmium	7440-43-9
calcium cyanamide	156-62-7
<del>captan [1h isoindole-1,3(2h) dione, 3a,4,7,7a tetrahydro-2- [(trichloromethyl)thio]-]</del> <u>Captan [1H-Isoindole-1,3(2H)-dione,3a,4,7, 7a-tetrahydro-2-[(trichloromethyl)thio]-]</u>	133-06-2
carbaryl (1-naphthalenol, methylcarbamate)	63-25-2
carbofuran	1563-66-2
carbon disulfide	75-15-0
carbon tetrachloride	56-23-5
carbonyl sulfide	463-58-1
carboxin (5,6-dihydro-2-methyl-n-phenyl-1,4-oxathiin-3-carboxamide)	5234-68-4
catechol	120-80-9
chinomethionat (6-methyl-1,3-dithiolo [4,5-b] quinoxalin-2-one)	2439-01-2
<del>chloramben (benzoic acid, 3-amino-2,5-dichloro-)</del> <u>Chloramben [Benzoic acid,3-amino-2,5-dichloro-]</u>	133-90-4
<del>chlordan (4,7-methanoindan, 1,2,4,5,6,7,8,8-octachloro- 2,3,3a,4,7,7a-hexahydro-)</del> <u>Chlordane [4,7-Methanoindan,1,2,4,5,6,7,8,8-octachloro-2,3,3a, 4,7,7a-hexahydro-]</u>	57-74-9
chlorendic acid	115-28-6
<del>chlorimuron ethyl (ethyl 2-[[[(4-chloro-6-methoxyprimidin-2-yl)- carbonyl]-amino]sulfonyl]benzoate)</del> <u>Chlorimuron ethyl</u>	90982-32-4

<u>[Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)-carbonyl]-amino]sulfonyl]benzoate]</u>	
chlorine	7782-50-5
chlorine dioxide	10049-04-4
chloroacetic acid	79-11-8
2-chloroacetophenone	532-27-4
1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	4080-31-3
p-chloroaniline	106-47-8
chlorobenzene	108-90-7
<del>chlorobenzilate (benzeneacetic acid,4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester)</del> <u>Chlorobenzilate [Benzeneacetic acid, 4-chloro-.alpha.-(4-.chlorophenyl)-.alpha.-hydroxy-, ethyl ester]</u>	510-15-6
1-chloro-1,1-difluoroethane (HCFC-142b)	75-68-3
chlorodifluoromethane (HCFC-22)	75-45-6
chloroethane (ethyl chloride)	75-00-3
chloroform	67-66-3
chloromethane (methyl chloride)	74-87-3
chloromethyl methyl ether	107-30-2
3-chloro-2-methyl-1-propene	563-47-3
p-chlorophenyl isocyanate	104-12-1
chloropicrin	76-06-2
chloroprene	126-99-8
3-chloropropionitrile	542-76-7
chlorotetrafluoroethane	63938-10-3
1-chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	354-25-6
2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	2837-89-0
chlorothalonil (1,3-benzenedicarbonitrile,2,4,5,6-tetrachloro-)	1897-45-6

p-chloro-o-toluidine	95-69-2
2-chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7
chlorotrifluoromethane (CFC-13)	75-72-9
3-chloro-1,1,1-trifluoropropane (HCFC-253fb)	460-35-5
<del>chlorpyrifos methyl (o,o-dimethyl-o-(3,5,6-trichloro-2-pyridyl)phosphorothioate)</del> <u>Chlorpyrifos methyl</u> <u>[O,O-dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]</u>	5598-13-0
<del>chlorsulfuron (2-chloro-n-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide)</del> <u>Chlorsulfuron</u> <u>[2-chloro-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide]</u>	64902-72-3
chromium	7440-47-3
cobalt	7440-48-4
copper	7440-50-8
creosote	8001-58-9
p-cresidine	120-71-8
m-cresol	108-39-4
o-cresol	95-48-7
p-cresol	106-44-5
cresol (mixed isomers)	1319-77-3
crotonaldehyde	4170-30-3
cumene	98-82-8
cumene hydroperoxide	80-15-9
cupferron (benzeneamine, N-hydroxy-N-nitroso, ammonium salt)	135-20-6
cyanazine	21725-46-2
cycloate	1134-23-2
cyclohexane	110-82-7

cyclohexanol	108-93-0
<del>cyfluthrin (3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester)</del> <u>Cyfluthrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester]</u>	68359-37-5
<del>cyhalothrin (3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl)methyl ester)</del> <u>Cyhalothrin [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl)methyl ester]</u>	68085-85-8
2,4-D (acetic acid, (2,4-dichlorophenoxy)-)	94-75-7
dazomet (tetrahydro-3,5-dimethyl-2h-1,3,5-thiadiazine-2-thione)	533-74-4
dazomet, sodium salt (tetrahydro-3,5-dimethyl-2h-1,3,5-thiadiazine-2-thione, ion(1-), sodium)	53404-60-7
2,4-DB	94-82-6
2,4-D butoxyethyl ester	1929-73-3
2,4-D butyl ester	94-80-4
2,4-D chlorocrotyl ester	2971-38-2
decabromodiphenyl oxide	1163-19-5
desmedipham	13684-56-5
2,4-D 2-ethylhexyl ester	1928-43-4
2,4-D 2-ethyl-4-methylpentyl ester	53404-37-8
<del>diallate (carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester)</del> <u>Diallate [Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester]</u>	2303-16-4
2,4-diaminoanisole	615-05-4
2,4-diaminoanisole sulfate	39156-41-7
4,4-diaminodiphenyl ether	101-80-4
diaminotoluene (mixed isomers)	25376-45-8

2,4-diaminotoluene	95-80-7
diazinon	333-41-5
diazomethane	334-88-3
dibenz(a,h)acridine	226-36-8
dibenz(a,j)acridine	224-42-0
dibenzo(a,h)anthracene	53-70-3
7h-dibenzo(e,g)carbazole	194-59-2
dibenzo(a,e)fluoranthene	5385-75-1
dibenzofuran	132-64-9
dibenzo(a,e)pyrene	192-65-4
dibenzo(a,h)pyrene	189-64-0
dibenzo(a,l)pyrene	191-30-0
1,2-dibromo-3-chloropropane (DBCP)	96-12-8
1,2-dibromoethane (ethylene dibromide)	106-93-4
2,2-dibromo-3-nitrilopropionamide	10222-01-2
dibromotetrafluoroethane (halon 2402)	124-73-2
dibutyl phthalate	84-74-2
dicamba (3,6-dichloro-2-methoxybenzoic acid)	1918-00-9
dichloran (2,6-dichloro-4-nitroaniline)	99-30-9
dichlorobenzene (mixed isomers)	25321-22-6
1,2-dichlorobenzene	95-50-1
1,3-dichlorobenzene	541-73-1
1,4-dichlorobenzene	106-46-7
3,3-dichlorobenzidine	91-94-1
3,3'-dichlorobenzidine dihydrochloride	612-83-9

3,3'-dichlorobenzidine sulfate	64969-34-2
dichlorobromomethane	75-27-4
trans-1,4-dichloro-2-butene	110-57-6
1,4-dichloro-2-butene	764-41-0
1,2-dichloro-1,1-difluoroethane (HCFC-132b)	1649-08-7
dichlorofluoromethane (CFC-12)	75-71-8
1,2-dichloroethane (ethylene dichloride)	107-06-2
1,2-dichloroethylene	540-59-0
1,1-dichloro-1-fluoroethane (HCFC-141b)	1717-00-6
dichlorofluoromethane (HCFC-21)	75-43-4
dichloromethane (methylene chloride)	75-09-2
dichloropentafluoropropane	127564-92-5
1,1-dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	<u>13474-88-9</u>
1,1-dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	<u>111512-56-2</u>
1,2-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	<u>422-44-6</u>
1,2-dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	<u>431-86-7</u>
1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	<u>507-55-1</u>
1,3-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	<u>136013-79-1</u>
2,2-dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	<u>128903-21-9</u>
2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)	422-48-0
3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0
2,2-dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	128903-21-9
2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)	422-48-0
1,2-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	422-44-6
3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0

1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225eb)	507-55-1
1,1-dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225ee)	13474-88-9
1,2-dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	431-86-7
1,3-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	136013-79-1
1,1-dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	111512-56-2
dichlorophene (2,2'-methylenebis(4-chlorophenol))	97-23-4
2,4-dichlorophenol	120-83-2
1,2-dichloropropane	78-87-5
2,3-dichloropropene	78-88-6
trans-1,3-dichloropropene	10061-02-6
1,3-dichloropropylene	542-75-6
dichlorotetrafluoroethane (CFC-114)	76-14-2
dichlorotrifluoroethane	34077-87-7
<u>dichloro-1,1,2-trifluoroethane</u>	<u>90454-18-5</u>
1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)	<u>812-04-4</u>
1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	<u>354-23-4</u>
2,2-dichloro-1,1,1-trifluoroethane (HCFC-123)	306-83-2
1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	354-23-4
dichloro-1,1,2-trifluoroethane	90454-18-5
1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)	812-04-4
dichlorvos (phosphoric acid, 2,2-dichloroethenyl dimethyl ester) Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	62-73-7
diclofop methyl (2-[4-(2,4-dichlorophenoxy)phenoxy]propanoic acid, methyl ester) Diclofop methyl [2-[4-(2,4-Dichlorophenoxy)phenoxy]propanoic acid, methyl ester]	51338-27-3
dieofol (benzenemethanol, 4-chloro-alpha-(4-chlorophenyl)-alpha-	115-32-2

(trichloromethyl)-) Dicofol [Benzenemethanol,4-chloro-.alpha.-(4-chlorophenyl)-.alpha.- (trichloromethyl)-]	
dicyclopentadiene	77-73-6
diepoxybutane	1464-53-5
diethanolamine	111-42-2
diethyl ethyl	38727-55-8
diethyldiisocyanatobenzene	<del>134190-37-7</del>
di (2-ethylhexyl) phthalate (DEHP)	117-81-7
diethyl sulfate	64-67-5
diflubenzuron	35367-38-5
diglycidyl resorcinol ether	101-90-6
<del>dihydrosafrole</del>	<del>94-58-6</del>
4,4'-diisocyanatodiphenyl ether	4128-73-8
2,4'-diisocyanatodiphenyl sulfide	75790-87-3
dimethipin (2,3,-dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide)	55290-64-7
dimethoate	60-51-5
<u>dihydrosafrole</u>	<u>94-58-6</u>
3,3-dimethoxybenzidine	119-90-4
3,3'-dimethoxybenzidine dihydrochloride (o-dianisidine dihydrochloride)	20325-40-0
<del>3,3'-dimethoxybenzidine-4,4'-diisocyanate</del>	<del>91-93-0</del>
3,3'-dimethoxybenzidine hydrochloride (o-dianisidine hydrochloride)	111984-09-9
dimethylamine	124-40-3
dimethylamine dicamba	2300-66-5
4-dimethylaminoazobenzene	60-11-7
n,n-dimethylaniline	121-69-7

7,12-dimethylbenz(a)anthracene	57-97-6
3,3'-dimethylbenzidine (o-tolidine)	119-93-7
3,3'-dimethylbenzidine dihydrochloride (o-tolidine dihydrochloride)	612-82-8
3,3'-dimethylbenzidine dihydrofluoride (o-tolidine dihydrofluoride)	41766-75-0
dimethylcarbamyl chloride	79-44-7
dimethyl chlorothiophosphate	2524-03-0
dimethyldichlorosilane	75-78-5
<del>3,3' dimethyl 4,4' diphenylene diisocyanate</del>	91-97-4
<del>3,3' dimethyldiphenylmethane 4,4' diisocyanate</del>	139-25-3
n,n-dimethylformamide	68-12-2
1,1-dimethyl hydrazine	57-14-7
2,4-dimethylphenol	105-67-9
dimethyl phthalate	131-11-3
dimethyl sulfate	77-78-1
m-dinitrobenzene	99-65-0
o-dinitrobenzene	528-29-0
p-dinitrobenzene	100-25-4
dinitrobutyl phenol (DINOSEB)	88-85-7
4,6-dinitro-o-cresol	534-52-1
2,4-dinitrophenol	51-28-5
2,4-dinitrotoluene	121-14-2
2,6-dinitrotoluene	606-20-2
dinitrotoluene (mixed isomers)	25321-14-6
dinocap	39300-45-3
1,4-dioxane	123-91-1

diphenamid	957-51-7
diphenylamine	122-39-4
1,2-diphenylhydrazine (hydrazobenzene)	122-66-7
dipotassium endothall (7-oxabicyclo (2.2.1) heptane-2,3-dicarboxylic acid, dipotassium salt)	2164-07-0
dipropyl isocinchomeronate	136-45-8
disodium cyanodithioimidocarbonate	138-93-2
2,4-D isopropyl ester	94-11-1
2,4-dithiobiuret	541-53-7
diuron	330-54-1
dodine (dodecylguanidine monoacetate)	2439-10-3
2,4-dp	120-36-5
2,4-D propylene glycol butyl ether ester	1320-18-9
2,4-D sodium salt	2702-72-9
epichlorohydrin	106-89-8
ethoprop (phosphorodithioic acid o-ethyl s,s-dipropyl ester)	13194-48-4
2-ethoxyethanol	110-80-5
ethyl acrylate	140-88-5
ethylbenzene	100-41-4
ethyl chloroformate	541-41-3
ethyl dipropylthiocarbamate (EPTC)	759-94-4
ethylene	74-85-1
ethylene glycol	107-21-1
ethyleneimine (aziridine)	151-56-4
ethylene oxide	75-21-8
ethylene thiourea	96-45-7

ethylidene dichloride	75-34-3
famphur	52-85-7
fenarimol (alpha-(2-chlorophenyl)-alpha-4-chlorophenyl)-5-pyrimidinemethanol)fenarimol [.alpha.-(2-chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidinemethanol]	60168-88-9
fenbutatin oxide (hexakis(2-methyl-2-phenylpropyl)distannoxane)fenbutatin oxide (hexakis(2-methyl-2-phenyl-propyl)distannoxane)	13356-08-6
fenoxaprop ethyl (2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester)fenoxaprop ethyl [2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid,ethyl ester]	66441-23-4
fenoxycarb (2-(4-phenoxyphenoxy)ethylcarbamic acid ethyl ester)fenoxycarb [2-(4-phenoxyphenoxy)ethyl]carbamic acid ethyl ester]	72490-01-8
fenpropathrin (2,2,3,3-tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester)fenpropathrin [2,2,3,3-tetramethylcyclopropane carboxylic acid cyano(3-phenoxy-phenyl)methyl ester]	39515-41-8
fenthion (o,o-dimethyl o-[3-methyl-4-(methylthio)phenyl]ester, phosphorothioic acid)fenthion [o,o-dimethyl o-[3-methyl-4-(methylthio)phenyl]ester, phosphorothioic acid]	55-38-9
fenvalerate (4-chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester)fenvalerate [4-chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester]	51630-58-1
ferbam (tris(dimethylcarbamo-dithioato-s,s')iron)ferbam [tris(dimethylcarbamo-dithioato-s,s')iron]	14484-64-1
fluazifop butyl (2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester)fluazifop-butyl [2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-phenoxy]propanoic acid, butyl ester]	69806-50-4
fluometuron (urea, N,N-dimethyl N-(3-(trifluoromethyl)phenyl)-)fluometuron [urea, n,n-dimethyl-n'-[3-(trifluoromethyl)phenyl]-]	2164-17-2

fluorine	7782-41-4
fluorouracil (5-fluorouracil)	51-21-8
<u>fluvalinate (n-[2-chloro-4-(trifluoromethyl)phenyl]-dl-valine(+)-cyano (3-phenoxyphenyl) methyl ester)</u> <u>fluvalinate [n-[2-chloro-4-(trifluoromethyl)phenyl]-dl-valine(+)-cyano (3-phenoxyphenyl)methyl ester]</u>	69409-94-5
folpet	133-07-3
<u>fomesafen (5-(2-chloro-4-(trifluoromethyl)phenoxy)-n-methylsulfonyl)-2-nitrobenzamide)</u> <u>fomesafen [5-(2-chloro-4-(trifluoromethyl)phenoxy)-n-methylsulfonyl]-2-nitrobenzamide]</u>	72178-02-0
formaldehyde	50-00-0
formic acid	64-18-6
freon 113 (ethane, 1,1,2-trichloro-1,2,2,-trifluoro-)	76-13-1
furan	110-00-9
glycidol	556-52-5
heptachlor (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene)	76-44-8
hexachlorobenzene	118-74-1
hexachloro-1,3-butadiene	87-68-3
hexachlorocyclopentadiene	77-47-4
alpha-hexachlorocyclohexane	319-84-6
hexachloroethane	67-72-1
hexachloronaphthalene	1335-87-1
hexachlorophene	70-30-4
<del>hexamethylene-1,6-diisocyanate</del>	822-06-0
hexamethylphosphoramide	680-31-9
n-hexane	110-54-3

hexazinone	51235-04-2
<del>hydramethylnon (tetrahydro-5,5-dimethyl-2-(1h)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone)</del> <u>hydramethylnon [tetrahydro-5,5-dimethyl-2-(1h)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone]</u>	67485-29-4
hydrazine	302-01-2
hydrazine sulfate	10034-93-2
hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne species of any particle size)	7647-01-0
hydrogen cyanide	74-90-8
hydrogen fluoride	7664-39-3
hydrogen sulfide	7783-06-4
hydroquinone	123-31-9
imazalil (1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1h-imidazole)	35554-44-0
indeno[1,2,3-CD] pyrene	493-39-5
3-iodo-2-propynyl butylcarbamate	55406-53-6
iron pentacarbonyl	13463-40-6
isobutyraldehyde	78-84-2
isodrin	465-73-6
<del>isofenphos (2-[[ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester)</del> <u>isofenphos [2-[[ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]</u>	25311-71-1
isoprene	78-79-5
isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	67-63-0
4,4-isopropylidenediphenol	80-05-7

isosafrole	120-58-1
<del>lactofen (benzoic acid, (5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-methyl-2-oxoethyl ester)</del> lactofen [5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-methyl-2-oxoethyl ester]	77501-63-4
lead	7439-92-1
<del>lindane (cyclohexane, 1,2,3,4,5,6-hexachloro-, (1-alpha,2-alpha,3-beta,4-alpha,5-alpha,6-beta)-)</del> lindane [cyclohexane, 1,2,3,4,5,6-hexachloro-(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-]	58-89-9
linuron	330-55-2
lithium carbonate	554-13-2
malathion	121-75-5
maleic anhydride	108-31-6
malononitrile	109-77-3
maneb (carbamodithioic acid, 1,2-ethanediylbis-, manganese complex)	12427-38-2
manganese	7439-96-5
mecoprop	93-65-2
2-mercaptobenzothiazole (MBT)	149-30-4
mercury	7439-97-6
merphos	150-50-5
methacrylonitrile	126-98-7
metham sodium (sodium methylthiocarbamate)	137-42-8
methanol	67-56-1
<del>methazole (2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione)</del> methazole [2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]	20354-26-1
methiocarb	2032-65-7

methoxone ((4-chloro-2-methylphenoxy) acetic acid) (MCPA)	94-74-6
methoxone sodium salt ((4-chloro-2-methylphenoxy) acetate sodium salt)	3653-48-3
methoxychlor (benzene, 1,1-(2,2,2-trichloro-ethylidene)bis(4-methoxy-))	72-43-5
2-methoxyethanol	109-86-4
methyl acrylate	96-33-3
methyl tert-butyl ether	1634-04-4
methyl chlorocarbonate	79-22-1
5-methylchrysene	3697-24-3
4-methyldiphenylmethane 3,4-diisocyanate	75790-84-0
4,4-methylenebis(2-chloroaniline) (MBOCA)	101-14-4
4,4-methylenebis(N,N-dimethyl)benzenamine	101-61-1
1,1-methylene bis (4-isocyanatocyclohexane)	5124-30-1
methylene bromide	74-95-3
4,4-methylenedianiline	101-77-9
methyleugenol	93-15-2
methyl hydrazine	60-34-4
methyl iodide	74-88-4
methyl isobutyl ketone	108-10-1
methyl isocyanate	624-83-9
methyl isothiocyanate (isothiocyanatomethane)	556-61-6
2-methylactonitrile	75-86-5
methyl mercaptan	74-93-1
methyl methacrylate	80-62-6
n-methylolacrylamide	924-42-5

methyl parathion	298-00-0
2-methylpyridine	109-06-8
n-methyl-2-pyrrolidone	872-50-4
methyltrichlorosilane	75-79-6
metiram	9006-42-2
metribuzin	21087-64-9
mevinphos	7786-34-7
michler's ketone	90-94-8
molinate (1h-azepine-1-carbothioic acid, hexahydro-s-ethyl ester)	2212-67-1
molybdenum trioxide	1313-27-5
monochloropentafluoroethane (CFC-115)	76-15-3
monuron	150-68-5
mustard gas (ethane, 1,1-thiobis(2-chloro-))	505-60-2
<del>myclobutanil (alpha-butyl-alpha-(4-chlorophenyl)-1h-1,2,4-triazole-1-propanenitrile)</del> <del>myclobutanil [alpha.-butyl-.alpha.-(4-chlorophenyl)-1h-1,2,4-triazole-1-propanenitrile]</del>	88671-89-0
nabam	142-59-6
naled	300-76-5
naphthalene	91-20-3
<del>1,5-naphthalene diisocyanate</del>	<del>3173-72-6</del>
alpha-naphthylamine	134-32-7
beta-naphthylamine	91-59-8
nickel	7440-02-0
nitrapyrin (2-chloro-6-(trichloromethyl) pyridine)	1929-82-4
nitrate compounds (water dissociable; reportable only when in aqueous solution)	

nitric acid	7697-37-2
nitrilotriacetic acid	139-13-9
5-nitro-o-anisidine	99-59-2
5-nitro-o-toluidine	99-55-8
p-nitroaniline	100-01-6
o-nitroanisole	91-23-6
nitrobenzene	98-95-3
4-nitrobiphenyl	92-93-3
<del>nitrofen (benzene, 2,4-dichloro-1-(4-nitrophenoxy)-)</del> <u>nitrofen</u> [benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]	1836-75-5
<del>nitrogen mustard (2-chloro-n-(2-chloroethyl)-n-methylethanamine)</del> <u>nitrogen mustard</u> [2-chloro-n-(2-chloroethyl)-n-methylethanamine]	51-75-2
nitroglycerin	55-63-0
nitromethane	75-52-5
2-nitrophenol	88-75-5
4-nitrophenol	100-02-7
2-nitropropane	79-46-9
<del>1-nitropyrene</del>	<del>5522-43-0</del>
p-nitrosodiphenylamine	156-10-5
N,N-dimethylaniline	121-69-7
N-nitrosodi-n-butylamine	924-16-3
N-nitrosodiethylamine	55-18-5
N-nitrosodimethylamine	62-75-9
N-nitrosodiphenylamine	86-30-6
N-nitrosodi-n-propylamine	621-64-7
N-nitrosomethylvinylamine	4549-40-0

N-nitrosomorpholine	59-89-2
N-nitroso-N-ethylurea	759-73-9
N-nitroso-N-methylurea	684-93-5
N-nitrosornicotine	16543-55-8
N-nitrosopiperidine	100-75-4
<u>o-nitrotoluene</u>	<u>88-72-2</u>
5-nitro-o-toluidine	99-55-8
<del>norflurazon (4-chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2h)-pyridazinone)</del> <del>norflurazon [4-chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2h)-pyridazinone]</del>	27314-13-2
octachloronaphthalene	2234-13-1
octachlorostyrene	29082-74-4
oryzalin (4-(dipropylamino)-3,5-dinitrobenzenesulfonamide)	19044-88-3
osmium tetroxide	20816-12-0
<del>oxydemeton methyl (s-(2-(ethylsulfinyl)ethyl) o,o-dimethyl ester phosphorothioic acid)</del> <del>oxydemeton methyl [s-(2-(ethylsulfinyl)ethyl) o,o-dimethyl ester phosphorothioic acid]</del>	301-12-2
<del>oxydiazon (3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3h)-one)</del> <del>oxydiazon [3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3h)-one]</del>	19666-30-9
oxyfluorfen	42874-03-3
ozone	10028-15-6
paraldehyde	123-63-7
paraquat dichloride	1910-42-5
parathion (phosphorothioic acid, o,o-diethyl-o-(4-nitrophenyl) ester)	56-38-2
pebulate (butylethylcarbamoithioic acid s-propyl ester)	1114-71-2
pendimethalin (n-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine)	40487-42-1

pentachloroethane	76-01-7
pentachlorophenol (PCP)	87-86-5
pentachlorobenzene	608-93-5
pentobarbital sodium	57-33-0
peracetic acid	79-21-0
perchloromethyl mercaptan	594-42-3
<u>permethrin (3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxyphenyl)methyl ester)</u> <u>permethrin [3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, (3-phenoxyphenyl)methyl ester]</u>	52645-53-1
phenanthrene	85-01-8
phenol	108-95-2
phenolphthalein	77-09-8
<u>phenothrin (2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester)</u> <u>phenothrin [2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]</u>	26002-80-2
1,2-phenylenediamine	95-54-5
1,3-phenylenediamine	108-45-2
p-phenylenediamine	106-50-3
1,2-phenylenediamine dihydrochloride	615-28-1
1,4-phenylenediamine dihydrochloride	624-18-0
<del>1,3-phenylene diisocyanate</del>	<del>423-61-5</del>
<del>1,4-phenylene diisocyanate</del>	<del>404-49-4</del>
2-phenylphenol	90-43-7
phenytoin	57-41-0
phosgene	75-44-5

phosphine	7803-51-2
phosphorus (yellow or white)	7723-14-0
phthalic anhydride	85-44-9
picloram	1918-02-1
picric acid	88-89-1
piperonyl butoxide	51-03-6
<del>pirimiphos methyl (o-(2-(diethylamino)-6-methyl-4-pyrimidinyl)-o,o-dimethyl phosphorothioate)</del> <u>pirimiphos methyl[o-(2-(diethylamino)-6-methyl-4-pyrimidinyl)-o,o-dimethylphosphorothioate]</u>	29232-93-7
polychlorinated biphenyls (PCB's)	1336-36-3
polymeric diphenylmethane diisocyanate	9016-87-9
potassium bromate	7758-01-2
potassium dimethyldithiocarbamate	128-03-0
potassium n-methyldithiocarbamate	137-41-7
<del>profenofos (o-(4-bromo-2-chlorophenyl)-o-ethyl-s-propylphosphorothioate)</del> <u>profenofos [o-(4-bromo-2-chlorophenyl)-o-ethyl-s-propyl phosphorothioate]</u>	41198-08-7
<del>prometryn (n,n'-bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine)</del> <u>prometryn [n,n'-bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]</u>	7287-19-6
pronamide	23950-58-5
propachlor (2-chloro-n-(1-methylethyl)-n-phenylacetamide)	1918-16-7
propane sultone	1120-71-4
<del>propanil (n-(3,4-dichlorophenyl)propanamide)</del> <u>propanil [n-(3,4-dichlorophenyl)propanamide]</u>	709-98-8
propargite	2312-35-8
propargyl alcohol	107-19-7
<del>propetamphos (3-[(ethylamino)methoxyphosphinothioyl]oxy]</del>	31218-83-4

<u>-2-butenoic acid, 1-methylethyl ester)propetamphos</u> <u>[3-[(ethylamino)methoxyphosphinothioyl]oxy]-2-butenoic acid,</u> <u>1-methylethyl ester]</u>	
<u>propiconazole (1-[2-(2,4-dichlorophenyl)-4-propyl-1,</u> <u>3-dioxolan-2-yl]-methyl-1h-1,2,4-triazole)propiconazole</u> <u>[1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-</u> <u>methyl-1h-1,2,4-triazole]</u>	60207-90-1
beta-propiolactone	57-57-8
propionaldehyde	123-38-6
propoxur (phenol, 2-(1-methylethoxy)-, methylcarbamate)	114-26-1
propylene (propene)	115-07-1
propyleneimine	75-55-8
propylene oxide	75-56-9
pyridine	110-86-1
quinoline	91-22-5
quinone	106-51-4
quintozene (pentachloronitrobenzene)	82-68-8
<u>quizalofop-ethyl (2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]</u> <u>propanoic acid ethyl ester)quizalofop-ethyl</u> <u>[2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]propanoic acid ethyl</u> <u>ester]</u>	76578-14-8
<u>resmethrin ([5-(phenylmethyl)-3-furanyl]methyl-2,</u> <u>2-dimethyl-3-(2-methyl-1-propenyl)</u> <u>cyclopropanecarboxylate)resmethrin</u> <u>[[5-(phenylmethyl)-3-furanyl]methyl</u> <u>2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]]</u>	10453-86-8
<u>saccharin (only persons who manufacture are subject, no supplier</u> <u>notification) (1,2-benzisothiazol-3(2H)-one,1,1-dioxide)saccharin</u> <u>(only persons who manufacture are subject, no supplier notification)</u> <u>[1,2-benzisothiazol-3(2h)-one,1,1-dioxide]</u>	81-07-2
safrole	94-59-7
selenium	7782-49-2

<u>sethoxydim (2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one)</u> <u>sethoxydim [2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one]</u>	74051-80-2
silver	7440-22-4
simazine	122-34-9
sodium azide	26628-22-8
sodium dicamba (3,6-dichloro-2-methoxybenzoic acid, sodium salt)	1982-69-0
sodium dimethyldithiocarbamate	128-04-1
sodium fluoroacetate	62-74-8
sodium nitrite	7632-00-0
sodium pentachlorophenate	131-52-2
sodium o-phenylphenoxide	132-27-4
strychnine and salts	
styrene	100-42-5
styrene oxide	96-09-3
sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne species of any particle size)	7664-93-9
sulfuryl fluoride (vikane)	2699-79-8
<u>sulprofos (o-ethyl o-[4-(methylthio)phenyl]phosphorodithioic acid s-propyl ester)</u> <u>sulprofos [o-ethyl o-[4-(methylthio)phenyl]phosphorodithioic acid s-propyl ester]</u>	35400-43-2
<u>tebuthiuron (n-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-n,n'-dimethylurea)</u> <u>tebuthiuron [n-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-n,n'-dimethylurea]</u>	34014-18-1
temephos	3383-96-8
<u>terbacil (5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1h,3h)-pyrimidinedione)</u> <u>terbacil [5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1h,3h)-pyrimidinedione]</u>	5902-51-2
1,1,1,2-tetrachloroethane	630-20-6

1,1,2,2-tetrachloroethane	79-34-5
1,1,2,2-tetrachloro-1-fluoroethane (HCFC-121)	354-14-3
1,1,1,2-tetrachloro-2-fluoroethane (HCFC-121a)	354-11-0
tetrabromobisphenol a	79-94-7
tetrachloroethylene (perchloroethylene)	127-18-4
<u>tetrachlorvinphos (phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester)</u> <u>tetrachlorvinphos [phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester]</u>	961-11-5
tetracycline hydrochloride	64-75-5
tetrafluoroethylene	116-14-3
<u>tetramethrin (2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2h-isoindol-2-yl)methyl ester)</u> <u>tetramethrin [2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2h-isoindol-2-yl)methyl ester]</u>	7696-12-0
tetranitromethane	509-14-8
thallium	7440-28-0
thiabendazole (2-(4-thiazolyl)-1h-benzimidazole)	148-79-8
thioacetamide	62-55-5
<u>thiobencarb (carbamic acid, diethylthio-,s-(p-chlorobenzyl) ester)</u> <u>thiobencarb [carbamic acid, diethylthio-,s-(p-chlorobenzyl)ester]</u>	28249-77-6
4,4'-thiodianiline	139-65-1
thiodicarb	59669-26-0
<u>thiophanate ethyl ([1,2-phenylenebis(iminocarbonothioyl)]biscarbamic acid diethyl ester)</u> <u>thiophanate ethyl [[1,2-phenylenebis(iminocarbonothioyl)]biscarbamic acid diethyl ester]</u>	23564-06-9
thiophanate-methyl	23564-05-8
thiosemicarbazide	79-19-6

thiourea	62-56-6
thiram	137-26-8
thorium dioxide	1314-20-1
titanium tetrachloride	7550-45-0
toluene	108-88-3
toluene-2,4-diisocyanate	584-84-9
toluene-2,6-diisocyanate	91-08-7
toluenediisocyanate (mixed isomers)	26471-62-5
o-toluidine	95-53-4
o-toluidine hydrochloride	636-21-5
toxaphene	8001-35-2
triadimefon (1-(4-chlorophenoxy)-3,3-dimethyl-1-(1h-1,2,4-triazol-1-yl)-2-butanone)triadimefon [1-(4-chlorophenoxy)-3,3-dimethyl-1-(1h-1,2,4-triazol-1-yl)-2-butanone]	43121-43-3
triallate	2303-17-5
triaziquone (2,5-cyclohexadiene-1,4-dione,2,3,5-tris(1-aziridinyl)-)	68-76-8
tribenuron methyl (2-((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl)amino)sulfonyl)-, methyl ester)tribenuron methyl [2-((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl)amino)sulfonyl)-, methyl ester]	101200-048-0
tributyltin fluoride	1983-10-4
tributyltin methacrylate	2155-70-6
s,s,s-tributyltrithiophosphate (DEF)	78-48-8
trichlorfon (phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester)trichlorfon [phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester]	52-68-6
trichloroacetyl chloride	76-02-8
1,2,4-trichlorobenzene	120-82-1

1,1,1-trichloroethane (methyl chloroform)	71-55-6
1,1,2-trichloroethane	79-00-5
trichloroethylene	79-01-6
trichlorofluoromethane (CFC-11)	75-69-4
2,4,5-trichlorophenol	95-95-4
2,4,6-trichlorophenol	88-06-2
1,2,3-trichloropropane	96-18-4
triclopyr triethylammonium salt	57213-69-1
triethylamine	121-44-8
<u>trifluralin (benzeneamine, 2,6-dinitro-n,n-dipropyl-4-(trifluoromethyl)-)</u> <u>trifluralin [benzeneamine, 2,6-dinitro-n,n-dipropyl-4-(trifluoromethyl)-]</u>	1582-09-8
<u>triforine (n,n' [1,4-piperazinediylbis(2,2,2-trichloroethylidene)] bisformamide)</u> <u>triforine [n,n'-[1,4-piperazinediyl-bis(2,2,2-trichloroethylidene)] bisformamide]</u>	26644-46-2
1,2,4-trimethylbenzene	95-63-6
trimethylchlorosilane	75-77-4
2,2,4-trimethylhexamethylene diisocyanate	16938-22-0
2,4,4-trimethylhexamethylene diisocyanate	15646-96-5
2,3,5-trimethylphenyl methylcarbamate	2655-15-4
triphenyltin chloride	639-58-7
triphenyltin hydroxide	76-87-9
tris(2,3-dibromopropyl) phosphate	126-72-7
trypan blue	72-57-1
urethane (ethyl carbamate)	51-79-6
vanadium (except when contained in an alloy)	7440-62-2

<del>vinelozolin (3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione)</del> <u>vinclozolin</u> <u>[3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]</u>	50471-44-8
vinyl acetate	108-05-4
vinyl bromide	593-60-2
vinyl chloride	75-01-4
vinyl Fluoride	75-02-5
vinylidene chloride	75-35-4
xylene (mixed isomers)	1330-20-7
m-xylene	108-38-3
o-xylene	95-47-6
p-xylene	106-42-3
2,6-xylidine	87-62-7
zinc (fume or dust)	7440-66-6
zineb [carbamodithioic acid, 1,2-ethanediybis-, zinc complex]	12122-67-7

## (B) CAS number listing

CAS Number	Chemical Name
50-00-0	formaldehyde
51-03-6	piperonyl butoxide
51-28-5	2,4-dinitrophenol
51-75-2	<del>nitrogen mustard (2-chloro-N-(2-chloroethyl)-N-methylethanamine)</del> <u>nitrogen mustard</u> <u>[2-chloro-n-(2-chloroethyl)-n-methylethanamine]</u>
51-79-6	urethane (ethyl carbamate)
52-68-6	<del>trichlorfon (phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-dimethyl ester)</del> <u>trichlorfon [phosphonic acid,</u> <u>(2,2,2-trichloro-1-hydroxyethyl)-dimethyl ester]</u>

52-85-7	famphur
53-96-3	2-acetylaminofluorene
55-18-5	N-nitrosodiethylamine
55-21-0	benzamide
55-38-9	fenthion (o,o-dimethyl o(3methyl-4-(methylthio) phenyl) ester, phosphoric acid)
55-63-0	nitroglycerin
56-23-5	carbon tetrachloride
56-35-9	bis (tributyltin) oxide
56-38-2	<del>parathion (phosphorothioic acid, o-o-diethyl-o-(4-nitrophenyl)ester)</del> parathion (phosphorothioic acid, o,o-diethyl-o-(4-nitrophenyl) ester)
57-14-7	1,1-dimethyl hydrazine
57-33-0	pentobarbital sodium
57-41-0	phenytoin
57-57-8	beta-propiolactone
57-74-9	<del>chlordan (4,7-methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-)</del> chlordan [4,7-methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]
58-89-9	<del>lindane (cyclohexane, 1,2,3,4,5,6-hexachlor-(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.))</del> lindane [cyclohexane, 1,2,3,4,5,6-hexachloro-(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-]
59-89-2	N-nitrosomorpholine
60-09-3	4-aminoazobenzene
60-11-7	4-dimethylaminoazobenzene
60-34-4	methyl hydrazine
60-35-5	acetamide
60-51-5	dimethoate

61-82-5	amitrole
62-53-3	aniline
62-55-5	thioacetamide
62-56-6	thiourea
62-73-7	dichlorvos (phosphoric acid, 2,2-dichloroethenyl dimethyl ester)
62-74-8	sodium fluoroacetate
62-75-9	N-nitrosodimethylamine
63-25-2	carbaryl (1-naphthalenol, methylcarbamate)
64-18-6	formic acid
64-67-5	diethyl sulfate
64-75-5	tetracycline hydrochloride
67-56-1	methanol
67-63-0	isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)
67-66-3	chloroform
67-72-1	hexachloroethane
68-12-2	n,n-dimethylformamide
68-76-8	<del>triaziquone (2,5-cyclohexadiene-1,4-dione, n-butyl alcohol 2,3,5-tris(1-aziridinyl)-)</del> triaziquone [2,5-cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]
70-30-4	hexachlorophene
71-36-3	n-butyl alcohol
71-43-2	benzene
71-55-6	1,1,1-trichloroethane (methyl chloroform)
72-43-5	<del>methoxychlor (benzene, 1,1-(2,2,2-trichloro-ethylidene)bis(4-methoxy-))</del> methoxychlor [benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]]

72-57-1	trypan blue
74-83-9	bromomethane (methyl bromide)
74-85-1	ethylene
74-87-3	chloromethane (methyl chloride)
74-88-4	methyl iodide
74-90-8	hydrogen cyanide
74-95-3	methylene bromide
75-00-3	chloroethane (ethyl chloride)
75-01-4	vinyl chloride
75-02-5	vinyl Fluoride
75-05-8	acetonitrile
75-07-0	acetaldehyde
75-09-2	dichloromethane (methylene chloride)
75-15-0	carbon disulfide
75-21-8	ethylene oxide
75-25-2	bromoform (tribromomethane)
75-27-4	dichlorobromomethane
75-34-3	ethylidene dichloride
75-35-4	vinylidene chloride
75-43-4	dichlorofluoromethane (HCFC-21)
75-44-5	phosgene
75-45-6	chlorodifluoromethane (HCFC-22)
75-52-5	nitromethane
75-55-8	propyleneimine
75-56-9	propylene oxide

75-63-8	bromotrifluoromethane (halon 1301)
75-65-0	tert-butyl alcohol
75-68-3	1-chloro-1,1-difluoroethane (HCFC-142b)
75-69-4	trichlorofluoromethane (CFC-11)
75-71-8	dichlorodifluoromethane (CFC-12)
75-72-9	chlorotrifluoromethane (CFC-13)
75-86-5	2-methylactonitrile
75-88-7	2-chloro-1,1,1-trifluoroethane (HCFC-133a)
76-01-7	pentachloroethane
76-02-8	trichloroacetyl chloride
76-06-2	chloropicrin
76-13-1	freon 113 (ethane, 1,1,2-trichloro-1,2,2-trifluoro-)
76-14-2	dichlorotetrafluoroethane (CFC-114)
76-15-3	monochloropentafluoroethane (CFC-115)
76-44-8	<del>heptachlor (1,4,5,6,7,8,8-heptachloro-3A, 4,7,7a-tetrahydro-4,7-methano-1H-indene)</del> <u>heptachlor [1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene]</u>
76-87-9	triphenyltin hydroxide
77-09-8	phenolphthalein
77-47-4	hexachlorocyclopentadiene
77-73-6	dicyclopentadiene
77-78-1	dimethyl sulfate
77-48-8	s,s,s-tributyltrithiophosphate (DEF)
78-79-5	isoprene
78-84-2	isobutyraldehyde
78-87-5	1,2-dichloropropane

78-88-6	2,3-dichloropropene
78-92-2	sec-butyl alcohol
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-06-1	acrylamide
79-10-7	acrylic acid
79-11-8	chloroacetic acid
79-19-6	thiosemicarbazide
79-21-0	peracetic acid
79-22-1	methyl chlorocarbonate
79-34-5	1,1,2,2-tetrachloroethane
79-44-7	dimethylcarbamyl chloride
79-46-9	2-nitropropane
79-94-7	tetrabromodisphenol a
80-05-7	4,4-isopropylidenediphenol
80-15-9	cumene hydroperoxide
80-62-6	methyl methacrylate
81-07-2	<del>saccharin (only persons who manufacture are subject, no supplier notification) (1,2-benzisothiazol-3(2H)-one,1,1-dioxide)</del> saccharin (only persons who manufacture are subject, no supplier notification) [1,2-benzisothiazol-3(2H)-one,1,1-dioxide]
81-49-2	1-amino-2,4-dibromoanthraquinone
81-88-9	C.I. Food Red 15
82-28-0	1-amino-2-methylantraquinone
82-68-8	quintozene (pentachloronitrobenzene)
84-74-2	dibutyl phthalate
85-01-8	phenanthrene

85-44-9	phthalic anhydride
86-30-6	N-nitrosodiphenylamine
87-62-7	2,6-xylydine
87-68-3	hexachloro-1,3-butadiene
87-86-5	pentachlorophenol (PCP)
88-06-2	2,4,6-trichlorophenol
<u>88-72-2</u>	<u>o-nitrotoluene</u>
88-75-5	2-nitrophenol
88-85-7	dinitrobutyl phenol (dinoseb)
88-89-1	picric acid
90-04-0	o-anisidine
90-43-7	2-phenylphenol
90-94-8	michler's ketone
91-08-7	toluene-2,6-diisocyanate
91-20-3	naphthalene
91-22-5	quinoline
91-23-6	o-nitroanisole
91-59-8	beta-naphthylamine
91-94-1	3,3-dichlorobenzidine
92-52-4	biphenyl
92-67-1	4-aminobiphenyl
92-87-5	benzidine
92-93-3	4-nitrobiphenyl
93-15-2	methyleugenol
93-65-2	mecoprop

94-11-1	2,4-D isopropyl ester
94-36-0	benzoyl peroxide
94-58-6	dihydrosafrole
94-59-7	safrole
94-74-6	methoxone ((4-chloro-2methylphenoxy) acetic acid) (MCPA)
94-75-7	2,4-D (acetic acid, (2,4-dichlorophenoxy)-)
94-80-4	2,4-D butyl ester
94-82-6	2,4-DB
95-47-6	o-xylene
95-48-7	o-cresol
95-50-1	1,2-dichlorobenzene
95-53-4	o-toluidine
95-54-5	1,2-phenylenediamine
95-63-6	1,2,4-trimethylbenzene
95-69-2	p-chloro-o-toluidine
95-80-7	2,4-diaminotoluene
95-95-4	2,4,5-trichlorophenol
96-09-3	styrene oxide
96-12-8	1,2-dibromo-3-chloropropane (DBCP)
96-18-4	1,2,3-trichloropropane
96-33-3	methyl acrylate
96-45-7	ethylene thiourea
<del>96-23</del> 497-23-4	dichlorophene (2,2'-methylenebis(4-chlorophenol))
97-56-3	C.I. Solvent Yellow 3
98-07-7	benzoic trichloride (benzotrighlonde)

98-82-8	cumene
98-86-2	acetophenone
98-87-3	benzal chloride
98-88-4	benzoyl chloride
98-95-3	nitrobenzene
99-30-9	dichloran (2,6-dichloro-4-nitroaniline)
99-55-8	5-nitro-o-toluidine
99-59-2	5-nitro-o-anisidine
99-65-0	m-dinitrobenzene
100-01-6	p-nitroaniline
100-02-7	4-nitrophenol
100-25-4	p-dinitrobenzene
100-41-4	ethylbenzene
100-42-5	styrene
100-44-7	benzyl chloride
100-75-4	N-nitrosopiperidine
101-05-3	<del>anilazine (4,6-dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine)</del> anilazine [4,6-dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]
101-14-4	4,4-methylenebis (2-chloroaniline) (MBOCA)
101-61-1	4,4-methylenebis (N,N-dimethyl) benzenamine
101-77-9	4,4-methylenedianiline
101-80-4	4,4-diaminodiphenyl ether
101-90-6	diglycidyl resorcinol ether
104-12-1	p-chlorophenyl isocyanate
104-94-9	p-anisidine

105-67-9	2,4-dimethylphenol
106-42-3	p-xylene
106-44-5	p-cresol
106-46-7	1,4-dichlorobenzene
106-47-8	p-chloroaniline
106-50-3	p-phenylenediamine
106-51-4	quinone
106-88-7	1,2-butylene oxide
106-89-8	epichlorohydrin
106-93-4	1,2-dibromoethane (ethylene dibromide)
106-99-0	1,3-butadiene
107-02-8	acrolein
107-05-1	allyl chloride
107-06-2	1,2-dichloroethane (ethylene dichloride)
107-11-9	allylamine
107-13-1	acrylonitrile
107-18-6	allyl alcohol
107-19-7	propargyl alcohol
107-21-1	ethylene glycol
107-30-2	chloromethyl methyl ether
108-05-4	vinyl acetate
108-10-1	methyl isobutyl ketone
108-31-6	maleic anhydride
108-38-3	m-xylene
108-39-4	m-cresol

108-45-2	1,3-phenylenediamine
108-60-1	bis(2-chloro-1-methylethyl) ether
108-88-3	toluene
108-90-7	chlorobenzene
108-93-0	cyclohexanol
108-95-2	phenol
109-06-8	2-methylpyridine
109-77-3	malononitrile
109-86-4	2-methoxyethanol
110-00-9	furan
110-54-3	n-hexane
110-57-6	trans-1,4-dichloro-2-butene
110-80-5	2-ethoxyethanol
110-82-7	cyclohexane
110-86-1	pyridine
111-42-2	diethanolamine
111-44-4	bis (2-chloroethyl) ether
111-91-1	bis (2-chloroethoxy) methane
114-26-1	propoxur (phenol, 2-(1-methylethoxy), methylcarbamate)
115-07-1	propylene (propene)
115-28-6	chlorendic acid
115-32-2	<del>dicofol (benzenemethanol, 4-chloro-alpha-(4-chlorophenyl)-alpha-(trichloromethyl)-)</del> dicofol [benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]
116-06-3	aldicarb
116-14-3	tetrafluoroethylene

117-79-3	2-aminoanthraquinone
117-81-7	di-(2-ethylhexyl) phthalate (DEHP)
118-74-1	hexachlorobenzene
119-90-4	3,3-dimethoxybenzidine
119-93-7	3,3-dimethylbenzidine (o-tolidine)
120-12-7	anthracene
120-36-5	2, 4-DP
120-58-1	isosafrole
120-71-8	p-cresidine
120-80-9	catechol
120-82-1	1,2,4-trichlorobenzene
120-83-2	2,4-dichlorophenol
121-14-2	2,4-dinitrotoluene
121-44-8	triethylamine
121-69-7	N,N-dimethylaniline
121-75-5	malathion
122-34-9	simazine
122-39-4	diphenylamine
122-66-7	1,2-diphenylhydrazine (hydrazobenzene)
123-31-9	hydroquinone
123-38-6	propionaldehyde
123-63-7	paraldehyde
123-72-8	butyraldehyde
123-91-1	1,4-dioxane
124-40-3	dimethylamine

124-73-2	dibromotetrafluoroethane (halon 2402)
126-72-7	tris (2,3-dibromopropyl) phosphate
126-98-7	methacrylonitrile
126-99-8	chloroprene
127-18-4	tetrachloroethylene (perchloroethylene)
128-03-0	potassium dimethyldithiocarbamate
128-04-1	sodium dimethyldithiocarbamate
128-66-5	C.I. Vat Yellow 4
131-11-3	dimethyl phthalate
131-52-2	sodium pentachlorophenate
132-27-4	sodium o-phenylphenoxide
132-64-9	dibenzofuran
133-06-2	<u>captan (1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-)captan</u> [1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-]
133-07-3	folpet
133-90-4	chloramben (benzoic acid, 3-amino- 2,5,-dichloro-)
134-29-2	o-anisidine hydrochloride
134-32-7	alpha-naphthylamine
135-20-6	cupferron (benzeneamine, N-hydroxy-N-nitroso, ammonium salt)
136-45-8	dipropyl isocinchomerate
137-26-8	thiram
137-41-7	potassium n-methyldithio-carbamate
137-42-8	metham sodium (sodium methyldithiocarbamate)
138-93-2	disodium cyanodithioimido-carbonate
139-13-9	nitrilotriacetic acid

139-65-1	4,4-thiodianiline
140-88-5	ethyl acrylate
141-32-2	butyl acrylate
142-59-6	nabam
148-79-8	thiabendazole (2-(4-thiazolyl) -1h-benzimidazole)
149-30-4	2-mercaptobenzothiazole (MBT)
150-50-5	merphos
150-68-5	monuron
151-56-4	ethyleneimine (aziridine)
156-10-5	p-nitrosodiphenylamine
156-62-7	calcium cyanamide
191-24-2	benzo (g,h,i) perylene
298-00-0	methyl parathion
300-76-5	naled
301-12-2	oxydemeton methetyl (s-(2-(ethylsulfinyl) ethyl)o,o-dimethyl ester phosphorothioic acid)
302-01-2	hydrazine
306-83-2	2,2-dichloro-1,1,1-trifluoroethane (HCFC-123)
309-00-2	aldrin (1,4,5,8 dimethanonaphthalene, 1,2,3,4,10,10 hexachloro-1,4,4a,5,8,8a hexahydro (1 alpha, 4 alpha, 4a beta, 5 alpha, 8 alpha, 8a beta)-)aldrin [1,4:5,8-dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta., 5.alpha.,8.alpha.,8a.beta.)-]
314-40-9	bromacil (5-bromo-6-methyl-3-(1-methyl-propyl)2,4-(1h,3h)-pyrimidine-dione)bromacil (5-bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)
319-84-6	alpha-hexachlorocyclohexane
330-54-1	diuron

330-55-2	linuron
333-41-5	diazinon
334-88-3	diazomethane
353-59-3	bromochlorodifluoromethane (halon 1211)
354-11-0	1,1,1,2-tetrachloro-2-fluoroethane (HCFC-121a)
354-14-3	1,1,2,2-tetrachloro-1-fluoroethane (HCFC-121)
354-23-4	1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)
354-25-6	1-chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)
357-57-3	brucine
422-44-6	1,2-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)
422-48-0	2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)
422-56-0	3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)
431-86-7	1,2-dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)
460-35-5	3-chloro-1,1,1-trifluoropropane (HCFC-253fb)
463-58-1	carbonyl sulfide
465-73-6	isodrin
492-80-8	C.I. Solvent Yellow 34 (aurimine)
505-60-2	mustard gas (ethane, 1,1-thiobis (2-chloro-))
507-55-1	1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)
509-14-8	tetranitromethane
510-15-6	<del>chlorobenzilate (benzeneacetic acid, 4-chloro-alpha(4-chlorophenyl)-alpha-hydroxy-ethyl ester)</del> chlorobenzilate[benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester]
528-29-0	o-dinitrobenzene
532-27-4	2-chloroacetophenone
533-74-4	<del>dazomet (tetrahydro-3,5-dimethyl-2h-1,3,5-thiadiazine-2-thione)</del> dazomet

	<u>(tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)</u>
534-52-1	4,6-dinitro-o-cresol
540-59-0	1,2-dichlorethylene
541-41-3	ethyl chloroformate
541-53-7	2,4-dithiobiuret
541-73-1	1,3-dichlorobenzene
542-75-6	1,3-dichloropropylene
542-76-7	3-chloropropionitrile
542-88-1	bis(chloromethyl)ether
554-13-2	lithium carbonate
556-52-5	glycidol
556-61-6	methyl isothiocyanate (isothiocyanatomethane)
563-47-3	3-chloro-2-methyl-1-propene
569-64-2	C.I. Basic Green 4
584-84-9	toluene-2,4-diisocyanate
593-60-2	vinyl bromide
594-42-3	perchloromethyl mercaptan
606-20-2	2,6-dinitrotoluene
608-93-5	pentachlorobenzene
612-82-8	3,3'-dimethylbenzidine dihydrochloride (o-tolidine dihydrochloride)
612-83-9	3,3'-dichlorobenzidine dihydrochloride
615-05-4	2,4-diaminoanisole
615-28-1	1,2-phenylenediamine dihydrochloride
621-64-7	N-nitrosodi-n-propylamine
624-18-0	1,4-phenylenediamine dihydrochloride

624-83-9	methyl isocyanate
630-20-6	1,1,1,2-tetrachlorethane
636-21-5	o-toluidine hydrochloride
639-58-7	triphenyltin chloride
680-31-9	hexamethylphosphoramide
684-93-5	N-nitroso-N-methylurea
709-98-8	<del>propanil (n-(3,4-dichlorophenyl)propanamide)</del> <u>propanil</u> <u>[N-(3,4-dichlorophenyl)propanamide]</u>
759-73-9	N-nitroso-N-ethylurea
759-94-4	ethyl dipropylthiocarbamate (EPTC)
764-41-0	1,4-dichloro-2-butene
812-04-4	1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)
834-12-8	<del>ametryn (n-ethyl-n'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)</del> <u>ametryn</u> <u>(N-ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)</u>
842-07-9	C.I. Solvent Yellow 14
872-50-4	n-methyl-2-pyrrolidone
924-16-3	N-nitrosodi-n-butylamine
924-42-5	n-methylolacrylamide
957-51-7	diphenamid
961-11-5	tetrachlorvinphos (phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl) ethenyl dimethyl ester)
989-38-8	C.I. Basic Red 1
1114-71-2	pebulate (butylethylcarbamothioic acid s-propyl ester)
1120-71-4	propane sultone
1134-23-2	cycloate

1163-19-5	decabromodiphenyl oxide
1313-27-5	molybdenum trioxide
1314-20-1	thorium dioxide
1319-77-3	cresol (mixed isomers)
1320-18-9	2,4-D propylene glycol butyl ether ester
1330-20-7	xylene (mixed isomers)
1332-21-4	asbestos (friable)
1335-87-1	hexachloronaphthalene
1336-36-3	polychlorinated biphenyls (PCB's)
1344-28-1	aluminum oxide (fibrous forms)
1464-53-5	diepoxybutane
1563-66-2	carbofuran
1582-09-8	trifluralin (benzeneamine,2,6-dinitro-N,N-dipropyl-4,(trifluoromethyl)-)
1634-04-4	methyl tert-butyl ether
1649-08-7	1,2-dichloro-1,1-difluoroethane (HCFC-132b)
1689-84-5	bromoxynil (3,5-dibromo-4-hydroxybenzonitrile)
1689-99-2	bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester)
1717-00-6	1,1-dichloro-1-fluoroethane (HCFC-141b)
1836-75-5	nitrofen (benzene,2,4-dichloro-1-(4-nitrophenoxy)-)
1861-40-1	benfluralin (n-butyl-n-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine)
1897-45-6	chlorothalonil (1,3-benzenedicarbo-nitrile,2,4,5,6-tetrachloro-)
1910-42-5	paraquat dichloride
1912-24-9	<del>atrazine (6-chloro-n-ethyl-n'-(1-methyl-ethyl)-1,3,5-triazine-2,4-diamine)</del> atrazine

	<u>(6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5,-triazine-2,4-diamine)</u>
1918-00-9	dicamba (3,6-dichloro-2-methoxybenzoic acid)
1918-02-1	picloram
1918-16-7	propachlor (2-chloro-n-(1-methylethyl)-n-phenylacetamide)
1928-43-4	2,4-d 2-ethylhexyl ester
1929-73-3	2,4-d butoxyethyl ester
1929-82-4	<del>nitrapyrin (2-chloro-6-(trichloromethyl)-pyridine)</del> <u>nitrapyrin (2-chloro-6-(trichloromethyl)pyridine)</u>
1937-37-7	C.I. Direct Black 38
1982-69-0	sodium dicamba (3,6-dichloro-2-methoxybenzoic acid, sodium salt)
1983-10-4	tributyltin fluoride
2032-65-7	methiocarb
2155-70-6	tributyltin methacrylate
2164-07-0	dipotassium endothall (7-oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt)
2164-17-2	fluometuron (urea,N,N-dimethyl-N (3-(trifluoromethyl phenyl)-)
2212-67-1	molinate (1h-azepine-1-carbothioic acid, hexahydro-s-ethyl ester)
2234-13-1	octachloronaphthalene
2300-66-5	dimethylamine dicamba
2303-16-4	<del>diallate (carbamoithioic acid, bis (1-methylethyl) –S– (2,3-dichloro-2-propenyl) ester)</del> <u>diallate [carbamoithioic acid, bis(1-methylethyl)-, s-(2,3-dichloro-2-propenyl) ester]</u>
2303-17-5	triallate
2312-35-8	propargite
2439-01-2	<del>ehinomethionat (6-methyl-1,3-dithiolo(4,5-b)-quinoxalin-2-one)</del> <u>chinomethionat [6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one]</u>
2439-10-3	dodine (dodecylquanidine monoacetate)

2524-03-0	dimethyl chlorothiophosphate
2602-46-2	C.I. Direct Blue 6
2655-15-4	2,3,5-trimethylphenyl methyl carbamate
2699-79-8	sulfuryl fluoride (vikane)
2702-72-9	2,4-D sodium salt
2832-40-8	C.I. Disperse Yellow 3
2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124)
2971-38-2	2,4-D chlorocrotyl ester
3118-97-6	C.I. Solvent Orange 7
3296-90-0	2,2-bis(bromomethyl)-1,3-propanediol
3383-96-8	temephos
3653-48-3	methoxone sodium salt ((4-chloro-2-methylphenoxy) acetate sodium salt)
3761-53-3	C.I. Food Red 5
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride
4170-30-3	crotonaldehyde
4549-40-0	N-nitrosomethylvinylamine
4680-78-8	C.I. Acid Green 3
5234-68-4	carboxin (5,6-dihydro-2-methyl-n-phenyl-1,4-oxathiin-3-carboxamide)
5598-13-0	chlorpyrifos methyl (o,o-dimethyl-o-(3,5,6-trichloro-2-pyridyl) phosphorothioate)
5902-51-2	<del>terbacil (5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1h,3h)-pyrimidinedione)</del> terbacil [5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]
6459-94-5	C.I. Acid red 114
7287-19-6	<del>prometryn (n,n'-bis(1-methylethyl)-</del>

	<u>6-methylthio-1,3,5-triazine-2,4-diamine</u> )prometryn [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]
7429-90-5	aluminum (fume or dust)
7439-92-1	lead
7439-96-5	manganese
7439-97-6	mercury
7440-02-0	nickel
7440-22-4	silver
7440-28-0	thallium
7440-36-0	antimony
7440-38-2	arsenic
7440-39-3	barium
7440-41-7	beryllium
7440-43-9	cadmium
7440-47-3	chromium
7440-48-4	cobalt
7440-50-8	copper
7440-62-2	vanadium (except when contained in an alloy)
7440-66-6	zinc (fume or dust)
7550-45-0	titanium tetrachloride
7632-00-0	sodium nitrite
7637-07-2	boron trifluoride
7647-01-0	hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne species of any particle size)
7664-39-3	hydrogen fluoride
7664-41-7	ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; "ten" percent of

	total aqueous ammonia is reportable under this listing)
7664-93-9	sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne species of any particle size)
7696-12-0	<del>tetramethrin (2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester)</del> <u>tetramethrin [2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]</u>
7697-37-2	nitric acid
7723-14-0	phosphorus (yellow or white)
7726-95-6	bromine
7758-01-2	potassium bromate
7782-41-4	fluorine
7782-49-2	selenium
7782-50-5	chlorine
<u>7783-06-4</u>	<u>hydrogen sulfide</u>
7786-34-7	mevinphos
7803-51-2	phosphine
8001-35-2	toxaphene
8001-58-9	creosote
9006-42-2	metiram
10028-15-6	ozone
10034-93-2	hydrazine sulfate
10049-04-4	chlorine dioxide
10061-02-6	trans-1,3-dichloropropene
10294-34-5	boron trichloride
10453-86-8	resmethrin ((5-(phenylmethyl)-3-furanyl)

	<del>methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate</del> )resmethrin [[5-(phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]]
12122-67-7	<del>zineb (carbamodithioic acid, 1,2-ethanediybis-, zinc complex)</del> zineb [carbamodithioic acid, 1,2-ethanediybis-, zinc complex]
12427-38-2	maneb (carbamodithioic acid, 1,2-ethanediybis-, manganese complex)
13194-48-4	ethoprop (phosphorodithioic acid o-ethyl s,s-dipropyl ester)
13356-08-6	fenbutatin oxide (hexakis(2-methyl-2-phenylpropyl)distannoxane)
13463-40-6	iron pentacarbonyl
13474-88-9	1,1-dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)
13684-56-5	desmedipham
14484-64-1	ferbam (tris(dimethylcarbamodithioato-s,s') iron)
15972-60-8	alachlor
16071-86-6	C.I. Direct Brown 95
16543-55-8	N-nitrosornicotine
17804-35-2	benomyl
19044-88-3	oryzalin (4-(dipropylamino)-3,5-dinitrobenzenesulfonamide)
19666-30-9	oxydiazon (3-(2,4-dichloro-5(1-methyl-ethoxy)phenyl) - 5 - (1,1-dimethyl-ethyl)-1,3,4-oxadiazol-2(3h)-one)
20325-40-0	3,3'-dimethoxybenzidine dihydrochlorine(o-dianisidine dihydrochlorine)
20354-26-1	<del>methazole (2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione)</del> methazole [2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]
20816-12-0	osmium tetroxide
20859-73-8	aluminum phosphide
21087-64-9	metribuzin

21725-46-2	cyanazine
22781-23-3	bendiocarb (2,2-dimethyl-1,3-benzodioxol-4-ol methylcarbamate)
23564-05-8	thiophanatemethyl
23564-06-9	<del>thiophanate ethyl ((1,2-phenylenebis(iminocarbonothioyl)) biscarbamic acid diethyl ester)</del> <u>thiophanate ethyl [[1,2-phenylenebis(iminocarbonothioyl)] biscarbamic acid diethyl ester]</u>
23950-58-5	pronamide
25311-71-1	<del>isofenphos (2-((ethoxyl((1-methylethyl) amino)phosphinothioyl) benzoic acid 1-methylethyl ester)</del> <u>isofenphos [2-[[ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]</u>
25321-14-6	dinitrotoluene (mixed isomers)
25321-22-6	dichlorobenzene (mixed isomers)
25376-45-8	diaminotoluene (mixed isomers)
26002-80-2	<del>phenothrin (2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester)</del> <u>phenothrin [2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]</u>
26471-62-5	toluene diisocyanate (mixed isomers)
26628-22-8	sodium azide
26644-46-2	triforine (n,n'-(1,4-piperazinediyl)bis(2,2,2-trichloroethylidene)) bisformamide)
27314-13-2	<del>norflurazon (4-chloro-5-(methylamino)-2-(3-(trifluoromethyl) phenyl)-3(2h)-pyridazinone)</del> <u>norflurazon [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]- 3(2H)-pyridazinone]</u>
28057-48-9	d-trans-allethrin (d-trans-chrysanthemic acid of d-allethrine)
28249-77-6	thiobencarb (carbamic acid, diethylthio-,s-(p-chlorobenzyl) ester)
28407-37-6	C.I. Direct blue 218
29082-74-4	octachlorostyrene

29232-93-7	pirimiphos methyl (o-(2-(diethylamino)-6-methyl-4-pyrimidinyl)-o, o-dimethyl phosphorothioate)
30560-19-1	acephate (acetylphosphoramidothioic acid o,s-dimethyl ester)
31218-83-4	<del>propetamphos (3-((ethylamino) methoxy phosphinothioyl)oxy]-2-butenoic acid, 1-methylethyl ester)</del> propetamphos [3-[[ <u>(ethylamino)methoxyphosphino-thioyl</u> ] <u>oxy</u> ]-2-butenoic acid, 1-methylethyl ester]
33089-61-1	amitraz
34014-18-1	<del>tebuthiuron (n-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-n,n'-dimethylurea)</del> terbuthiuron [ <u>n-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea</u> ]
34077-87-7	dichlorotrifluoroethane
35367-38-5	diflubenzuron
35400-43-2	sulprofos (o-ethyl o-(4-(methylthio)phenyl) phosphorodithioic acid s-propyl ester)
35554-44-0	<del>imazalil (1-(2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazole)</del> imazalil [ <u>1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole</u> ]
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propane dicarbonitrile
38727-55-8	diethatyl ethyl
39156-41-7	2,4-diaminoanisole sulfate
39300-45-3	dinocap
39515-41-8	fenpropathrin (2,2,3,3-tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester)
40487-42-1	<del>pendimethalin (n-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine)</del> pendimethalin [ <u>n-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine</u> ]
41198-08-7	profenofos (o-(4-bromo-2-chlorophenyl)-o-ethyl-s-propylphosphorothioate)
41766-75-0	3,3'-dimethylbenzidine dihydrofluoride (o-tolidine dihydrofluoride)
42874-03-3	oxyfluorfen

43121-43-3	triadimefon (1-(4-chlorophenoxy)-3,3-dimethyl-1-(1h-1,2,4-triazol-1-yl)-2-butanone)
50471-44-8	<del>vinclozolin (3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione)</del> vinclozolin [3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]
51235-04-2	hexazinone
51338-27-3	diclofop methyl (2-(4-(2,4-dichlorophenoxy)phenoxy)propanoic acid, methyl ester)
51630-58-1	<del>fenvalerate (4-chloro-alpha-(1-methylethyl)-benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester)</del> fenvalerate [4-chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester]
52645-53-1	permethrin (3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxyphenyl)methyl ester)
53404-19-6	<del>bromacil, lithium salt (2,4-(1h,3h)-pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt)</del> bromacil, lithium salt [2,4-(1H,3H)-pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester
53404-60-7	dazomet, sodium salt (tetrahydro-3,5-dimethyl-2h-1,3,5-thiadiazine-2-thione, ion(1-), sodium)
55290-64-7	dimethipin (2,3,-dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide)
55406-53-6	3-iodo-2-propynyl butylcarbamate
57213-69-1	triclopyr triethylammonium salt
59669-26-0	thiodicarb
60168-88-9	<del>fenarimol (alpha-(2-chlorophenyl)-alpha-4-chlorophenyl)-5-pyrimidinemethanol)</del> fenarimol [.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidine-methanol]
60207-90-1	propiconazole (1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1h-1,2,4,-triazole)

62476-59-9	acifluorfen, sodium salt (5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt)
63938-10-3	chlorotetrafluoroethane
64902-72-3	chlorsulfuron (2-chloro-n-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl) benzene sulfonamide)
64969-34-2	3,3'-dichlorobenzidine sulfate
66441-23-4	fenoxaprop ethyl (2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester)
67485-29-4	hydramethylnon (tetrahydro-5,5-dimethyl-2(1h)-pyrimidinone[3-(4-(trifluoromethyl)phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hydrazone)
68085-85-8	cyhalothrin (3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano (3-phenoxyphenyl)methyl ester)
68359-37-5	cyfluthrin (3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester)
69409-94-5	fluvalinate (n-(2-chloro-4-(trifluoromethyl)phenyl)-dl-valine(+)-cyano (3-phenoxyphenyl)methyl ester)
69806-50-4	fluazifop butyl (2-(4-((5-(trifluoromethyl)-2-pyridinyl)oxy)-phenoxy)propanoic acid, butyl ester)
71751-41-2	abamectin (avermectin b1)
72178-02-0	fomesafen (5-(2-chloro-4-(trifluoromethyl)phenoxy)-n-methylsulfonyl)-2-nitrobenzamide)
72490-01-8	<del>fenoxycarb (2-(4-phenoxy-phenoxy)-ethylcarbamie acid ethyl ester)</del> fenoxycarb [2-(4-Phenoxyphenoxy)ethyl]carbamie acid ethyl ester]
74051-80-2	sethoxydim (2-(1-(ethoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxyl-2-cyclohexen-1-one)
76578-14-8	quizalofop-ethyl (2-(4-((6-chloro-2-quinoxalinyloxy)phenoxy)propanoic acid ethyl ester)

77501-63-4	<del>lactofen (benzoic acid, (5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-methyl-2-oxoethyl ester)</del> lactofen [Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]
82657-04-3	bifenthrin
88671-89-0	<del>myclobutanil (alpha-butyl-alpha-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile)</del> myclobutanil [alpha.-butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile]
90454-18-5	dichloro-1,1,2-trifluoroethane
90982-32-4	chlorimuron ethyl (ethyl-2-(((4-chloro-6-methoxyprimidin-2-yl)-carbonyl)-amino)sulfonyl)benzoate)
101200-48-0	tribenuron methyl (2-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl)amino)sulfonyl-, methyl ester)
111512-56-2	1,1-dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)
111984-09-9	3,3'-dimethoxybenzidine hydrochloride (o-dianisidine hydrochloride)
127564-92-5	dichloropentafluoropropane
128903-21-9	2,2-dichloro-1,1,1,3,3-
	pentafluoropropane (HCFC-225aa)
136013-79-1	1,3-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)

## (C) Chemical categories in alphabetical order:

antimony compounds: includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

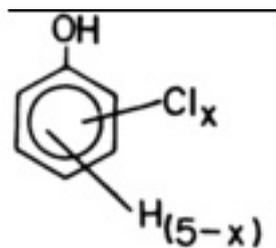
arsenic compounds: includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

barium compounds: includes any unique chemical substance that contains barium as part of that chemical's infrastructure.

beryllium compounds: includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

cadmium compounds: includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

chlorophenols:



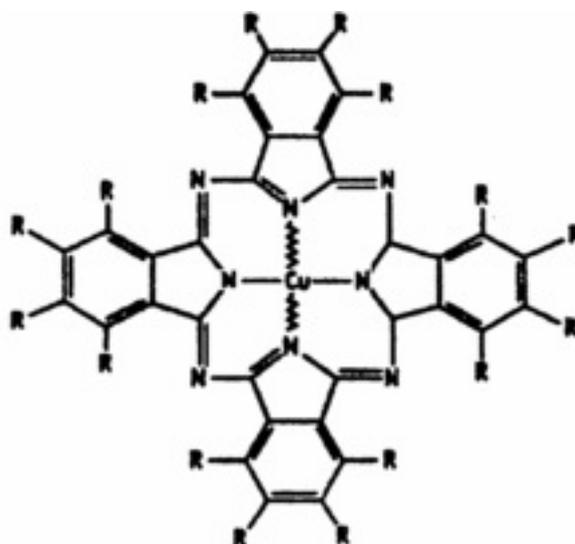
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where  $x = 1$  to  $5$

chromium compounds: includes any unique chemical substance that contains chromium as part of that chemical's infrastructure (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately two thousand degrees Fahrenheit).

cobalt compounds: includes any unique chemical substance that contains cobalt as part of that chemical's infrastructure.

copper compounds: includes any unique chemical substance that contains copper as part of that chemical's infrastructure (except for C.I. pigment blue 15 (PB-15, CAS No. 147-14-8). C.I. pigment green 36 (PG-36, CAS No. 14302-13-7) except copper phthalocyanine compounds that are substituted with only hydrogen or bromine.



where R = H or BR or Cl only.

cyanide compounds:  $X^+ CN^-$  where  $X = H^+$  or any other group where a formal dissociation can be made. For example, KCN or CA  $(CN)_2$ .

diisocyanates: This category includes only those chemicals listed in the following table-;

38661-72-2	1,3-bis(methylisocyanate)-cyclohexane
10347-54-3	1,4-bis(methylisocyanate)-cyclohexane
<del>2556-36-7</del> 2556-36-7	1,4-cyclohexane diisocyanate
134190-37-7	diethyldiisocyanatobenzene
<del>4128-73-8</del> 4128-73-8	4,4'-diisocyanatodiphenyl ether
<del>75790-87-3</del> 75790-87-3	2,4'-diisocyanatodiphenyl sulfide
91-93-0	3,3'-dimethoxybenzidine-4,4'-diisocyanate
91-97-4	3,3'-dimethyl-4,4'diphenylene diisocyanate
139-25-3	3,3'-dimethyldiphenylmethane-4,4'-diisocyanate
822-06-0	hexamethylene-1,6-diisocyanate
4098-71-9	isophorone diisocyanate

75790-84-0	4-methyldiphenylmethane-3,4-diisocyanate
5124-30-1	1,1methylene bis(4-isocyanatocyclohexane)
101-68-8	methylene bis (phenylisocyanate) (mdi)
3173-72-6	1,5-naphthalene diisocyanate
123-61-5	1,3-phenylene diisocyanate
104-49-4	1,4-phenylene diisocyanate
9016-87-9	polymeric diphenylmethane diisocyanate
16938-22-0	2,2,4-trimethylhexamethylene diisocyanate
15646-96-5	2,4,4-trimethylhexamethylene diisocyanate

Dioxin and dioxin-like compounds (manufacturing; and the processing or otherwise use of dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical) (this category includes only those chemicals listed in the following table)-:

67562-39-4	1,2,3,4,6,7,8-heptachlorodibenzofuran
55673-89-7	1,2,3,4,7,8,9-heptachlorodibenzofuran
70648-26-9	1,2,3,4,7,8-hexachlorodibenzofuran
55117-44-9	1,2,3,6,7,8-hexachlorodibenzofuran
72918-21-9	1,2,3,7,8,9-hexachlorodibenzofuran
60851-34-5	2,3,4,6,7,8-hexachlorodibenzofuran
39227-28-6	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
57653-85-7	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin
19408-74-3	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin
35822-46-9	1,2,3,4,6,7,8-hexachlorodibenzo-p-dioxin
39001-02-0	1,2,3,4,6,7,8,9-octachlorodibenzofuran
03268-87-9	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin

57117-41-6	1,2,3,7,8-pentachlorodibenzofuran
57117-31-4	2,3,4,7,8-pentachlorodibenzofuran
40321-76-4	1,2,3,7,8-pentachlorodibenzo-p-dioxin
51207-31-9	2,3,7,8-tetrachlorodibenzofuran
01746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin

mercury compounds: includes any unique chemical substance that contains mercury as part of that chemical's infrastructure.

ethylenebisdithiocarbamic acid, salts and esters (EBDCs): includes any unique chemical substance that contains EDBC or an EDBC salt as part of that chemical's infrastructure.

certain glycol ethers:



Where N = 1, 2 or 3

R = alkyl C7 or less: or

R = phenyl or alkyl subtitled phenyl;

R' = H or alkyl C7 or less; or

OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

lead compounds: includes any unique chemical substance that contains lead as part of that chemical's infrastructure.

manganese compounds: includes any unique chemical substance that contains manganese as part of that chemical's infrastructure.

mercury compounds: includes any unique chemical substance that contains mercury as part of that chemical's infrastructure.

nickel compounds: includes any unique chemical substance that contains nickel as part of that chemical's infrastructure.

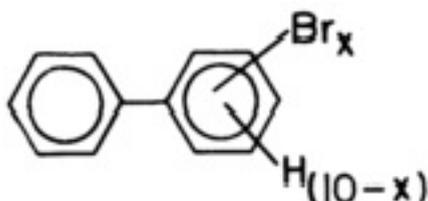
nicotine and salts: includes any unique chemical substance that contains nicotine or a nicotine salt as part of that chemical's infrastructure.

nitrate compounds (water dissociable; reportable only when in aqueous solution)

nonylphenol: this category includes only those chemicals listed in the following table:

<u>104-40-5</u>	<u>4-nonylphenol</u>
<u>11066-49-2</u>	<u>isononylphenol</u>
<u>25154-52-3</u>	<u>nonylphenol</u>
<u>26543-97-5</u>	<u>4-isononylphenol</u>
<u>84852-15-3</u>	<u>4-nonylphenol, branched</u>
<u>90481-04-2</u>	<u>nonylphenol, branched</u>

polybrominated biphenyls (PBBS)



where X = 1 to 10

polychlorinated alkanes (C<sub>10</sub> to C<sub>13</sub>): includes those chemicals defined by the following formula:



Where X = 10 to 13; Y = 3 to 12; and where the average chlorine content ranges from forty to seventy per cent with the limiting molecular formulas C<sub>10</sub>H<sub>19</sub>Cl<sub>3</sub> and C<sub>13</sub>H<sub>16</sub>Cl<sub>12</sub>.

polycyclic aromatic compounds (PACs): this category includes only those chemicals listed in the following table:

00056-55-3	benz (a) anthracene
00205-99-2	benzo (b) fluoranthene
00205-82-3	benzo (j) fluoranthene
00207-08-9	benzo (k) fluoranthene

00206-44-0	benzo (j,k) fluorene
00189-55-9	benzo (r,s,t) pentaphene
00218-01-9	benzo (a) phenanthrene
00050-32-8	benzo (a) pyrene
00226-36-8	dibenz (a,h) acridine
00224-42-0	dibenz (a,j) acridine
00053-70-3	dibenzo (a,h) anthracene
00194-59-2	7h-dibenzo (c,g) carbazole
05385-75-1	dibenzo (a,e) fluoranthene
00192-65-4	dibenzo (a,e) pyrene
00189-64-0	dibenzo (a,h) pyrene
00191-30-0	dibenzo (a,l) pyrene
00057-97-6	7, 12-dimethylbenz (a) anthracene
42397-64-8	1,6-dinitropyrene
42397-65-9	1,8-dinitropyrene
00193-39-5	indeno [1,2,3-cd] pyrene
00056-49-5	3-methylcholanthrene
03697-24-3	5-methylchrysene
07496-02-8	6-nitrochrysene
05522-43-0	1-nitropyrene
57835-92-4	4-nitropyrene

selenium compounds: includes any unique chemical substance that contains selenium as part of that chemical's infrastructure.

silver compounds: includes any unique chemical substance that contains silver as part of that chemical's infrastructure.

strychnine and salts: includes any unique chemical substance that contains

strychnine or a strychnine salt as part of that chemical's infrastructure.

thallium compounds: includes any unique chemical substance that contains thallium as part of that chemical's infrastructure.

vanadium compounds: includes any unique chemical substance that contains thallium as part of that chemical's infrastructure.

warfarin and salts: includes any unique chemical substance that contains warfarin or a warfarin salt as part of that chemical's infrastructure.

zinc compounds: includes any unique chemical substance that contains zinc as part of that chemical's infrastructure.

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01/16/2006, 10/25/2011

3745-100-11

**Toxic chemical release reporting form and instructions.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

- (A) Availability of reporting form and instructions. The most current version of EPA form R and form R schedule 1 may be found on the following USEPA program web site: <http://www.epa.gov/tri>. Any subsequent changes to the form R or form R schedule 1 will be posted on this web site. Submitters may also contact the TRI program at (202) 564-9554 to obtain this information. ~~Ohio EPA also encourages facilities subject to this part to submit the required information to Ohio EPA by using electronic media in lieu of Form R. Instructions for submitting and using electronic media may also be obtained from the address given in this paragraph.~~
- (B) Form elements. Information elements reportable on EPA form R and form R schedule 1, or equivalent magnetic media format include the following:
- (1) An indication of whether the report does either of the following:
    - (a) Claims chemical identity as trade secret.
    - (b) Covers the entire facility or part of a facility.
  - (2) Signature of a senior management official certifying the following; "I hereby certify that I have reviewed the attached documents and, to the best of my knowledge and belief, the submitted information is true and complete and that amounts and values in this report are accurate based upon reasonable estimates using data available to the preparer of the report."
  - (3) Facility name and address including the toxic chemical release inventory facility identification number if known.
  - (4) Name and telephone number for both a technical contact and a public contact.
  - (5) The four-digit SIC ~~code(s)~~code for the facility or establishments in the facility until the reporting year ending December 31, 2005, for which reporting forms are due July 1, 2006. Beginning with the reporting year ending December 31, 2006, for which reporting forms are due July 1, 2007, and for each subsequent reporting year, the six-digit NAICS ~~code(s)~~code for the facility or establishments in the facility.

- (6) Dun and Bradstreet identification number.
- (7) The ~~name(s)~~name of receiving ~~stream(s)~~stream or water body to which the chemical is released.
- (8) Name of the facility's parent company and the parent company's Dunn and Bradstreet identification number.
- (9) Name and chemical abstract number (CAS) (if applicable) of the chemical reported.
- (10) If the chemical identity is claimed trade secret, a generic name for the chemical.
- (11) A mixture component identity if the chemical identity is not known.
- (12) An indication of the activities and uses of the chemical at the facility.
- (13) An indication of the maximum amount of the chemical on site at any point in time during the reporting year.
- (14) Information on releases of the chemical to the environment as follows:
  - (a) An estimate of total releases in pounds (except for dioxin and dioxin-like compounds, which shall be reported in grams) per year (releases of less than one thousand pounds per year may be indicated in ranges, except for chemicals set forth in rule 3745-100-16 of the Administrative Code) from the facility plus an indication of the basis of estimate for the following:
    - (i) Fugitive or non-point air emissions.
    - (ii) Stack or point air emissions
    - (iii) Discharges to receiving streams or water bodies including an indication of the "per cent" of releases due to stormwater.
    - (iv) Underground injection on site.

(v) Releases to land on site.

(b) Additional reporting for the dioxin and dioxin-like compounds category-  
as follows:

(i) For reports pertaining to a reporting year ending on or before December 31, 2007, report a distribution of the chemicals included in the dioxin and dioxin-like compounds category. Such distribution shall either represent the distribution of the total quantity of dioxin and dioxin-like compounds released to all media from the facility; or its one best media-specific distribution.

(ii) For reports pertaining to a reporting year ending after December 31, 2007, report the quantity of each member of the dioxin and dioxin-like compounds category in units of grams per year on Form R Schedule 1.

(15) Information on transfers of chemicals in wastes to off-site locations as follows:

(a) For transfers to publicly owned treatment works (POTW):

(i) The name and address (including county) of each POTW to which the chemical is transferred.

(ii) An estimate of the amount of the chemical transferred in pounds (except for dioxin and dioxin-like compounds, which shall be reported in grams) per year (transfers of less than one thousand pounds per year may be indicated as a range, except for chemicals set forth in rule 3745-100-16 of the Administrative Code) and an indication of the basis of the estimate. In addition, for reports pertaining to a reporting year ending after December 31, 2007, report the quantity of each member of the dioxin and dioxin-like compounds category in units of grams per year on form R schedule 1.

(b) For transfers to other off-site locations:

(i) The name, address (including county), and EPA identification number (RCRA I.D. number) of each off-site location, including an indication of whether the location is owned or controlled by the reporting facility or the parent company.

- (ii) An estimate of the amount of the chemical in waste transferred in pounds (except for dioxin and dioxin-like compounds, which shall be reported in grams) per year (transfers of less than one thousand pounds may be indicated in ranges, except for chemicals set forth in rule 3745-100-16 of the Administrative Code) and an indication of the basis of the estimate. In addition, for reports pertaining to a reporting year ending after December 31, 2007, report the quantity of each member of the dioxin and dioxin-like compounds category in units of grams per year on form R schedule 1.

(16) The following information relative to waste treatment:

- (a) An indication of the general type of wastestream containing the reported chemical.
- (b) The treatment method applied to the wastestream.
- (c) An indication of the concentration of the chemical in the wastestream prior to treatment. An estimate of the efficiency of the treatment, which shall be indicated by a range.
- (d) An indication (use is optional) of whether treatments listed are part of a treatment sequence.

~~(C) The owner or operator subject to the reporting requirements must submit to the Ohio EPA a completed USEPA form R or form R schedule 1 on or before July first of each year in accordance with the instructions in 40 CFR 372.85. Filing requirements. Effective January 21, 2014, facilities that submit TRI reporting forms (without claiming a trade secret), including revisions and withdrawals of TRI reporting forms, to Ohio EPA shall prepare, certify, and submit their data to Ohio EPA electronically, using the TRI online-reporting software provided by USEPA.~~

(1) Ohio EPA will no longer accept non-trade-secret TRI reports, revisions, or withdrawals on paper reporting forms, magnetic media, or CD-ROMs. Information and instructions regarding online reporting are available on the USEPA TRI web site.

(2) Facilities shall submit electronically any revisions or withdrawals of previously submitted TRI reporting forms. Facilities may submit, revise, or withdraw TRI reporting forms for reporting years 1991 through the present reporting year.

- (3) The only exception to the TRI electronic reporting requirement relates to TRI submissions that claim a trade secret (including sanitized and unsanitized reporting forms) and revisions and withdrawals of such TRI submissions, which shall be submitted to USEPA on paper. Facilities may submit, revise, or withdraw these paper trade secret (including sanitized and unsanitized) TRI reporting forms for reporting years 1991 through the present reporting year.
- (D) The director shall prescribe and publish a "Fee Calculation Worksheet" which shall be submitted by owners and operators subject to the reporting requirements.

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3745-100-13

**Trade secret claims.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

The owner or operator of a facility subject to the reporting requirements that claims a trade secret shall conform to ~~paragraphs (A) to (D) of this rule.~~ the following:

- (A) A submitter making a trade secrecy claim under this rule shall submit to entities other than ~~U.S. EPA~~USEPA (e.g. for example, the Ohio EPA, local emergency planning committee and local fire department) only the sanitized or public copy of the submission and substantiation.
- (B) Method of asserting claims of trade secrecy for information submitted under section 313 of the act.
- (1) Submitters may claim as trade secret the specific chemical identity, including the chemical name and other specific identification, of any chemical subject to reporting under section 313.
- (2) To make a claim, the submitter shall submit to ~~U.S. EPA~~USEPA the following:
- (a) An unsanitized copy of the toxic release inventory form under section 313 of the act with the information claimed as trade secret clearly identified. To do this, the submitter shall check the box on the form indicating that the chemical identity is being claimed as a trade secret. The submitter shall enter the generic class or category that is structurally descriptive of the chemical, as specified in paragraph (C) of this rule.
- (b) A sanitized copy of the toxic release inventory form. This copy shall be identical to the document in paragraph (B)(1)(a) of this rule, except that the submitter shall delete the chemical identity claimed as a trade secret. This copy shall also be submitted to the state official or officials designated to receive this information.
- (c) A sanitized and unsanitized substantiation in accordance with 40 CFR 350.7 for every chemical identity claimed as trade secret.
- (3) If the submitter wishes to claim information in the substantiation as trade secret or business confidential, the submitter shall do so in accordance with 40 CFR 350.7(d).

- (4) Section 313 claims shall be sent to the address specified in 40 CFR 350.16.
- (C) Method of choosing a generic class or category for section 313 of the act. A facility owner or operator claiming a chemical identity as a trade secret should choose a generic class or category for the chemical that is structurally descriptive of the chemical.
- (D) If a specific chemical identity is submitted under Title III to ~~U.S. EPA~~ USEPA, or to a state emergency response commission, designated state agency, local emergency planning committee or local fire department, without asserting a trade secret claim, the chemical identity shall be considered to have been voluntarily disclosed and not a trade secret.

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3745-100-14

**Alternate threshold and certification.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

- (A) Except as provided in paragraph (E) of this rule, with respect to the manufacture, process, or otherwise use of a toxic chemical, the owner or operator of a facility may apply an alternate threshold of one million pounds per year to that chemical if the owner or operator calculates that the facility would have an annual reportable amount of that toxic chemical not exceeding five hundred pounds for the combined total quantities released at the facility, disposed within the facility, treated at the facility (as represented by amounts destroyed or converted by treatment processes), recovered at the facility as a result of recycle operations, combusted for the purpose of energy recovery at the facility, and amounts transferred from the facility to off-site locations for the purpose of recycle, energy recovery, treatment, ~~and/or~~ disposal. These volumes correspond to the sum of amounts reportable for data elements on EPA form R (~~EPA form 9350-1; rev. 12/4/93~~)(as referenced in paragraph (A) of rule 3745-100-11 of the Administrative Code) as part II column B or sections 8.1 (quantity released), 8.2 (quantity used for energy recovery on-site), 8.3 (quantity used for energy recovery off-site), 8.4 (quantity recycled on-site), 8.5 (quantity recycled off-site), 8.6 (quantity treated on-site), and 8.7 (quantity treated off-site).
- (B) If an owner or operator of a facility determines that the owner or operator may apply the alternate reporting threshold specified in paragraph (A) of this rule for a specific toxic chemical, the owner or operator is not required to submit a report for that chemical under rule 3745-100-07 of the Administrative Code, but shall submit a certification statement that contains the information required in rule 3745-100-15 of the Administrative Code. The owner or operator of the facility shall also keep records as specified in paragraph (D) of rule 3745-100-03 of the Administrative Code.
- (C) Threshold determination provisions of rule 3745-100-06 of the Administrative Code and exemptions pertaining to threshold determinations in rule 3745-100-08 of the Administrative Code are applicable to the determination of whether the alternate threshold has been met.
- (D) Each certification statement under this chapter for activities involving a toxic chemical that occurred during a calendar year at a facility shall be submitted to Ohio EPA on or before July first of the next year.
- (E) The provisions of this chapter do not apply to any chemicals listed in rule 3745-100-16 of the Administrative Code.

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3745-100-15

**Alternate threshold certification and instructions.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

- (A) Availability of the alternate threshold certification statement and instructions. Availability of the alternate threshold certification statement and instructions is the same as provided in rule 3745-100-11 of the Administrative Code for availability of the reporting form and instructions.
- (B) Alternate threshold certification statement elements. The following information ~~must~~shall be reported on an alternate threshold certification statement pursuant to rule 3745-100-14 of the Administrative Code:
- (1) Reporting year.
  - (2) An indication of whether the chemical identified is being claimed as trade secret.
  - (3) Chemical name and chemical abstract number (CAS) (if applicable) of the chemical, or the category name.
  - (4) Signature of a senior management official certifying the following: "I hereby certify that to the best of my knowledge and belief for the toxic chemical listed in this statement, the annual reportable amount, as defined in paragraph (A) of rule 3745-100-14 of the Administrative Code, did not exceed five hundred pounds for this reporting year and that the chemical was manufactured, or processed, or otherwise used in an amount not exceeding one million pounds during this reporting year."
  - (5) Date signed.
  - (6) Facility name and address.
  - (7) Mailing address of the facility if different than paragraph (B)(6) of this rule.
  - (8) Toxic chemical release inventory facility identification number if known.
  - (9) Name and telephone number of a technical contact.

- (10) The four-digit SIC ~~code(s)~~code for the facility or establishments in the facility until the reporting year ending December 31, 2005, for which reporting forms are due July 1, 2006. Beginning with the reporting year ending December 31, 2006, for which reporting forms are due July 1, 2007, and for each subsequent reporting year, the six-digit NAICS ~~code(s)~~code for the facility or establishments in the facility.
- (11) Dunn and Bradstreet number of the facility.
- (12) Name of the facility's parent company.
- (13) Parent company's Dunn and Bradstreet number.

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3745-100-16

**Lower thresholds for chemicals of special concern.**

(A) Notwithstanding rule 3745-100-06 or 3745-100-14 of the Administrative Code, ~~for the toxic chemicals set forth in this paragraph,~~ the threshold amounts for manufacturing (including importing), processing, and otherwise using ~~such~~ toxic chemicals are as ~~set forth in this rule as follows:~~

(1) Chemicals listed in alphabetic order.

CHEMICAL NAME	CAS NUMBER	REPORTING THRESHOLD (POUNDS)
Aldrin	00309-00-2	100
Benzo(g,h,i)perylene	00191-24-2	10
Chlordane	00057-74-9	10
Heptachlor	00076-44-8	10
Hexachlorobenzene	00118-74-1	10
Isodrin	00465-73-6	10
Lead (this lower threshold does not apply to lead when contained in a stainless steel, brass or bronze alloy)	07439-97-1	100
Mercury	07439-97-6	10
Methoxychlor	00072-43-5	100
Octachlorostyrene	29082-74-4	10
Pendimethalin	40487-42-1	100
Pentachlorobenzene	00608-93-5	10
Polychlorinated biphenyl (PCBs)	01336-36-3	10
Tetrabromobisphenol A	00079-94-7	100
Toxaphene	08001-35-2	10
Trifluralin	01582-09-8	100

(2) Chemical categories in alphabetic order.

CHEMICAL NAME	CAS NUMBER	REPORTING THRESHOLD
Dioxin and dioxin-like compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.) (This category includes only those chemicals listed below).		0.1 grams
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.1 grams
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.1 grams
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.1 grams
1,2,3,6,7,8-Hexachlorodibenzofuran	55117-44-9	0.1 grams
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.1 grams
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.1 grams
1,2,3,4,7,8-Hexachlorodibenzo-P-dioxin	39227-28-6	0.1 grams
1,2,3,6,7,8-Hexachlorodibenzo-P-dioxin	57653-85-7	0.1 grams
1,2,3,7,8,9-Hexachlorodibenzo-P-dioxin	19408-74-3	0.1 grams
1,2,3,4,6,7,8-Hexachlorodibenzo-P-dioxin	35822-46-9	0.1 grams
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	0.1 grams
1,2,3,4,6,7,8,9-Octachlorodibenzo-P-dioxin	03268-87-9	0.1 grams
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.1 grams
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.1 grams
1,2,3,7,8-Pentachlorodibenzo-P-dioxin	40321-76-4	0.1 grams
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.1 grams
2,3,7,8-Tetrachlorodibenzo-P-dioxin	01746-01-6	0.1 grams
Lead Compounds		100 pounds

Mercury Compounds		10 pounds
Polycyclic aromatic compounds (PACs) (This category includes only those chemicals listed below.)		100 pounds
Benz(a)anthracene	00056-55-3	100 pounds
Benzo(b)fluoranthene	00205-99-2	100 pounds
Benzo(j)fluoranthene	00205-82-3	100 pounds
Benzo(k)fluoranthene	00207-08-9	100 pounds
Benzo(j,k)fluorene	00206-44-0	100 pounds
Benzo(r,s,t)pentaphene	00189-55-9	100 pounds
Benzo(a)phenanthrene	00218-01-9	100 pounds
Benzo(a)pyrene	00050-32-8	100 pounds
Dibenz(a,h)acridine	00226-36-8	100 pounds
Dibenz(a,j)acridine	00224-42-0	100 pounds
Dibenzo(a,h)anthracene	00053-70-3	100 pounds
7H-Dibenzo(c,g)carbazole	00194-59-2	100 pounds
Dibenzo(a,e)fluoranthene	05385-75-1	100 pounds
Dibenzo(a,e)pyrene	00192-65-4	100 pounds
Dibenzo(a,h)pyrene	00189-64-0	100 pounds
Dibenzo(a,l)pyrene	00191-30-0	100 pounds
7,12-Dimethylbenz(a)anthracene	00057-97-6	100 pounds
1,6-Dinitropyrene	42397-64-8	100 pounds
1,8-Dinitropyrene	42397-65-9	100 pounds
Indeno[1,2,3-cd]pyrene	00193-39-5	100 pounds
3-Methylcholanthrene	00056-49-5	100 pounds
5-Methylchrysene	03697-24-3	100 pounds

6-Nitrochrysene	07496-02-8	100 pounds
1-Nitropyrene	05522-43-0	100 pounds
4-Nitropyrene	57835-92-4	100 pounds

- (B) The threshold determination provisions under paragraphs (C) to (H) of rule 3745-100-06 of the Administrative Code and the exemptions under paragraphs (B) to (H) of rule 3745-100-08 of the Administrative Code are applicable to the toxic chemicals listed in paragraph (A) of this rule ~~3745-100-16 of the Administrative Code~~.

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3745-100-17

**SIC and NAICS codes to which this chapter applies.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (FF) of rule 3745-100-01 of the Administrative Code titled "Referenced materials."]

The requirements of this chapter apply to facilities in the following SIC and NAICS codes. ~~This rule contains three listings: Paragraph (A) of this rule lists the SIC codes to which this chapter applies. Paragraph (B) of this rule lists the NAICS codes that correspond to SIC codes 20 to 39 to which this chapter applies. Paragraph (C) of this rule lists the NAICS codes that correspond to SIC codes other than SIC codes 20 to 39 to which this chapter applies.~~

**(A) SIC codes applicable to this chapter.**

Major group or industry code	Exceptions <del>and/or</del> limitations
10	Except 1011, 1081, and 1094.
12	Except 1241.
20 to 39	
4911, 4931, 4939	Limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce.
4953	Limited to facilities regulated under the Resource Conservation and Recovery Act.
5169	
5171	
7389	Limited to facilities primarily engaged in solvent recovery services on a contract or fee basis.

**(B) NAICS codes that correspond to SIC codes 20 to 39 applicable to this chapter.**

Subsector code or industry code	Exceptions <del>and/or</del> limitations
<del>113310 Logging</del>	
311 Food Manufacturing	Except 311119-Exception is limited to facilities primarily engaged in Custom Grain Grinding for Animal Feed

	(previously classified under SIC 0723, Crop Preparation Services for Market, Except Cotton Ginning);
	Except <del>311330</del> 311340-Exception is limited to facilities primarily engaged in the retail sale of candy, nuts, popcorn and other confections not for immediate consumption made on the premises (previously classified under SIC 5441, Candy, Nut, and Confectionery Stores);
	Except <del>311340</del> 311352-Exception is limited to facilities primarily engaged in the retail sale of candy, nuts, popcorn and other confections not or immediate consumption made on the premises (previously classified under SIC 5441, Candy, Nut, and Confectionery Stores);
	Except <del>311811</del> 311611-Retail Bakeries (previously classified under SIC 5461, Retail Bakeries); <u>Exception is limited to facilities primarily engaged in Custom Slaughtering for individuals (previously classified under SIC 0751, Livestock Services, Except Veterinary, Slaughtering, custom: for individuals)</u>
	Except <del>311611</del> 311612-Exception is limited to facilities primarily engaged in Custom Slaughtering for individuals (previously classified under SIC 0751, Livestock Services, Except Veterinary, Slaughtering, custom: for individuals); <u>Exception is limited to facilities primarily engaged in the cutting up and resale of purchased fresh carcasses for the trade (including boxed beef), and in the wholesale distribution of fresh, cured, and processed (but not canned) meats and lard (previously classified under SIC 5147, Meats and Meat Products)</u>
	Except <del>311612</del> 311811-Exception is limited to facilities primarily engaged in the cutting up and resale of purchased fresh carcasses for the trade (including boxed beef), and in the wholesale distribution of fresh, cured, and processed (but not canned) meats and lard (previously classified under SIC 5147, Meats and Meat Products); <u>Retail Bakeries (previously classified under SIC 5461, Retail Bakeries)</u>
312 Beverage and Tobacco Product Manufacturing	Except 312112-Exception is limited to facilities primarily engaged in bottling mineral or spring water (previously classified under SIC 5149, Groceries and Related Products, NEC);
	Except <del>312229</del> 312230-Exception is limited to facilities

	primarily engaged in providing Tobacco Sheeting Services (previously classified under SIC 7389, Business Services, NEC);
313 Textile Mills	Except <del>313311</del> <u>313310</u> -Exception is limited to facilities primarily engaged in converting broadwoven piece goods and broadwoven textiles, (previously classified under SIC 5131, Piece Goods Notions, and Other Dry Goods, broadwoven and non-broadwoven piece good converters), and facilities primarily engaged in sponging fabric for tailors and dressmakers (previously classified under SIC 7389, Business Services, NEC (Sponging fabric for tailors and dressmakers));
	<del>Except 313312 Exception is limited to facilities primarily engaged in converting narrow woven Textiles, and narrow woven piece goods, (previously classified under SIC 5131, Piece Goods Notions, and Other Dry Goods, converters, except broadwoven fabric);</del>
314 Textile Product Mills	Except <del>314121</del> <u>314120</u> -Exception is limited to facilities primarily engaged in making Custom drapery for retail sale (previously classified under SIC 5714, Drapery, Curtain, and Upholstery Stores);
	<del>Except 314129 Exception is limited to facilities primarily engaged in making Custom slpeovers for retail sale (previously classified under SIC 5714, Drapery, Curtain, and Upholstery Stores);</del>
	Except 314999-Exception is limited to facilities primarily engaged in Binding carpets and rugs for the trade, Carpet cutting and binding, and Embroidering on textile products (except apparel) for the trade (previously classified under SIC 7389, Business Services Not Elsewhere Classified, Embroidering of advertising on shirts and Rug binding for the trade);
315 Apparel Manufacturing	Except <del>315222</del> <u>315220</u> -Exception is limited to custom tailors primarily engaged in making and selling men's and boys' suits, cut and sewn from purchased fabric (previously classified under SIC 5699, Miscellaneous Apparel and Accessory Stores (custom tailors)); <u>Exception is limited to custom tailors primarily engaged in making and selling men's and boys' suits, men's and boys' dress shirts, and bridal dresses or gowns or women's, misses' and girls' dresses, cut and sewn from purchased fabric (previously classified under SIC 5699, Miscellaneous Apparel and Accessory Stores (custom tailors))</u>

	<u>and to custom tailors primarily engaged in making and selling bridal dresses or gowns, or women's, misses' and girls' dresses cut and sewn from purchased fabric (except apparel contractors) (custom dressmakers) (previously classified under SIC Code 5699, Miscellaneous Apparel and Accessory Stores)</u>
	<del>Except 315223-Exception is limited to custom tailors primarily engaged in making and selling men's and boys' dress shirts, cut and sewn from purchased fabric (previously classified under SIC 5699, Miscellaneous Apparel and Accessory Stores (custom tailors));</del>
	<del>Except 315233-Exception is limited to custom tailors primarily engaged in making and selling bridal dresses or gowns, or women's, misses' and girls' dresses cut and sewn from purchased fabric (except apparel contractors)(custom dressmakers) (previously classified under SIC Code 5699, Miscellaneous Apparel and Accessory Stores);</del>
316 Leather and Allied Product Manufacturing	
321 Wood Product Manufacturing	
322 Paper Manufacturing	
323 Printing and Related Support Activities	<del>Except 323114</del> <u>323111-Exception is limited to facilities primarily engaged in reproducing text, drawings, plans, maps, or other copy, by blueprinting, photocopying, mimeographing, or other methods of duplication other than printing or microfilming (i.e., instant printing) (previously classified under SIC 7334, Photocopying and Duplicating Services, (instant printing));</u>
324 Petroleum and Coal Products Manufacturing	
325 Chemical Manufacturing	<del>Except 325998-Exception is limited to facilities primarily engaged in Aerosol can filling on a job order or contract basis (previously classified under SIC 7389, Business Services, NEC (aerosol packaging));</del>
326 Plastics and Rubber Products Manufacturing	<del>Except 326212-Tire Retreading, (previously classified under SIC 7534, Tire Retreading and Repair Shops (rebuilding));</del>
327 Nonmetallic Mineral	<del>Except 327112</del> <u>327110-Exception is limited to facilities</u>

Product Manufacturing	primarily engaged in manufacturing and selling pottery on site (previously classified under SIC 5719, Miscellaneous Homefurnishing Stores);
331 Primary Metal Manufacturing	
332 Fabricated Metal Product Manufacturing	
333 Machinery Manufacturing	
334 Computer and Electronic Product Manufacturing	Except <del>334611</del> <u>334614-Software Reproducing</u> (previously classified under SIC 7372, Prepackaged Software, (reproduction of software)); <u>Exception is limited to facilities primarily engaged in Software Reproducing (previously classified under SIC 7372, Prepackaged Software, (reproduction of software)) and to facilities primarily engaged in mass reproducing pre-recorded Video cassettes, and mass reproducing Video tape or disk (previously classified under SIC 7819, Services Allied to Motion Picture Production (reproduction of Video))</u>
	<del>Except 334612-Exception is limited to facilities primarily engaged in mass reproducing pre-recorded Video cassettes, and mass reproducing Video tape or disk (previously classified under SIC 7819, Services Allied to Motion Picture Production (reproduction of Video));</del>
335 Electrical Equipment, Appliance, and Component Manufacturing	Except 335312-Exception is limited to facilities primarily engaged in armature rewinding on a factory basis (previously classified under SIC 7694 (Armature Rewinding Shops (remanufacturing)));
336 Transportation Equipment Manufacturing	
337 Furniture and Related Product Manufacturing	Except 337110-Exception is limited to facilities primarily engaged in the retail sale of household furniture and that manufacture custom wood kitchen cabinets and counter tops (previously classified under SIC 5712, Furniture Stores (custom wood cabinets));
	Except 337121-Exception is limited to facilities primarily engaged in the retail sale of household furniture and that

	manufacture custom made upholstered household furniture (previously classified under SIC 5712, Furniture Stores (upholstered, custom made furniture));
	Except 337122-Exception is limited to facilities primarily engaged in the retail sale of household furniture and that manufacture nonupholstered, household type, custom wood furniture (previously classified under SIC 5712, Furniture Stores (custom made wood nonupholstered household furniture except cabinets));
339 Miscellaneous Manufacturing	Except 339113-Exception is limited to facilities primarily engaged in manufacturing orthopedic devices to prescription in a retail environment (previously classified under SIC 5999, Miscellaneous Retail Stores, NEC);
	Except 339115-Exception is limited to lens grinding facilities that are primarily engaged in the retail sale of eyeglasses and contact lenses to prescription for individuals (previously classified under SIC 5995, Optical Goods Stores (optical laboratories grinding of lenses to prescription));
	Except 339116-Dental Laboratories (previously classified under SIC 8072, Dental Laboratories);
111998 All Other Miscellaneous Crop Farming	Limited to facilities primarily engaged in reducing maple sap to maple syrup (previously classified under SIC 2099, Food Preparations, NEC, Reducing Maple Sap to Maple Syrup);
<u>113310 Logging</u>	
211112 Natural Gas Liquid Extraction	Limited to facilities that recover sulfur from natural gas (previously classified under SIC 2819, Industrial Inorganic chemicals, NEC (recovering sulfur from natural gas));
212324 Kaolin and Ball Clay Mining	Limited to facilities operating without a mine or quarry and that are primarily engaged in beneficiating kaolin and clay (previously classified under SIC 3295, Minerals and Earths, Ground or Otherwise Treated (grinding, washing, separating, etc. of minerals in SIC 1455));
212325 Mining	Limited to facilities operating without a mine or quarry and that are primarily engaged in beneficiating clay and ceramic and refractory minerals (previously classified under SIC 3295, Minerals and Earths, Ground or Otherwise Treated (grinding, washing, separating, etc. of minerals in SIC 1459));

212393 Other Chemical and Fertilizer Mineral Mining	Limited to facilities operating without a mine or quarry and that are primarily engaged in beneficiating chemical or fertilizer mineral raw materials (previously classified under SIC 3295, Minerals and Earths, Ground or Otherwise Treated (grinding, washing, separating, etc. of minerals in SIC 1479));
212399 All other Nonmetallic Mineral Mining	Limited to facilities operating without a mine or quarry and that are primarily engaged in beneficiating nonmetallic minerals (previously classified under SIC 3295, Minerals and Earths, Ground or Otherwise Treated (grinding, washing, separating, etc. of minerals in SIC 1499));
488390 Other Support Activities for Water Transportation	Limited to facilities that are primarily engaged in providing routine repair and maintenance of ships and boats from floating drydocks (previously classified under SIC 3731, Shipbuilding and Repairing (floating drydocks not associated with a shipyard));
511110 Newspaper Publishing	
511120 Periodical Publishing	
511130 Book Publishers	
511140 Directory and Mailing List Publishers	Except facilities that are primarily engaged in furnishing services for direct mail advertising including Address list compilers, Address list publishers, Address list publishers and printing combined, Address list publishing , Business directory publishers, Catalog of collections publishers, Catalog of collections publishers and printing combined, Mailing list compilers, Directory compilers, and Mailing list compiling services (previously classified under SIC 7331, Direct Mail Advertising Services (mailing list compilers));
511191 Greeting Card Publishers	
511199 All Other Publishers	
512220 Integrated Record Production/Distribution	
512230 Music Publishers	Except facilities primarily engaged in Music copyright

	authorizing use, Music copyright buying and licensing, and Music publishers working on their own account (previously classified under SIC 8999, Services, NEC (music publishing));
519130 Internet Publishing and Broadcasting and Web Search Portals	Limited to facilities primarily engaged in Internet newspaper publishing (previously classified under SIC 2711, Newspapers: Publishing, or Publishing and Printing), Internet periodical publishing (previously classified under SIC 2721, Periodicals: Publishing, or Publishing and Printing), Internet book publishing (previously classified under SIC 2731, Books: Publishing, or Publishing and Printing), Miscellaneous Internet publishing (previously classified under SIC 2741, Miscellaneous Publishing), Internet greeting card publishers (previously classified under SIC 2771, Greeting Cards); Except for facilities primarily engaged in web search portals;
541712 Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)	Limited to facilities that are primarily engaged in Guided missile and space vehicle engine research and development (previously classified under SIC 3764, Guided Missile and Space Vehicle Propulsion Units and Propulsion Unit Parts), and in Guided missile and space vehicle parts (except engines) research and development (previously classified under SIC 3769, Guided Missile and Space Vehicle Parts and Auxiliary Equipment, Not Elsewhere Classified);
811490 Other Personal and Household Goods Repair and Maintenance	Limited to facilities that are primarily engaged in repairing and servicing pleasure and sail boats without retailing new boats (previously classified under SIC 3732, Boat Building and Repairing (pleasure boat building));

(C) NAICS codes that correspond to SIC codes other than SIC codes 20 to 39.

Subsector or industry code	exceptions <del>and/or</del> limitations
212111 Bituminous Coal and Lignite Surface Mining	
212112 Bituminous Coal and Underground Mining	
212113 Anthracite Mining	
212221 Gold Ore Mining	
212222 Silver Ore Mining	

212231 Lead Ore and Zinc Ore Mining	
212234 Copper Ore and Nickel Ore Mining	
212299 Other Metal Ore Mining	
221111 Hydroelectric Power Generation	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
221112 Fossil Fuel electric Power Generation	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
221113 Nuclear electric Power Generation	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
<del>221119</del> 221118 Other electric Power Generation	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
221121 Electric Bulk Power Transmission and Control	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
221122 Electric Power Distribution	Limited to facilities that combust coal <del>and/or</del> oil for the purpose of generating power for distribution in commerce.
221330 Steam and Air Conditioning Supply	Limited to facilities engaged in providing combinations of electric, gas, and other services, not elsewhere classified (N.E.C.) (previously classified under SIC 4939, Combination Utility Services Not Elsewhere Classified.)
424690 Other Chemical and Allied Products Merchant Wholesalers	
424710 Petroleum Bulk Stations and Terminals	
425110 Business to Business Electronic Markets	Limited to facilities previously classified in SIC 5169, Chemicals and Allied Products, Not Elsewhere Classified.
425120 Wholesale Trade Agents and	Limited to facilities previously classified in

Brokers	SIC 5169, Chemicals and Allied Products, Not Elsewhere Classified.
562112 Hazardous Waste Collection	Limited to facilities primarily engaged in solvent recovery services on a contract or fee basis (previously classified under SIC 7389, Business Services, NEC).
562211 Hazardous Waste Treatment and Disposal	Limited to facilities regulated under the Resource Conservation and Recovery Act.
562212 Solid Waste Landfill	Limited to facilities regulated under the Resource Conservation and Recovery Act.
562213 Solid Waste Combustors and Incinerators	Limited to facilities regulated under the Resource Conservation and Recovery Act.
562219 Other Nonhazardous Waste Treatment and Disposal	Limited to facilities regulated under the Resource Conservation and Recovery Act.
562920 Materials Recovery Facilities	Limited to facilities regulated under the Resource Conservation and Recovery Act.

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