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Title 40 —Protection of Environment
Chapter I —Environmental Protection Agency
Subchapter R —Toxic Substances Control Act

Part 711 TSCA Chemical Data Reporting Requirements

- § 711.1 Scope, compliance, and enforcement.
- § 711.3 Definitions.
- § 711.5 Chemical substances for which information must be reported.
- § 711.6 Chemical substances for which information is not required.
- § 711.8 Persons who must report.
- § 711.9 Persons not subject to this part.
- § 711.10 Activities for which reporting is not required.
- § 711.15 Reporting information to EPA.
- § 711.20 When to report.
- § 711.22 Duplicative reporting.
- § 711.25 Recordkeeping requirements.
- § 711.30 Confidentiality claims.
- § 711.35 Electronic filing.

PART 711—TSCA CHEMICAL DATA REPORTING REQUIREMENTS

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

Source: 76 FR 54933, Sept. 6, 2011, unless otherwise noted.

§ 711.1 Scope, compliance, and enforcement.

- (a) This subpart specifies reporting and recordkeeping procedures under section 8(a) of the Toxic Substances Control Act (TSCA) (15 U.S.C. 2607(a)) for certain manufacturers (including importers) of chemical substances. TSCA section 8(a) authorizes the EPA Administrator to require reporting of information necessary for the administration of TSCA.
- (b) This part applies to the activities associated with the periodic update of information on a subset of the chemical substances included on the TSCA Inventory.
- (c) TSCA section 15(3) makes it unlawful for any person to fail or refuse to submit information required under this part. In addition, TSCA section 15(3) makes it unlawful for any person to fail to keep, and permit access to, records required by this part. Section 16 of TSCA provides that any person who violates a provision of TSCA section 15 is liable to the United States for a civil penalty and may be criminally prosecuted. Pursuant to TSCA section 17, the Federal Government may seek judicial relief to compel submission of TSCA section 8(a) information and to otherwise restrain any violation of TSCA section 15.

(EPA does not intend to concentrate its enforcement efforts on insignificant clerical errors in reporting.) TSCA section 11 allows for inspections to assure compliance, and the Administrator may by subpoena require the attendance and testimony of witnesses and the production of reports, papers, documents, answers to questions, and other information that the Administrator deems necessary.

- (d) Each person who reports under this part must maintain records that document information reported under this part and, in accordance with TSCA, permit access to, and the copying of, such records by EPA officials.

[76 FR 54933, Sept. 6, 2011, as amended at 85 FR 20138, Apr. 9, 2020]

§ 711.3 Definitions.

The definitions in this section and the definitions in TSCA section 3 apply to this part. In addition, the definitions in 40 CFR 704.3 also apply to this part, except the definitions *manufacture* and *manufacturer* in 40 CFR 704.3.

CDX or Central Data Exchange means EPA's centralized electronic document receiving system, or its successors.

Commercial use means the use of a chemical substance or a mixture containing a chemical substance (including as part of an article) in a commercial enterprise providing saleable goods or services.

Consumer use means the use of a chemical substance or a mixture containing a chemical substance (including as part of an article) when sold to or made available to consumers for their use.

e-CDRweb means the electronic, web-based tool provided by EPA for the completion of Form U and submission of the CDR data.

Highest-level parent company means the highest-level company of the site's ownership hierarchy as of the start of the submission period during which data are being reported according to the following instructions. The highest-level U.S. parent company is located within the United States while the highest-level foreign parent company is located outside the United States. The following rules govern how to identify the highest-level U.S. parent company and highest-level foreign parent company (if applicable):

- (1) If the site is entirely owned by a single U.S. company that is not owned by another company, that single company is the U.S. parent company.
- (2) If the site is entirely owned by a single U.S. company that is, itself, owned by another U.S.-based company (e.g., it is a division or subsidiary of a higher-level company), the highest-level domestic company in the ownership hierarchy is the United States parent company. If there is a higher-level parent company that is outside of the United States, the highest-level foreign company in the ownership hierarchy is the foreign parent company.
- (3) If the site is owned by more than one company (e.g., company A owns 40 percent, company B owns 35 percent, and company C owns 25 percent), the company with the largest ownership interest in the site is the parent company. If a higher-level company in the ownership hierarchy owns more than one ownership company, then determine the entity with the largest ownership by considering the lower-level ownerships in combination (e.g., corporation x owns companies B and C, for a total ownership of 60 percent for the site).

- (i) If the parent company is a U.S. company owned by another U.S. company, then the highest-level domestic company in the ownership hierarchy is the U.S. parent company. If the U.S. parent company has a higher-level foreign company in the ownership hierarchy, then the highest-level foreign company in the ownership hierarchy is the foreign parent company.
 - (ii) If the parent company is a foreign company, then the site is its own U.S. parent company and the foreign parent company is the highest-level foreign company in the ownership hierarchy.
- (4) If the site is owned by a 50:50 joint venture or a cooperative, the joint venture or cooperative is its own parent company. If the site is owned by a U.S. joint venture or cooperative, the highest level of the joint venture or cooperative is the U.S. parent company. If the site is owned by a joint venture or cooperative outside the United States, the highest level of the joint venture or cooperative outside the United States is the foreign parent company.
 - (5) If the site is entirely owned by a foreign company (i.e., without a U.S.-based subsidiary within the site's ownership hierarchy), the highest-level foreign company in the ownership hierarchy is the site's foreign parent company.
 - (6) If the site is federally owned, the highest-level federal agency or department is the U.S. parent company.
 - (7) If the site is owned by a non-federal public entity, that entity (such as a municipality, State, or tribe) is the U.S. parent company.

Industrial function means the intended physical or chemical characteristic for which a chemical substance or mixture is consumed as a reactant; incorporated into a formulation, mixture, reaction product, or article; repackaged; or used.

Industrial use means use at a site at which one or more chemical substances or mixtures are manufactured (including imported) or processed.

Intended for use by children means the chemical substance or mixture is used in or on a product that is specifically intended for use by children age 14 or younger. A chemical substance or mixture is intended for use by children when the submitter answers “yes” to at least one of the following questions for the product into which the submitter's chemical substance or mixture is incorporated:

- (1) Is the product commonly recognized (i.e., by a reasonable person) as being intended for children age 14 or younger?
- (2) Does the manufacturer of the product state through product labeling or other written materials that the product is intended for or will be used by children age 14 or younger?
- (3) Is the advertising, promotion, or marketing of the product aimed at children age 14 or younger?

Manufacture means to manufacture, produce, or import, for commercial purposes. Manufacture includes the extraction, for commercial purposes, of a component chemical substance from a previously existing chemical substance or complex combination of chemical substances. A chemical substance is co-manufactured by the person who physically performs the manufacturing and the person contracting for such production when that chemical substance, manufactured other than by import, is:

- (1) Produced exclusively for another person who contracts for such production, and
- (2) That other person dictates the specific chemical identity of the chemical substance and controls the total amount produced and the basic technology for the manufacturing process.

Manufacturer means a person who manufactures a chemical substance.

Master Inventory File means EPA's comprehensive list of chemical substances which constitutes the TSCA Inventory compiled under TSCA section 8(b). It includes chemical substances reported under 40 CFR part 710 and substances reported under 40 CFR part 720 for which a Notice of Commencement of Manufacture or Import has been received under 40 CFR 720.120.

Principal reporting year means the latest complete calendar year preceding the submission period.

Reasonably likely to be exposed means an exposure to a chemical substance which, under foreseeable conditions of manufacture (including import), processing, distribution in commerce, or use of the chemical substance, is more likely to occur than not to occur. Such exposures would normally include, but would not be limited to, activities such as charging reactor vessels, drumming, bulk loading, cleaning equipment, maintenance operations, materials handling and transfers, and analytical operations. Covered exposures include exposures through any route of entry (inhalation, ingestion, skin contact, absorption, etc.), but excludes accidental or theoretical exposures.

Repackaging means the physical transfer of a chemical substance or mixture, as is, from one container to another container or containers in preparation for distribution of the chemical substance or mixture in commerce.

Reportable chemical substance means a chemical substance described in § 711.5.

Site means a contiguous property unit. Property divided only by a public right-of-way shall be considered one site. More than one manufacturing plant may be located on a single site.

- (1) For chemical substances manufactured under contract, *i.e.*, by a co-manufacturer, the site is the location where the chemical substance is physically manufactured.
- (2) The site for an importer who imports a chemical substance described in § 711.5 is the U.S. site of the operating unit within the person's organization that is directly responsible for importing the chemical substance. The import site, in some cases, may be the organization's headquarters in the United States. If there is no such operating unit or headquarters in the United States, the site address for the importer is the U.S. address of an agent acting on behalf of the importer who is authorized to accept service of process for the importer.
- (3) For portable manufacturing units sent to different locations from a single distribution center, the distribution center shall be considered the site.

Site-limited means a chemical substance is manufactured and processed only within a site and is not distributed for commercial purposes as a chemical substance or as part of a mixture or article outside the site. Imported chemical substances are never site-limited. Although a site-limited chemical substance is not distributed for commercial purposes outside the site at which it is manufactured and processed, the chemical substance is considered to have been manufactured and processed for commercial purposes.

Submission period means the period in which the manufacturing, processing, and use data are submitted to EPA.

Use means any utilization of a chemical substance or mixture that is not otherwise covered by the terms manufacture or process. Relabeling or redistributing a container holding a chemical substance or mixture where no repackaging of the chemical substance or mixture occurs does not constitute use or processing of the chemical substance or mixture.

[76 FR 54933, Sept. 6, 2011, as amended at 85 FR 20138, Apr. 9, 2020]

§ 711.5 Chemical substances for which information must be reported.

Any chemical substance that is in the Master Inventory File at the beginning of a submission period described in § 711.20, unless the chemical substance is specifically excluded by § 711.6.

§ 711.6 Chemical substances for which information is not required.

The following groups or categories of chemical substances are exempted from some or all of the reporting requirements of this part, with the following exception: A chemical substance described in paragraph (a)(1), (2), or (4), or (b) of this section is not exempted from any of the reporting requirements of this part if that chemical substance is the subject of a rule proposed or promulgated under TSCA sections 4, 5(a)(2), 5(b)(4), or 6, or is the subject of an enforceable consent agreement (ECA) developed under the procedures of 40 CFR part 790, or is the subject of an order issued under TSCA sections 4, 5(e), or 5(f), or is the subject of relief that has been granted under a civil action under TSCA sections 5 or 7.

(a) **Full exemptions.** The following categories of chemical substances are exempted from the reporting requirements of this part.

(1) **Polymers.**

- (i) Any chemical substance described with the word fragments “*polym,” “*alkyd,” or “*oxylated” in the Chemical Abstracts (CA) Index Name in the Master Inventory File, where the asterisk (*) in the listed word fragments indicates that any sets of characters may precede, or follow, the character string defined.
- (ii) Any chemical substance that is identified in the Master Inventory File as an enzyme, lignin, a polysaccharide (cellulose, gum, starch), a protein (albumin, casein, gelatin, gluten, hemoglobin), rubber, siloxane and silicone, or silsesquioxane.
- (iii) This exclusion does not apply to a polymeric substance that has been depolymerized, hydrolyzed, or otherwise chemically modified, except in cases where the intended product of this reaction is totally polymeric in structure.

(2) **Microorganisms.** Any combination of chemical substances that is a living organism, and that meets the definition of *microorganism* at 40 CFR 725.3. Any chemical substance produced from a living microorganism is reportable under this part unless otherwise excluded.

(3) **Naturally occurring chemical substances.** Any naturally occurring chemical substance, as described in 40 CFR 710.4(b). The applicability of this exclusion is determined in each case by the specific activities of the person who manufactures the chemical substance in question. Some chemical substances can be manufactured both as described in 40 CFR 710.4(b) and by means other than those described in 40 CFR 710.4(b). If a person described in § 711.8 manufactures a chemical substance by means other than those described in 40 CFR 710.4(b), the person must report regardless of whether the chemical substance also could have been produced as described in 40 CFR 710.4(b). Any chemical substance that is produced from such a naturally occurring chemical substance described in 40 CFR 710.4(b) is reportable unless otherwise excluded.

(4) **Water and certain forms of natural gas.** Chemical substances with the following Chemical Abstracts Service Registry Number (CASRN): CASRN 7732-18-5, water; CASRN 8006-14-2, natural gas; CASRN 8006-61-9, gasoline, natural; CASRN 64741-48-6, natural gas (petroleum), raw liq. mix; CASRN 68410-63-9, natural gas, dried; CASRN 68425-31-0, gasoline (natural gas), natural; and CASRN 68919-39-1, natural gas condensates.

(b) **Partial exemptions.** The following groups of chemical substances are partially exempted from the reporting requirements of this part (i.e., the information described in § 711.15(b)(4) need not be reported for these chemical substances). Such chemical substances are not excluded from the other reporting requirements under this part.

(1) **Petroleum process streams.** EPA has designated the chemical substances listed in Table 1 of this paragraph by CASRN, as partially exempt from reporting under the CDR.

**TABLE 1—CASRNs OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED
“PETROLEUM PROCESS STREAMS” FOR PURPOSES OF TSCA CHEMICAL DATA
REPORTING**

CASRN	Product
8002-05-9	Petroleum.
8002-74-2	Paraffin waxes and hydrocarbon waxes.
8006-20-0	Fuel gases, low and medium B.T.U.
8008-20-6	Kerosine (petroleum).
8009-03-8	Petrolatum.
8012-95-1	Paraffin oils.
8030-30-6	Naphtha.
8032-32-4	Ligroine.
8042-47-5	White mineral oil (petroleum).
8052-41-3	Stoddard solvent.
8052-42-4	Asphalt.
61789-60-4	Pitch.
63231-60-7	Paraffin waxes and hydrocarbon waxes, microcryst.
64741-41-9	Naphtha (petroleum), heavy straight-run.
64741-42-0	Naphtha (petroleum), full-range straight-run.
64741-43-1	Gas oils (petroleum), straight-run.
64741-44-2	Distillates (petroleum), straight-run middle.
64741-45-3	Residues (petroleum), atm. tower.
64741-46-4	Naphtha (petroleum), light straight-run.
64741-47-5	Natural gas condensates (petroleum).
64741-49-7	Condensates (petroleum), vacuum tower.
64741-50-0	Distillates (petroleum), light paraffinic.
64741-51-1	Distillates (petroleum), heavy paraffinic.

CASRN	Product
64741-52-2	Distillates (petroleum), light naphthenic.
64741-53-3	Distillates (petroleum), heavy naphthenic.
64741-54-4	Naphtha (petroleum), heavy catalytic cracked.
64741-55-5	Naphtha (petroleum), light catalytic cracked.
64741-56-6	Residues (petroleum), vacuum.
64741-57-7	Gas oils (petroleum), heavy vacuum.
64741-58-8	Gas oils (petroleum), light vacuum.
64741-59-9	Distillates (petroleum), light catalytic cracked.
64741-60-2	Distillates (petroleum), intermediate catalytic cracked.
64741-61-3	Distillates (petroleum), heavy catalytic cracked.
64741-62-4	Clarified oils (petroleum), catalytic cracked.
64741-63-5	Naphtha (petroleum), light catalytic reformed.
64741-64-6	Naphtha (petroleum), full-range alkylate.
64741-65-7	Naphtha (petroleum), heavy alkylate.
64741-66-8	Naphtha (petroleum), light alkylate.
64741-67-9	Residues (petroleum), catalytic reformer fractionator.
64741-68-0	Naphtha (petroleum), heavy catalytic reformed.
64741-69-1	Naphtha (petroleum), light hydrocracked.
64741-70-4	Naphtha (petroleum), isomerization.
64741-73-7	Distillates (petroleum), alkylate.
64741-74-8	Naphtha (petroleum), light thermal cracked.
64741-75-9	Residues (petroleum), hydrocracked.
64741-76-0	Distillates (petroleum), heavy hydrocracked.
64741-77-1	Distillates (petroleum), light hydrocracked.
64741-78-2	Naphtha (petroleum), heavy hydrocracked.
64741-79-3	Coke (petroleum).
64741-80-6	Residues (petroleum), thermal cracked.
64741-81-7	Distillates (petroleum), heavy thermal cracked.
64741-82-8	Distillates (petroleum), light thermal cracked.
64741-83-9	Naphtha (petroleum), heavy thermal cracked.
64741-84-0	Naphtha (petroleum), solvent-refined light.
64741-85-1	Raffinates (petroleum), sorption process.
64741-86-2	Distillates (petroleum), sweetened middle.
64741-87-3	Naphtha (petroleum), sweetened.
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic.
64741-89-5	Distillates (petroleum), solvent-refined light paraffinic.
64741-90-8	Gas oils (petroleum), solvent-refined.
64741-91-9	Distillates (petroleum), solvent-refined middle.
64741-92-0	Naphtha (petroleum), solvent-refined heavy.

CASRN	Product
64741-95-3	Residual oils (petroleum), solvent deasphalted.
64741-96-4	Distillates (petroleum), solvent-refined heavy naphthenic.
64741-97-5	Distillates (petroleum), solvent-refined light naphthenic.
64741-98-6	Extracts (petroleum), heavy naphtha solvent.
64741-99-7	Extracts (petroleum), light naphtha solvent.
64742-01-4	Residual oils (petroleum), solvent-refined.
64742-03-6	Extracts (petroleum), light naphthenic distillate solvent.
64742-04-7	Extracts (petroleum), heavy paraffinic distillate solvent.
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent.
64742-06-9	Extracts (petroleum), middle distillate solvent.
64742-07-0	Raffinates (petroleum), residual oil decarbonization.
64742-08-1	Raffinates (petroleum), heavy naphthenic distillate decarbonization.
64742-09-2	Raffinates (petroleum), heavy paraffinic distillate decarbonization.
64742-10-5	Extracts (petroleum), residual oil solvent.
64742-11-6	Extracts (petroleum), heavy naphthenic distillate solvent.
64742-12-7	Gas oils (petroleum), acid-treated.
64742-13-8	Distillates (petroleum), acid-treated middle.
64742-14-9	Distillates (petroleum), acid-treated light.
64742-15-0	Naphtha (petroleum), acid-treated.
64742-16-1	Petroleum resins.
64742-18-3	Distillates (petroleum), acid-treated heavy naphthenic.
64742-19-4	Distillates (petroleum), acid-treated light naphthenic.
64742-20-7	Distillates (petroleum), acid-treated heavy paraffinic.
64742-21-8	Distillates (petroleum), acid-treated light paraffinic.
64742-22-9	Naphtha (petroleum), chemically neutralized heavy.
64742-23-0	Naphtha (petroleum), chemically neutralized light.
64742-24-1	Sludges (petroleum), acid.
64742-25-2	Lubricating oils (petroleum), acid-treated spent.
64742-26-3	Hydrocarbon waxes (petroleum), acid-treated.
64742-27-4	Distillates (petroleum), chemically neutralized heavy paraffinic.
64742-28-5	Distillates (petroleum), chemically neutralized light paraffinic.
64742-29-6	Gas oils (petroleum), chemically neutralized.
64742-30-9	Distillates (petroleum), chemically neutralized middle.
64742-31-0	Distillates (petroleum), chemically neutralized light.
64742-32-1	Lubricating oils (petroleum), chemically neutralized spent.
64742-33-2	Hydrocarbon waxes (petroleum), chemically neutralized.
64742-34-3	Distillates (petroleum), chemically neutralized heavy naphthenic.
64742-35-4	Distillates (petroleum), chemically neutralized light naphthenic.
64742-36-5	Distillates (petroleum), clay-treated heavy paraffinic.

CASRN	Product
64742-37-6	Distillates (petroleum), clay-treated light paraffinic.
64742-38-7	Distillates (petroleum), clay-treated middle.
64742-39-8	Neutralizing agents (petroleum), spent sodium carbonate.
64742-40-1	Neutralizing agents (petroleum), spent sodium hydroxide.
64742-41-2	Residual oils (petroleum), clay-treated.
64742-42-3	Hydrocarbon waxes (petroleum), clay-treated microcryst.
64742-43-4	Paraffin waxes (petroleum), clay-treated.
64742-44-5	Distillates (petroleum), clay-treated heavy naphthenic.
64742-45-6	Distillates (petroleum), clay-treated light naphthenic.
64742-46-7	Distillates (petroleum), hydrotreated middle.
64742-47-8	Distillates (petroleum), hydrotreated light.
64742-48-9	Naphtha (petroleum), hydrotreated heavy.
64742-49-0	Naphtha (petroleum), hydrotreated light.
64742-50-3	Lubricating oils (petroleum), clay-treated spent.
64742-51-4	Paraffin waxes (petroleum), hydrotreated.
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic.
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic.
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic.
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic.
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic.
64742-57-0	Residual oils (petroleum), hydrotreated.
64742-58-1	Lubricating oils (petroleum), hydrotreated spent.
64742-59-2	Gas oils (petroleum), hydrotreated vacuum.
64742-60-5	Hydrocarbon waxes (petroleum), hydrotreated microcryst.
64742-61-6	Slack wax (petroleum).
64742-62-7	Residual oils (petroleum), solvent-dewaxed.
64742-63-8	Distillates (petroleum), solvent-dewaxed heavy naphthenic.
64742-64-9	Distillates (petroleum), solvent-dewaxed light naphthenic.
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic.
64742-67-2	Foots oil (petroleum).
64742-68-3	Naphthenic oils (petroleum), catalytic dewaxed heavy.
64742-69-4	Naphthenic oils (petroleum), catalytic dewaxed light.
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy.
64742-71-8	Paraffin oils (petroleum), catalytic dewaxed light.
64742-72-9	Distillates (petroleum), catalytic dewaxed middle.
64742-73-0	Naphtha (petroleum), hydrodesulfurized light.
64742-75-2	Naphthenic oils (petroleum), complex dewaxed heavy.
64742-76-3	Naphthenic oils (petroleum), complex dewaxed light.
64742-78-5	Residues (petroleum), hydrodesulfurized atmospheric tower.

CASRN	Product
64742-79-6	Gas oils (petroleum), hydrodesulfurized.
64742-80-9	Distillates (petroleum), hydrodesulfurized middle.
64742-81-0	Kerosine (petroleum), hydrodesulfurized.
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy.
64742-83-2	Naphtha (petroleum), light steam-cracked.
64742-85-4	Residues (petroleum), hydrodesulfurized vacuum.
64742-86-5	Gas oils (petroleum), hydrodesulfurized heavy vacuum.
64742-87-6	Gas oils (petroleum), hydrodesulfurized light vacuum.
64742-88-7	Solvent naphtha (petroleum), medium aliph.
64742-89-8	Solvent naphtha (petroleum), light aliph.
64742-90-1	Residues (petroleum), steam-cracked.
64742-91-2	Distillates (petroleum), steam-cracked.
64742-92-3	Petroleum resins, oxidized.
64742-93-4	Asphalt, oxidized.
64742-94-5	Solvent naphtha (petroleum), heavy arom.
64742-95-6	Solvent naphtha (petroleum), light arom.
64742-96-7	Solvent naphtha (petroleum), heavy aliph.
64742-97-8	Distillates (petroleum), oxidized heavy.
64742-98-9	Distillates (petroleum), oxidized light.
64742-99-0	Residual oils (petroleum), oxidized.
64743-00-6	Hydrocarbon waxes (petroleum), oxidized.
64743-01-7	Petrolatum (petroleum), oxidized.
64743-02-8	Alkenes, C>10 .alpha.-.
64743-03-9	Phenols (petroleum).
64743-04-0	Coke (petroleum), recovery.
64743-05-1	Coke (petroleum), calcined.
64743-06-2	Extracts (petroleum), gas oil solvent.
64743-07-3	Sludges (petroleum), chemically neutralized.
64754-89-8	Naphthenic acids (petroleum), crude.
64771-71-7	Paraffins (petroleum), normal C>10.
64771-72-8	Paraffins (petroleum), normal C5-20.
67254-74-4	Naphthenic oils.
67674-12-8	Residual oils (petroleum), oxidized, compounds with triethanolamine.
67674-13-9	Petrolatum (petroleum), oxidized, partially deacidified.
67674-15-1	Petrolatum (petroleum), oxidized, Me ester.
67674-16-2	Hydrocarbon waxes (petroleum), oxidized, partially deacidified.
67674-17-3	Distillates (petroleum), oxidized light, compounds with triethanolamine.
67674-18-4	Distillates (petroleum), oxidized light, Bu esters.
67891-79-6	Distillates (petroleum), heavy arom.

CASRN	Product
67891-80-9	Distillates (petroleum), light arom.
67891-81-0	Distillates (petroleum), oxidized light, potassium salts.
67891-82-1	Hydrocarbon waxes (petroleum), oxidized, compounds with ethanolamine.
67891-83-2	Hydrocarbon waxes (petroleum), oxidized, compounds with isopropanolamine.
67891-85-4	Hydrocarbon waxes (petroleum), oxidized, compounds with triisopropanolamine.
67891-86-5	Hydrocarbon waxes (petroleum), oxidized, compds. with diisopropanolamine.
68131-05-5	Hydrocarbon oils, process blends.
68131-49-7	Aromatic hydrocarbons, C6-10, acid-treated, neutralized.
68131-75-9	Gases (petroleum), C3-4.
68153-22-0	Paraffin waxes and Hydrocarbon waxes, oxidized.
68187-57-5	Pitch, coal tar-petroleum.
68187-58-6	Pitch, petroleum, arom.
68187-60-0	Hydrocarbons, C4, ethane-propane-cracked.
68307-98-2	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber.
68307-99-3	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer.
68308-00-9	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free.
68308-01-0	Tail gas (petroleum), cracked distillate hydrotreater stripper.
68308-02-1	Tail gas (petroleum), distn., hydrogen sulfide-free.
68308-03-2	Tail gas (petroleum), gas oil catalytic cracking absorber.
68308-04-3	Tail gas (petroleum), gas recovery plant.
68308-05-4	Tail gas (petroleum), gas recovery plant deethanizer.
68308-06-5	Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free.
68308-07-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free.
68308-08-7	Tail gas (petroleum), isomerized naphtha fractionation stabilizer.
68308-09-8	Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free.
68308-10-1	Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free.
68308-11-2	Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer.
68308-12-3	Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free.
68308-27-0	Fuel gases, refinery.
68333-22-2	Residues (petroleum), atmospheric.

CASRN	Product
68333-23-3	Naphtha (petroleum), heavy coker.
68333-24-4	Hydrocarbon waxes (petroleum), oxidized, compds. with triethanolamine.
68333-25-5	Distillates (petroleum), hydrodesulfurized light catalytic cracked.
68333-26-6	Clarified oils (petroleum), hydrodesulfurized catalytic cracked.
68333-27-7	Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked.
68333-28-8	Distillates (petroleum), hydrodesulfurized heavy catalytic cracked.
68333-29-9	Residues (petroleum), light naphtha solvent extracts.
68333-30-2	Distillates (petroleum), oxidized heavy thermal cracked.
68333-81-3	Alkanes, C4-12.
68333-88-0	Aromatic hydrocarbons, C9-17.
68334-30-5	Fuels, diesel.
68409-99-4	Gases (petroleum), catalytic cracked overheads.
68410-00-4	Distillates (petroleum), crude oil.
68410-05-9	Distillates (petroleum), straight-run light.
68410-12-8	Distillates (petroleum), steam-cracked, C5-10 fraction, high-temperature stripping products with light steam-cracked petroleum naphtha C5 fraction polymers.
68410-71-9	Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.
68410-96-8	Distillates (petroleum), hydrotreated middle, intermediate boiling.
68410-97-9	Distillates (petroleum), light distillate hydrotreating process, low-boiling.
68410-98-0	Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads.
68411-00-7	Alkenes, C>8.
68425-29-6	Distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending.
68425-33-2	Petrolatum (petroleum), oxidized, barium salt.
68425-34-3	Petrolatum (petroleum), oxidized, calcium salt.
68425-35-4	Raffinates (petroleum), reformer, Lurgi unit-sepd.
68425-39-8	Alkenes, C>10 .alpha.-, oxidized.
68441-09-8	Hydrocarbon waxes (petroleum), clay-treated microcryst., contg. polyethylene, oxidized.
68459-78-9	Alkenes, C18-24 .alpha.-, dimers.
68475-57-0	Alkanes, C1-2.
68475-58-1	Alkanes, C2-3.
68475-59-2	Alkanes, C3-4.
68475-60-5	Alkanes, C4-5.
68475-61-6	Alkenes, C5, naphtha-raffinate pyrolyzate-derived.
68475-70-7	Aromatic hydrocarbons, C6-8, naphtha-raffinate pyrolyzate-derived.
68475-79-6	Distillates (petroleum), catalytic reformed depentanizer.

CASRN	Product
68475-80-9	Distillates (petroleum), light steam-cracked naphtha.
68476-26-6	Fuel gases.
68476-27-7	Fuel gases, amine system residues.
68476-28-8	Fuel gases, C6-8 catalytic reformer.
68476-29-9	Fuel gases, crude oil distillates.
68476-30-2	Fuel oil, no. 2.
68476-31-3	Fuel oil, no. 4.
68476-32-4	Fuel oil, residues-straight-run gas oils, high-sulfur.
68476-33-5	Fuel oil, residual.
68476-34-6	Fuels, diesel, no. 2.
68476-39-1	Hydrocarbons, aliph.-arom.-C4-5-olefinic.
68476-40-4	Hydrocarbons, C3-4.
68476-42-6	Hydrocarbons, C4-5.
68476-43-7	Hydrocarbons, C4-6, C5-rich.
68476-44-8	Hydrocarbons, C>3.
68476-45-9	Hydrocarbons, C5-10 arom. conc., ethylene-manuf.-by-product.
68476-46-0	Hydrocarbons, C3-11, catalytic cracker distillates.
68476-47-1	Hydrocarbons, C2-6, C6-8 catalytic reformer.
68476-49-3	Hydrocarbons, C2-4, C3-rich.
68476-50-6	Hydrocarbons, C≥5, C5-6-rich.
68476-52-8	Hydrocarbons, C4, ethylene-manuf.-by-product.
68476-53-9	Hydrocarbons, C≥20, petroleum wastes.
68476-54-0	Hydrocarbons, C3-5, polymn. unit feed.
68476-55-1	Hydrocarbons, C5-rich.
68476-56-2	Hydrocarbons, cyclic C5 and C6.
68476-77-7	Lubricating oils, refined used.
68476-81-3	Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts.
68476-84-6	Petroleum products, gases, inorg.
68476-85-7	Petroleum gases, liquefied.
68476-86-8	Petroleum gases, liquefied, sweetened.
68477-25-8	Waste gases, vent gas, C1-6.
68477-26-9	Wastes, petroleum.
68477-29-2	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling.
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling.
68477-31-6	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling.
68477-33-8	Gases (petroleum), C3-4, isobutane-rich.
68477-34-9	Distillates (petroleum), C3-5, 2-methyl-2-butene-rich.

CASRN	Product
68477-35-0	Distillates (petroleum), C3-6, piperylene-rich.
68477-36-1	Distillates (petroleum), cracked steam-cracked, C5-18 fraction.
68477-38-3	Distillates (petroleum), cracked steam-cracked petroleum distillates.
68477-39-4	Distillates (petroleum), cracked stripped steam-cracked petroleum distillates, C8-10 fraction.
68477-40-7	Distillates (petroleum), cracked stripped steam-cracked petroleum distillates, C10-12 fraction.
68477-41-8	Gases (petroleum), extractive, C3-5, butadiene-butene-rich.
68477-42-9	Gases (petroleum), extractive, C3-5, butene-isobutylene-rich.
68477-44-1	Distillates (petroleum), heavy naphthenic, mixed with steam-cracked petroleum distillates C5-12 fraction.
68477-47-4	Distillates (petroleum), mixed heavy olefin vacuum, heart-cut.
68477-48-5	Distillates (petroleum), mixed heavy olefin vacuum, low-boiling.
68477-53-2	Distillates (petroleum), steam-cracked, C5-12 fraction.
68477-54-3	Distillates (petroleum), steam-cracked, C8-12 fraction.
68477-55-4	Distillates (petroleum), steam-cracked, C5-10 fraction, mixed with light steam-cracked petroleum naphtha C5 fraction.
68477-58-7	Distillates (petroleum), steam-cracked petroleum distillates, C5-18 fraction.
68477-59-8	Distillates (petroleum), steam-cracked petroleum distillates cyclopentadiene conc.
68477-60-1	Extracts (petroleum), cold-acid.
68477-61-2	Extracts (petroleum), cold-acid, C4-6.
68477-62-3	Extracts (petroleum), cold-acid, C3-5, butene-rich.
68477-63-4	Extracts (petroleum), reformer recycle.
68477-64-5	Gases (petroleum), acetylene manuf. off.
68477-65-6	Gases (petroleum), amine system feed.
68477-66-7	Gases (petroleum), benzene unit hydrodesulfurizer off.
68477-67-8	Gases (petroleum), benzene unit recycle, hydrogen-rich.
68477-68-9	Gases (petroleum), blend oil, hydrogen-nitrogen-rich.
68477-69-0	Gases (petroleum), butane splitter overheads.
68477-70-3	Gases (petroleum), C2-3.
68477-71-4	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free.
68477-72-5	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich.
68477-73-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free.
68477-74-7	Gases (petroleum), catalytic cracker.
68477-75-8	Gases (petroleum), catalytic cracker, C1-5-rich.

CASRN	Product
68477-76-9	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich.
68477-77-0	Gases (petroleum), catalytic reformed naphtha stripper overheads.
68477-79-2	Gases (petroleum), catalytic reformer, C1-4-rich.
68477-80-5	Gases (petroleum), C6-8 catalytic reformer recycle.
68477-81-6	Gases (petroleum), C6-8 catalytic reformer.
68477-82-7	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich.
68477-83-8	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed.
68477-84-9	Gases (petroleum), C2-return stream.
68477-85-0	Gases (petroleum), C4-rich.
68477-86-1	Gases (petroleum), deethanizer overheads.
68477-87-2	Gases (petroleum), deisobutanizer tower overheads.
68477-88-3	Gases (petroleum), deethanizer overheads, C3-rich.
68477-89-4	Distillates (petroleum), depentanizer overheads.
68477-90-7	Gases (petroleum), depropanizer dry, propene-rich.
68477-91-8	Gases (petroleum), depropanizer overheads.
68477-92-9	Gases (petroleum), dry sour, gas-concentration concn.-unit-off.
68477-93-0	Gases (petroleum), gas concn. reabsorber distn.
68477-94-1	Gases (petroleum), gas recovery plant depropanizer overheads
68477-95-2	Gases (petroleum), Girbatol unit feed.
68477-96-3	Gases (petroleum), hydrogen absorber off.
68477-97-4	Gases (petroleum), hydrogen-rich.
68477-98-5	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen rich.
68477-99-6	Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free.
68478-00-2	Gases (petroleum), recycle, hydrogen-rich.
68478-01-3	Gases (petroleum), reformer make-up, hydrogen-rich.
68478-02-4	Gases (petroleum), reforming hydrotreater.
68478-03-5	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich.
68478-04-6	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich.
68478-05-7	Gases (petroleum), thermal cracking distn.
68478-08-0	Naphtha (petroleum), light steam-cracked, C5-fraction, oligomer conc.
68478-10-4	Naphtha (petroleum), light steam-cracked, debenzenized, C8-16-cycloalkadiene conc.
68478-12-6	Residues (petroleum), butane splitter bottoms.
68478-13-7	Residues (petroleum), catalytic reformer fractionator residue distn.
68478-15-9	Residues (petroleum), C6-8 catalytic reformer.
68478-16-0	Residual oils (petroleum), deisobutanizer tower.
68478-17-1	Residues (petroleum), heavy coker gas oil and vacuum gas oil.
68478-18-2	Residues (petroleum), heavy olefin vacuum.

CASRN	Product
68478-19-3	Residual oils (petroleum), propene purifn. splitter.
68478-20-6	Residues (petroleum), steam-cracked petroleum distillates cyclopentadiene conc., C4-cyclopentadiene-free.
68478-22-8	Tail gas (petroleum), catalytic cracked naphtha stabilization absorber.
68478-24-0	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater.
68478-25-1	Tail gas (petroleum), catalytic cracker refractionation absorber.
68478-26-2	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer.
68478-27-3	Tail gas (petroleum), catalytic reformed naphtha separator.
68478-28-4	Tail gas (petroleum), catalytic reformed naphtha stabilizer.
68478-29-5	Tail gas (petroleum), cracked distillate hydrotreater separator.
68478-30-8	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator.
68478-31-9	Tail gas (petroleum), isomerized naphtha fractionates, hydrogen sulfide-free.
68478-32-0	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich.
68478-33-1	Tail gas (petroleum), saturate gas recovery plant, C1-2-rich.
68478-34-2	Tail gas (petroleum), vacuum residues thermal cracker.
68512-61-8	Residues (petroleum), heavy coker and light vacuum.
68512-62-9	Residues (petroleum), light vacuum.
68512-78-7	Solvent naphtha (petroleum), light arom., hydrotreated.
68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillates.
68513-02-0	Naphtha (petroleum), full-range coker.
68513-03-1	Naphtha (petroleum), light catalytic reformed, arom.-free.
68513-11-1	Fuel gases, hydrotreater fractionation, scrubbed.
68513-12-2	Fuel gases, saturate gas unit fractionater-absorber overheads.
68513-13-3	Fuel gases, thermal cracked catalytic cracking residue.
68513-14-4	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads.
68513-15-5	Gases (petroleum), full-range straight-run naphtha dehexanizer off.
68513-16-6	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich.
68513-17-7	Gases (petroleum), light straight-run naphtha stabilizer off.
68513-18-8	Gases (petroleum), reformer effluent high-pressure flash drum off.
68513-19-9	Gases (petroleum), reformer effluent low-pressure flash drum off.
68513-62-2	Disulfides, C5-12-alkyl.
68513-63-3	Distillates (petroleum), catalytic reformed straight-run naphtha overheads.
68513-65-5	Butane, branched and linear.
68513-66-6	Residues (petroleum), alkylation splitter, C4-rich.
68513-67-7	Residues (petroleum), cyclooctadiene bottoms.
68513-68-8	Residues (petroleum), deethanizer tower.

CASRN	Product
68513-69-9	Residues (petroleum), steam-cracked light.
68513-74-6	Waste gases, ethylene oxide absorber-reactor.
68514-15-8	Gasoline, vapor-recovery.
68514-29-4	Hydrocarbons, amylene feed debutanizer overheads non-extractable raffinates.
68514-31-8	Hydrocarbons, C1-4.
68514-32-9	Hydrocarbons, C10 and C12, olefin-rich.
68514-33-0	Hydrocarbons, C12 and C14, olefin-rich.
68514-34-1	Hydrocarbons, C9-14, ethylene-manuf.-by-product.
68514-35-2	Hydrocarbons, C14-30, olefin-rich.
68514-36-3	Hydrocarbons, C1-4, sweetened.
68514-37-4	Hydrocarbons, C4-5-unsatd..
68514-38-5	Hydrocarbons, C4-10-unsatd..
68514-39-6	Naphtha (petroleum), light steam-cracked, isoprene-rich.
68514-79-4	Petroleum products, hydrofiner-powerformer reformates.
68515-25-3	Benzene, C1-9-alkyl derivs.
68515-26-4	Benzene, di-C12-14-alkyl derivs.
68515-27-5	Benzene, di-C10-14-alkyl derivs., fractionation overheads, heavy ends.
68515-28-6	Benzene, di-C10-14-alkyl derivs., fractionation overheads, light ends.
68515-29-7	Benzene, di-C10-14-alkyl derivs., fractionation overheads, middle cut.
68515-30-0	Benzene, mono-C20-48-alkyl derivs.
68515-32-2	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms.
68515-33-3	Benzene, mono-C10-12-alkyl derivs., fractionation bottoms, heavy ends.
68515-34-4	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms, heavy ends.
68515-35-5	Benzene, mono-C10-12-alkyl derivs., fractionation bottoms, light ends.
68515-36-6	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms, light ends.
68516-20-1	Naphtha (petroleum), steam-cracked middle arom.
68526-52-3	Alkenes, C6.
68526-53-4	Alkenes, C6-8, C7-rich.
68526-54-5	Alkenes, C7-9, C8-rich.
68526-55-6	Alkenes, C8-10, C9-rich.
68526-56-7	Alkenes, C9-11, C10-rich.
68526-57-8	Alkenes, C10-12, C11-rich.
68526-58-9	Alkenes, C11-13, C12-rich.
68526-77-2	Aromatic hydrocarbons, ethane cracking scrubber effluent and flare drum.
68526-99-8	Alkenes, C6-9 .alpha.-.
68527-00-4	Alkenes, C8-9 .alpha.-.
68527-11-7	Alkenes, C5.
68527-13-9	Gases (petroleum), acid, ethanolamine scrubber.

CASRN	Product
68527-14-0	Gases (petroleum), methane-rich off.
68527-15-1	Gases (petroleum), oil refinery gas distn. off.
68527-16-2	Hydrocarbons, C1-3.
68527-18-4	Gas oils (petroleum), steam-cracked.
68527-19-5	Hydrocarbons, C1-4, debutanizer fraction.
68527-21-9	Naphtha (petroleum), clay-treated full-range straight-run.
68527-22-0	Naphtha (petroleum), clay-treated light straight-run.
68527-23-1	Naphtha (petroleum), light steam-cracked arom.
68527-26-4	Naphtha (petroleum), light steam-cracked, debenzenized.
68527-27-5	Naphtha (petroleum), full-range alkylate, butane-contg.
68553-00-4	Fuel oil, no. 6.
68553-14-0	Hydrocarbons, C8-11.
68602-79-9	Distillates (petroleum), benzene unit hydrotreater dipentanizer overheads.
68602-81-3	Distillates, hydrocarbon resin prodn. higher boiling.
68602-82-4	Gases (petroleum), benzene unit hydrotreater depentenizer overheads.
68602-83-5	Gases (petroleum), C1-5, wet.
68602-84-6	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionater.
68602-96-0	Distillates (petroleum), oxidized light, strong acid components, compds. with diethanolamine.
68602-97-1	Distillates (petroleum), oxidized light, strong acid components, sodium salts.
68602-98-2	Distillates (petroleum), oxidized light, strong acid components.
68602-99-3	Distillates (petroleum), oxidized light, strong acid-free.
68603-00-9	Distillates (petroleum), thermal cracked naphtha and gas oil.
68603-01-0	Distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.
68603-02-1	Distillates (petroleum), thermal cracked naphtha and gas oil, dimerized.
68603-03-2	Distillates (petroleum), thermal cracked naphtha and gas oil, extractive.
68603-08-7	Naphtha (petroleum), arom.- contg.
68603-09-8	Hydrocarbon waxes (petroleum), oxidized, calcium salts.
68603-10-1	Hydrocarbon waxes (petroleum), oxidized, Me esters, barium salts.
68603-11-2	Hydrocarbon waxes (petroleum), oxidized, Me esters, calcium salts.
68603-12-3	Hydrocarbon waxes (petroleum), oxidized, Me esters, sodium salts.
68603-13-4	Petrolatum (petroleum), oxidized, ester with sorbitol.
68603-14-5	Residual oils (petroleum), oxidized, calcium salts.
68603-31-6	Alkenes, C10, tert-amylene concentrator by-product.
68603-32-7	Alkenes, C15-20 .alpha.-, isomerized.
68606-09-7	Fuel gases, expander off.

CASRN	Product
68606-10-0	Gasoline, pyrolysis, debutanizer bottoms.
68606-11-1	Gasoline, straight-run, topping-plant.
68606-24-6	Hydrocarbons, C4, butene concentrator by-product.
68606-25-7	Hydrocarbons, C2-4.
68606-26-8	Hydrocarbons, C3.
68606-27-9	Gases (petroleum), alkylation feed.
68606-28-0	Hydrocarbons, C5 and C10-aliph. and C6-8-arom.
68606-31-5	Hydrocarbons, C3-5, butadiene purification (purifn.) by-product.
68606-34-8	Gases (petroleum), depropanizer bottoms fractionation off.
68606-36-0	Hydrocarbons, C5-unsatd. rich, isoprene purifn. by-product.
68607-11-4	Petroleum products, refinery gases.
68607-30-7	Residues (petroleum), topping plant, low-sulfur.
68608-56-0	Waste gases, from carbon black manuf.
68647-60-9	Hydrocarbons, C>4.
68647-61-0	Hydrocarbons, C4-5, tert-amylene concentrator by-product.
68647-62-1	Hydrocarbons, C4-5, butene concentrator by-product, sour.
68650-36-2	Aromatic hydrocarbons, C8, o-xylene-lean.
68650-37-3	Paraffin waxes (petroleum), oxidized, sodium salts.
68782-97-8	Distillates (petroleum), hydrofined lubricating-oil.
68782-98-9	Extracts (petroleum), clarified oil solvent, condensed-ring-arom.-contg.
68782-99-0	Extracts (petroleum), heavy clarified oil solvent, condensed-ring-arom.-contg.
68783-00-6	Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.
68783-01-7	Extracts (petroleum), heavy naphthenic distillate solvent, paraffinic conc.
68783-02-8	Extracts (petroleum), intermediate clarified oil solvent, condensed-ring-arom.-contg.
68783-04-0	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent.
68783-05-1	Gases (petroleum), ammonia-hydrogen sulfide, water-satd.
68783-06-2	Gases (petroleum), hydrocracking low-pressure separator.
68783-07-3	Gases (petroleum), refinery blend.
68783-08-4	Gas oils (petroleum), heavy atmospheric.
68783-09-5	Naphtha (petroleum), catalytic cracked light distd.
68783-12-0	Naphtha (petroleum), unsweetened.
68783-13-1	Residues (petroleum), coker scrubber, condensed-ring-arom.-contg.
68783-15-3	Alkenes, C6-7 .alpha.-.
68783-61-9	Fuel gases, refinery, sweetened.
68783-62-0	Fuel gases, refinery, unsweetened.
68783-64-2	Gases (petroleum), catalytic cracking.
68783-65-3	Gases (petroleum), C2-4, sweetened.
68783-66-4	Naphtha (petroleum), light, sweetened.

CASRN	Product
68814-47-1	Waste gases, refinery vent.
68814-67-5	Gases (petroleum), refinery.
68814-87-9	Distillates (petroleum), full-range straight-run middle.
68814-89-1	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted.
68814-90-4	Gases (petroleum), platformer products separator off.
68814-91-5	Alkenes, C5-9 .alpha.-.
68855-57-2	Alkenes, C6-12 .alpha.-.
68855-58-3	Alkenes, C10-16 .alpha.-.
68855-59-4	Alkenes, C14-18 .alpha.-.
68855-60-7	Alkenes, C14-20 .alpha.-.
68911-58-0	Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off.
68911-59-1	Gases (petroleum), hydrotreated sour kerosine flash drum.
68915-96-8	Distillates (petroleum), heavy straight-run.
68915-97-9	Gas oils (petroleum), straight-run, high-boiling.
68918-69-4	Petrolatum (petroleum), oxidized, zinc salt.
68918-73-0	Residues (petroleum), clay-treating filter wash.
68918-93-4	Paraffin waxes and Hydrocarbon waxes, oxidized, alkali metal salts.
68918-98-9	Fuel gases, refinery, hydrogen sulfide-free.
68918-99-0	Gases (petroleum), crude oil fractionation off.
68919-00-6	Gases (petroleum), dehexanizer off.
68919-01-7	Gases (petroleum), distillate unifiner desulfurization stripper off.
68919-02-8	Gases (petroleum), fluidized catalytic cracker fractionation off.
68919-03-9	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off.
68919-04-0	Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off.
68919-05-1	Gases (petroleum), light straight run gasoline fractionation stabilizer off.
68919-06-2	Gases (petroleum), naphtha unifiner desulfurization stripper off.
68919-07-3	Gases (petroleum), platformer stabilizer off, light ends fractionation.
68919-08-4	Gases (petroleum), preflash tower off, crude distn.
68919-09-5	Gases (petroleum), straight-run naphtha catalytic reforming off.
68919-10-8	Gases (petroleum), straight-run stabilizer off.
68919-11-9	Gases (petroleum), tar stripper off.
68919-12-0	Gases (petroleum), unifiner stripper off.
68919-15-3	Hydrocarbons, C6-12, benzene-recovery.
68919-16-4	Hydrocarbons, catalytic alkylation, by-products, C3-6.
68919-17-5	Hydrocarbons, C12-20, catalytic alkylation by-products.
68919-19-7	Gases (petroleum), fluidized catalytic cracker splitter residues.
68919-20-0	Gases (petroleum), fluidized catalytic cracker splitter overheads.

CASRN	Product
68919-37-9	Naphtha (petroleum), full-range reformed.
68920-06-9	Hydrocarbons, C7-9.
68920-07-0	Hydrocarbons, C<10-linear.
68920-64-9	Disulfides, di-C1-2-alkyl.
68921-07-3	Distillates (petroleum), hydrotreated light catalytic cracked.
68921-08-4	Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads.
68921-09-5	Distillates (petroleum), naphtha unifiner stripper.
68921-67-5	Hydrocarbons, ethylene-manuf.-by-product distn. residues.
68952-76-1	Gases (petroleum), catalytic cracked naphtha debutanizer.
68952-77-2	Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer.
68952-78-3	Tail gas (petroleum), catalytic hydrodesulfurized distillate fractionation stabilizer, hydrogen sulfide-free.
68952-79-4	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator.
68952-80-7	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer.
68952-81-8	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber.
68952-82-9	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking.
68953-80-0	Benzene, mixed with toluene, dealkylation product.
68955-27-1	Distillates (petroleum), petroleum residues vacuum.
68955-28-2	Gases (petroleum), light steam-cracked, butadiene conc.
68955-31-7	Gases (petroleum), butadiene process, inorg.
68955-32-8	Natural gas, substitute, steam-reformed desulfurized naphtha.
68955-33-9	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation.
68955-34-0	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead.
68955-35-1	Naphtha (petroleum), catalytic reformed.
68955-36-2	Residues (petroleum), steam-cracked, resinous.
68955-76-0	Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich.
68955-96-4	Disulfides, dialkyl and di-Ph, naphtha sweetening.
68956-47-8	Fuel oil, isoprene reject absorption.
68956-48-9	Fuel oil, residual, wastewater skimmings.
68956-52-5	Hydrocarbons, C4-8.
68956-54-7	Hydrocarbons, C4-unsatd.
68956-55-8	Hydrocarbons, C5-unsatd.
68956-70-7	Petroleum products, C5-12, reclaimed, wastewater treatment.
68988-79-4	Benzene, C10-12-alkyl derivs., distn. residues.
68988-99-8	Phenols, sodium salts, mixed with sulfur compounds, gasoline alk.

CASRN	Product
	scrubber residues.
68989-88-8	Gases (petroleum), crude distn. and catalytic cracking.
68990-35-2	Distillates (petroleum), arom., hydrotreated, dicyclopentadiene-rich.
68991-49-1	Alkanes, C10-13, arom.-free desulfurized.
68991-50-4	Alkanes, C14-17, arom.-free desulfurized.
68991-51-5	Alkanes, C10-13, desulfurized.
68991-52-6	Alkenes, C10-16.
69013-21-4	Fuel oil, pyrolysis.
69029-75-0	Oils, reclaimed.
69430-33-7	Hydrocarbons, C6-30.
70024-88-3	Ethene, thermal cracking products.
70528-71-1	Distillates (petroleum), heavy distillate solvent ext. heart-cut.
70528-72-2	Distillates (petroleum), heavy distillate solvent ext. vacuum overheads.
70528-73-3	Residues (petroleum), heavy distillate solvent ext. vacuum.
70592-76-6	Distillates (petroleum), intermediate vacuum.
70592-77-7	Distillates (petroleum), light vacuum.
70592-78-8	Distillates (petroleum), vacuum.
70592-79-9	Residues (petroleum), atm. tower, light.
70693-00-4	Hydrocarbon waxes (petroleum), oxidized, sodium salts.
70693-06-0	Aromatic hydrocarbons, C9-11.
70913-85-8	Residues (petroleum), solvent-extd. vacuum distilled atm. residuum.
70913-86-9	Alkanes, C18-70.
70955-08-7	Alkanes, C4-6.
70955-09-8	Alkenes, C13-14 .alpha.-.
70955-10-1	Alkenes, C15-18 .alpha.-.
70955-17-8	Aromatic hydrocarbons, C12-20.
71243-66-8	Hydrocarbon waxes (petroleum), clay-treated, microcryst., oxidized, potassium salts.
71302-82-4	Hydrocarbons, C5-8, houdry butadiene manuf. by-product.
71329-37-8	Residues (petroleum), catalytic cracking depropanizer, C4-rich.
71808-30-5	Tail gas (petroleum), thermal cracking absorber.
72230-71-8	Distillates (petroleum), cracked steam-cracked, C5-17 fraction.
72623-83-7	Lubricating oils (petroleum), C>25, hydrotreated bright stock-based.
72623-84-8	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, contg. solvent deasphalted residual oil.
72623-85-9	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity.
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based.
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based.
73138-65-5	Hydrocarbon waxes (petroleum), oxidized, magnesium salts.

CASRN	Product
92045-43-7	Lubricating oils (petroleum), hydrocracked non-arom. solvent deparaffined.
92045-58-4	Naphtha (petroleum), isomerization, C6-fraction.
92062-09-4	Slack wax (petroleum), hydrotreated.
93762-80-2	Alkenes, C15-18.
98859-55-3	Distillates (petroleum), oxidized heavy, compds. with diethanolamine.
98859-56-4	Distillates (petroleum), oxidized heavy, sodium salts.
101316-73-8	Lubricating oils (petroleum), used, non-catalytically refined.
164907-78-2	Extracts (petroleum), asphaltene-low vacuum residue solvent.
164907-79-3	Residues (petroleum), vacuum, asphaltene-low.
178603-63-9	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C10-25.
178603-64-0	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C15-30, branched and cyclic.
178603-65-1	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C20-40, branched and cyclic.
178603-66-2	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C25-55, branched and cyclic.
212210-93-0	Solvent naphtha (petroleum), heavy arom., distn. residues.
221120-39-4	Distillates (petroleum), cracked steam-cracked, C5-12 fraction.
445411-73-4	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C10-25, branched and cyclic.

(2) *Specific exempted chemical substances –*

- (i) **Exemption.** EPA has determined that, at this time, the information in § 711.15(b)(4) associated with the chemical substances listed in paragraph (b)(2)(iv) of this section is of low current interest.
- (ii) **Considerations.** In making its determination of whether this partial exemption should apply to a particular chemical substance, EPA will consider the totality of information available for the chemical substance in question, including but not limited to, one or more of the following considerations:
 - (A) Whether the chemical substance qualifies or has qualified in past IUR or CDR collections for the reporting of the information described in § 711.15(b)(4).
 - (B) The chemical substance's chemical and physical properties or potential for persistence, bioaccumulation, health effects, or environmental effects (considered independently or together).
 - (C) The information needs of EPA, other Federal agencies, Tribes, States, and local governments, as well as members of the public.
 - (D) The availability of other complementary risk screening information.

- (E) The availability of comparable processing and use information.
- (F) Whether the potential risks of the chemical substance are adequately managed.
- (iii) **Amendments.** EPA may amend the chemical substance list in paragraph (b)(2)(iv) of this section on its own initiative or in response to a request from the public based on EPA's determination of whether the information in § 711.15(b)(4) is of low interest.
 - (A) Any person may request that EPA amend the chemical substance list in Table 2 in paragraph (b)(2)(iv) of this section. Your request must be in writing and must be submitted to the address provided in 40 CFR 700.17(a). Please label your request as follows: Attention: TSCA Chemical Data Reporting—Partial Exemption Request. Requests must identify the chemical substance in question, as well as its CASRN or other chemical identification number as identified in § 711.15(b)(3)(i), and must contain a written rationale for the request that provides sufficient specific information, addressing the considerations listed in § 711.6(b)(2)(ii), including cites and relevant documents, to demonstrate to EPA that the collection of the information in § 711.15(b)(4) for the chemical substance in question either is or is not of low current interest. If a request related to a particular chemical substance is resubmitted, any subsequent request must clearly identify new information contained in the request. EPA may request other information that it believes necessary to evaluate the request. EPA will issue a written response to each request within 120 days of receipt of the request, and will maintain copies of these responses in a docket that will be established for each reporting cycle.
 - (B) As needed, the Agency will initiate rulemaking to make revisions to Table 2 in paragraph (b)(2)(iv) of this section.
 - (C) To assist EPA in reaching a decision regarding a particular request prior to a given principal reporting year, requests must be submitted to EPA no later than 12 months prior to the start of the next principal reporting year.
- (iv) **List of chemical substances.** EPA has designated the chemical substances listed in Table 2 of this paragraph by CASRN, as partially exempt from reporting under the CDR.

TABLE 2—CASRN OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES

CASRN	Chemical
50-70-4	D-glucitol.
50-81-7	L-ascorbic acid.
50-99-7	D-glucose.
56-81-5	1,2,3-Propanetriol.
56-87-1	L-lysine.
57-48-7	D-fructose.
57-50-1	.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl.
58-95-7	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-, acetate, (2R)-.

CASRN	Chemical
59-02-9	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-, (2R)-.
59-51-8	Methionine.
68-04-2	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt (1:3).
69-65-8	D-mannitol.
77-92-9	1,2,3-Propanetricarboxylic acid, 2-hydroxy-.
87-79-6	L-sorbose.
87-99-0	Xylitol.
96-10-6	Aluminum, chlorodiethyl-.
97-93-8	Aluminum, triethyl-.
100-99-2	Aluminum, tris(2-methylpropyl)-.
123-94-4	Octadecanoic acid, 2,3-dihydroxypropyl ester.
124-38-9	Carbon dioxide.
137-08-6	.beta.-Alanine, N-[(2R)-2,4-dihydroxy-3,3-dimethyl-1-oxobutyl]-, calcium alt (2:1).
142-47-2	L-glutamic acid, monosodium salt.
150-30-1	Phenylalanine.
504-63-2	1,3-Propanediol.
563-43-9	Aluminum, dichloroethyl-.
866-84-2	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, potassium salt (1:3).
1070-00-4	Aluminum, trioctyl-.
1116-70-7	Aluminum, tributyl-.
1116-73-0	Aluminum, trihexyl-.
1191-15-7	Aluminum, hydrobis(2-methylpropyl)-.
1317-65-3	Limestone.
1333-74-0	Hydrogen.
1592-23-0	Octadecanoic acid, calcium salt.
7440-37-1	Argon.
7440-44-0	Carbon.
7727-37-9	Nitrogen.
7782-42-5	Graphite.
7782-44-7	Oxygen.
8001-21-6	Sunflower oil.
8001-22-7	Soybean oil.
8001-23-8	Safflower oil.
8001-26-1	Linseed oil.
8001-29-4	Cottonseed oil.
8001-30-7	Corn oil.
8001-31-8	Coconut oil.
8001-78-3	Castor oil, hydrogenated.

CASRN	Chemical
8001-79-4	Castor oil.
8002-03-7	Peanut oil.
8002-13-9	Rape oil.
8002-43-5	Lecithins.
8002-75-3	Palm oil.
8006-54-0	Lanolin.
8013-07-8	Soybean oil, epoxidized.
8016-28-2	Lard, oil.
8016-70-4	Soybean oil, hydrogenated.
8021-99-6	Charcoal, bone.
8023-79-8	Oils, palm kernel.
8029-43-4	Syrups, hydrolyzed starch.
11103-57-4	Vitamin A.
12075-68-2	Aluminum, di-mu.-chlorochlorotriethyldi-
12542-85-7	Aluminum, trichlorotrimethyldi-
16291-96-6	Charcoal.
26836-47-5	<i>D</i> -glucitol, monooctadecanoate.
61788-61-2	Fatty acids, tallow, methyl esters.
61789-44-4	Fatty acids, castor-oil.
61789-97-7	Tallow.
61789-99-9	Lard.
64147-40-6	Castor oil, dehydrated.
64755-01-7	Fatty acids, tallow, calcium salts.
65996-63-6	Starch, acid-hydrolyzed.
65996-64-7	Starch, enzyme-hydrolyzed.
66071-94-1	Corn, steep liquor.
67701-01-3	Fatty acids, C12-18.
67762-26-9	Fatty acids, C14-18 and C16-18 unsaturated, methyl esters.
67762-38-3	Fatty acids, C16-18 and C-18 unsaturated, methyl esters.
67784-80-9	Soybean oil, methyl esters.
68002-85-7	Fatty acids, C14-22 and C16-22-unsatd.
68131-37-3	Syrups, hydrolyzed starch, dehydrated.
68188-81-8	Grease, poultry.
68308-36-1	Soybean meal.
68308-54-3	Glycerides, tallow mono-, di- and tri-, hydrogenated.
68334-00-9	Cottonseed oil, hydrogenated.
68334-28-1	Fats and glyceridic oils, vegetable, hydrogenated.
68409-76-7	Bone meal, steamed.
68424-45-3	Fatty acids, linseed-oil.

CASRN	Chemical
68424-61-3	Glycerides, C16-18 and C18-unsatd. mono- and di.
68425-17-2	Syrups, hydrolyzed starch, hydrogenated
68439-86-1	Bone, ash.
68442-69-3	Benzene, mono-C10-14-alkyl derivs.
68476-78-8	Molasses.
68514-27-2	Grease, catch basin.
68514-74-9	Palm oil, hydrogenated.
68525-87-1	Corn oil, hydrogenated.
68648-87-3	Benzene, C10-16-alkyl derivs.
68918-42-3	Soaps, stocks, soya.
68952-94-3	Soaps, stocks, vegetable-oil.
68956-68-3	Fats and glyceridic oils, vegetable.
68989-98-0	Fats and glyceridic oils, vegetable, residues.
70131-50-9	Bentonite, acid-leached.
73138-67-7	Lard, hydrogenated.
120962-03-0	Canola oil.
129813-58-7	Benzene, mono-C10-13-alkyl derivs.
129813-59-8	Benzene, mono-C12-14-alkyl derivs.
129813-60-1	Benzene, mono-C14-16-alkyl derivs.
129828-16-6	Fatty acids, canola oil, methyl esters.
515152-40-6	Fatty acids, corn oil, methyl esters.

[76 FR 54933, Sept. 6, 2011, as amended at 79 FR 35098, June 19, 2014; 79 FR 66658, Nov. 10, 2014; 81 FR 17395, Mar. 29, 2016; 85 FR 20138, Apr. 9, 2020]

§ 711.8 Persons who must report.

Except as provided in §§ 711.9 and 711.10, the following persons are subject to the requirements of this part. Persons must determine whether they must report under this section for each chemical substance that they manufacture (including import) at an individual site.

- (a) **Persons subject to recurring reporting.** Any person who manufactured (including imported) for commercial purposes 25,000 lb (11,340 kg) or more of a chemical substance described in § 711.5 at any single site owned or controlled by that person during any calendar year since the last principal reporting year.
- (b) **Exceptions.** Any person who manufactured (including imported) for commercial purposes any chemical substance that is the subject of a rule proposed or promulgated under TSCA section 5(a)(2), 5(b)(4), or 6, or is the subject of an order in effect under TSCA section 4, 5(e) or 5(f), or is the subject of relief that has been granted under a civil action under TSCA sections 5 or 7 is subject to reporting as described in § 711.8(a), except that the applicable production volume threshold is 2,500 lb (1,134 kg).

[76 FR 54933, Sept. 6, 2011, as amended at 85 FR 20139, Apr. 9, 2020]

§ 711.9 Persons not subject to this part.

A person described in § 711.8 is not subject to the requirements of this part if that person qualifies as a small manufacturer or small government as those terms are defined in 40 CFR 704.3. Notwithstanding this exclusion, a person who qualifies as a small manufacturer or small government is subject to this part with respect to any chemical substance that is the subject of a rule proposed or promulgated under TSCA section 4, 5(b)(4), or 6, or is the subject of an order in effect under TSCA section 4 or 5(e), or is the subject of relief that has been granted under a civil action under TSCA section 5 or 7.

[85 FR 20139, Apr. 9, 2020]

§ 711.10 Activities for which reporting is not required.

A person described in § 711.8 is not subject to the requirements of this part with respect to any chemical substance described in § 711.5, when:

- (a) The person manufactured or imported the chemical substance solely in small quantities for research and development.
- (b) The person imported the chemical substance as part of an article.
- (c) The person manufactured the chemical substance in a manner described in 40 CFR 720.30(g) or (h).
- (d) The person manufactured the chemical substance in any of the following manners:
 - (1) Byproduct substances listed in paragraph (i) of this section for the following manufacturing processes, when recycled or otherwise used within a site-limited, physically enclosed system that is part of the same overall manufacturing process from which the byproduct substance was generated, and when the site is reporting the byproduct or a different chemical substance that was manufactured from the recycled byproduct or manufactured in the same overall manufacturing process:
 - (i) **List of processes and certain related byproduct substances.**
 - (A) Portland Cement Manufacturing (i.e., CASRN 68475-76-3, Flue dust, portland cement).
 - (B) Kraft Pulping Process (i.e., CASRN 66071-92-9, Sulfite liquors and Cooking liquors, spent; CASRN 68514-09-0, Sulfite liquors and Cooking liquors, spent, oxidized; and CASRN 471-34-1, Carbonic acid calcium salt (1:1)).
 - (ii) **Amendments.** EPA may amend the exemptions list in paragraph (d)(1)(i) of this section on its own initiative or in response to a request from the public based on EPA's determination of whether the byproduct substance and process described meet the criteria explained in this paragraph (d)(1), based on the requirements and considerations listed in paragraphs (d)(1)(ii)(B) and (C) of this section.
 - (A) Any person may request that EPA amend the chemical substance list in paragraph (d)(1)(i) of this section. Your request must be in writing and must be submitted to the address provided in 40 CFR 700.17(a). Please label your request as follows: Attention: TSCA Chemical Data Reporting—Byproduct Exemption Request. Requests must identify the manufacturing process and byproduct chemical substance in question, as well as its CASRN or other chemical identification number as identified in 40 CFR 711.15(b)(3)(i), and must contain a written rationale for the request that provides sufficient specific

information, addressing the requirements and considerations listed in paragraphs (d)(1)(ii)(B) and (C) of this section, including citations and relevant documents, to demonstrate to EPA that the byproduct substance and process in question either does or does not meet the criteria explained in this paragraph (d)(1). If a request related to a particular byproduct substance and process is resubmitted, any subsequent request must clearly identify new information contained in the request. EPA may request other information that it believes necessary to evaluate the request. EPA will issue a written response to each request within 120 days of receipt of the request and will maintain copies of these responses in a docket that will be established for each reporting cycle.

- (B) In making its determination whether this exemption should apply to a particular manufacturing process and related byproduct substance, the following two requirements must be met:
 - (1) The byproduct substance is recycled or otherwise used to manufacture another chemical substance within an enclosed system, within the same overall manufacturing process, and on the same site as that byproduct was originally manufactured.
 - (2) The site is reporting under CDR other chemical substances, in particular a chemical substance other than the byproduct substance that was manufactured from the byproduct or manufactured in the same overall manufacturing process.
 - (C) In addition to the requirements in paragraph (d)(1)(ii)(B) of this section, EPA will consider the totality of information available for the process and related byproduct substance in question, including but not limited to, one or both of the following considerations:
 - (1) Whether EPA has a current interest in the byproduct substance.
 - (2) Whether the byproduct substance must have already been reported under CDR, or would be expected to be reported if not exempted by this exemption.
 - (D) After granting a petition, the Agency will initiate rulemaking to make revisions to the list of substances in paragraph (d)(1)(i) of this section.
 - (E) To assist EPA in reaching a decision regarding a particular request prior to a given principal reporting year, requests must be submitted to EPA no later than 12 months prior to the start of the next principal reporting year.
- (2) A quantity of the byproduct that is manufactured solely in the following equipment when it is not integral to the chemical manufacturing processes of the site:
 - (i) Pollution control equipment.
 - (ii) Boilers used to generate heat or electricity for that site.

[85 FR 20139, Apr. 9, 2020]

§ 711.15 Reporting information to EPA.

Any person who must report under this part, as described in § 711.8, must submit the information described in this section for each chemical substance described in § 711.5 that the person manufactured (including imported) for commercial purposes in an amount of 25,000 lb (11,340 kg) or more (or in an amount of 2,500 lb (1,134 kg) or more

for chemical substances subject to the rules, orders, or actions described in § 711.8(b)) at any one site during any calendar year since the last principal reporting year (e.g., for the 2020 submission period, consider calendar years 2016, 2017, 2018, and 2019, because 2015 was the last principal reporting year). The principal reporting year for each submission period is the previous calendar year (e.g., the principal reporting year for the 2020 submission period is calendar year 2019). For all submission periods, a separate report must be submitted for each chemical substance at each site for which the submitter is required to report. A submitter of information under this part must report information as described in this section to the extent that such information is known to or reasonably ascertainable by that person.

- (a) **Reporting information to EPA.** Any person who reports information to EPA must complete a Form U using the e-CDRweb reporting tool provided by EPA at the address set forth in § 711.35. The submission must include all information described in paragraph (b) of this section. Persons must submit the chemical reports on a separate single Form U for each site for which the person is required to report. The e-CDRweb reporting tool is described in the instructions available from EPA at the website set forth in § 711.35.
- (b) **Information to be reported.** The information described in paragraphs (b)(1) through (4) of this section must be reported for each chemical substance manufactured (including imported) in an amount of 25,000 lb (11,340 kg) or more (or in an amount of 2,500 lb (1,134 kg) or more for chemical substances subject to the rules, orders, or actions described in § 711.8(b)) at any one site during any calendar year since the last principal reporting year. The requirement to report information described in paragraph (b)(4) of this section is subject to exemption as described in § 711.6.
 - (1) **A certification statement signed and dated by an authorized official of the submitter company.** The authorized official must certify that the submitted information has been completed in compliance with the requirements of this part and that the confidentiality claims made on the Form U are true and correct. The certification must be signed and dated by the authorized official for the submitter company, and provide that person's name, official title, and email address.
 - (2) **Company and site information.** The following currently correct parent company and site information at the date of CDR submission must be reported for each site at which a reportable chemical substance is manufactured (including imported) above the applicable production volume threshold, as described in this section (see § 711.3 for the "site" for importers and special situations).
 - (i) The legal name, address, and Dun and Bradstreet D-U-N-S® (D&B) number for the highest-level parent company located in the United States and, if one exists, for the highest-level foreign-based parent company. A submitter under this part must obtain a D&B number for the parent company if none exists and must report using the standardized conventions for the naming of a parent company as provided in the CDR Instructions for Reporting identified in § 711.35.
 - (ii) The name of a person who will serve as technical contact for the submitter company who will be able to answer questions about the information submitted by the company to EPA, and that technical contact person's full mailing address, telephone number, and email address.
 - (iii) The legal name and full street address of each site. A submitter under this part must include the appropriate D&B number for each site reported, and the county or parish (or other jurisdictional indicator) in which the site is located. A submitter under this part must obtain a D&B number for the site reported if none exists. For a co-manufacturing situation in which the contracting company initiates the report, the contracting company must report both the site controlling the contract and the producing company's site information.

- (iv) The six-digit NAICS code for the site. A submitter under this part must include the appropriate six-digit NAICS code for each site reported.
- (3) **Chemical-specific information.** The following chemical-specific information must be reported for each reportable chemical substance manufactured (including imported) above the applicable production volume threshold, as described in paragraph (b) of this section:
 - (i) The specific, currently correct CA Index name as used to list the chemical substance on the TSCA Inventory and the correct corresponding CASRN for each reportable chemical substance at each site. Submitters who wish to report chemical substances listed on the confidential portion of the TSCA Inventory will need to report the chemical substance using the corresponding TSCA Accession Number that is listed on the public portion of the Inventory. In addition to reporting the chemical identifying number itself, submitters must specify the type of number they are reporting by selecting from among the codes in Table 1 to paragraph (b)(3)(i).

TABLE 1 TO PARAGRAPH (b)(3)(i)—CODES TO SPECIFY TYPE OF CHEMICAL IDENTIFYING NUMBER

Code	Number type
A	TSCA Accession Number.
C	Chemical Abstracts Service Registry Number (CASRN).

- (A) If an importer submitting a report cannot provide the information specified in this paragraph (b)(3)(i) because it is unknown to the importer and claimed as confidential by the supplier of the chemical substance or mixture, the importer must use e-CDRweb to ask the supplier to provide the correct chemical identity and, in the case of a mixture, the percentage of formulation and chemical function information directly to EPA in a joint submission. Such request must include instructions for submitting chemical identity information electronically, using e-CDRweb and CDX (see § 711.35), and for clearly referencing the importer's submission. Contact information for the supplier, a trade name or other designation for the chemical substance or mixture, and a copy of the request to the supplier must be included with the importer's submission.
- (B) If a manufacturer submitting a report cannot provide the information specified in this paragraph (b)(3)(i) because the reportable chemical substance is manufactured using a reactant having a specific chemical identity that is unknown to the manufacturer and claimed as confidential by its supplier, the manufacturer must use e-CDRweb to ask the supplier of the confidential reactant to provide the correct chemical identity of the confidential reactant directly to EPA in a joint submission. Such request must include instructions for submitting chemical identity information electronically using e-CDRweb and CDX (see § 711.35), and for clearly referencing the manufacturer's submission. Contact information for the supplier, a trade name or other designation for the chemical substance, and a copy of the request to the supplier must be included with the importer's submission.

- (C) EPA will accept only joint submissions that are submitted electronically using e-CDRweb and CDX (see § 711.35) and that clearly reference the primary submission to which they refer.
- (ii) For the principal reporting year only, a statement indicating, for each reportable chemical substance at each site, whether the chemical substance is manufactured in the United States, imported into the United States, or both manufactured in the United States and imported into the United States.
- (iii) For the principal reporting year only, the total annual volume (in pounds) of each reportable chemical substance domestically manufactured or imported at each site. The total annual domestically manufactured volume (not including imported volume) and the total annual imported volume must be separately reported. These amounts must be reported to two significant figures of accuracy. In addition, the total annual volume (domestically manufactured plus imported volumes in pounds) of each reportable chemical substance at each site for each complete calendar year since the last principal reporting year.
- (iv) For the principal reporting year only, the volume used on site and the volume directly exported of each reportable chemical substance domestically manufactured or imported at each site. These amounts must be reported to two significant figures of accuracy.
- (v) For the principal reporting year only, a designation indicating, for each imported reportable chemical substance at each site, whether the imported chemical substance is physically present at the reporting site.
- (vi) For the principal reporting year only, a designation indicating, for each reportable chemical substance at each site, whether the chemical substance is being recycled or otherwise used for a commercial purpose instead of being disposed of as a waste or included in a waste stream.
- (vii) For the principal reporting year only, the total number of workers reasonably likely to be exposed to each reportable chemical substance at each site. For each reportable chemical substance at each site, the submitter must select from among the ranges of workers listed in Table 2 to paragraph (b)(3)(vii) and report the corresponding code (*i.e.*, W1 through W8):

**TABLE 2 TO PARAGRAPH (b)(3)(vii)—CODES FOR REPORTING NUMBER OF WORKERS
REASONABLY LIKELY TO BE EXPOSED**

Code	Range
W1	Fewer than 10 workers.
W2	At least 10 but fewer than 25 workers.
W3	At least 25 but fewer than 50 workers.
W4	At least 50 but fewer than 100 workers.
W5	At least 100 but fewer than 500 workers.
W6	At least 500 but fewer than 1,000 workers.
W7	At least 1,000 but fewer than 10,000 workers.

Code	Range
W8	At least 10,000 workers.

- (viii) For the principal reporting year only, the maximum concentration, measured by percentage of weight, of each reportable chemical substance at the time it is sent off-site from each site. If the chemical substance is site-limited, you must report the maximum concentration, measured by percentage of weight of the reportable chemical substance at the time it is reacted on-site to produce a different chemical substance. This information must be reported regardless of the physical form(s) in which the chemical substance is sent off-site/reacted on-site. For each chemical substance at each site, select the maximum concentration of the chemical substance from among the ranges listed in Table 3 to paragraph (b)(3)(viii) and report the corresponding code (*i.e.*, M1 through M5):

TABLE 3 TO PARAGRAPH (b)(3)(viii)—CODES FOR REPORTING MAXIMUM CONCENTRATION OF CHEMICAL SUBSTANCE

Code	Concentration range (percent weight)
M1	Less than 1 percent by weight.
M2	At least 1 but less than 30 percent by weight.
M3	At least 30 but less than 60 percent by weight.
M4	At least 60 but less than 90 percent by weight.
M5	At least 90 percent by weight.

- (ix) For the principal reporting year only, the physical form(s) of the reportable chemical substance as it is sent off-site from each site. If the chemical substance is site-limited, you must report the physical form(s) of the reportable chemical substance at the time it is reacted on-site to produce a different chemical substance. For each chemical substance at each site, the submitter must report as many physical forms as applicable from among the physical forms listed in this Unit:

- (A) Dry powder.
- (B) Pellets or large crystals.
- (C) Water- or solvent-wet solid.
- (D) Other solid.
- (E) Gas or vapor.
- (F) Liquid.

(x) For the principal reporting year only, submitters must report the percentage, rounded off to the closest 10 percent, of total production volume of the reportable chemical substance, reported in response to paragraph (b)(3)(iii) of this section, that is associated with each physical form reported under paragraph (b)(3)(ix) of this section.

(4) **Chemical-specific information related to processing and use.** The following chemical-specific information must be reported for each reportable chemical substance manufactured (including imported) above the applicable production volume threshold, as described in this section. Persons subject to paragraph (b)(4) of this section must report the information described in paragraphs (b)(4)(i) and (ii) of this section for each reportable chemical substance at sites under their control and at sites that receive a reportable chemical substance from the submitter directly or indirectly (including through a broker/distributor, from a customer of the submitter, etc.). Information reported in response to this paragraph must be reported for the principal reporting year only and only to the extent that it is known to or reasonably ascertainable by the submitter. Information required to be reported under this paragraph is limited to domestic (i.e., within the customs territory of the United States) processing and use activities. If information responsive to a given data requirement under this paragraph, including information in the form of an estimate, is not known or reasonably ascertainable, the submitter is not required to respond to the requirement.

(i) **Industrial processing and use information.**

(A) A designation indicating the type of industrial processing or use operation(s) at each site that receives a reportable chemical substance from the submitter site directly or indirectly (whether the recipient site(s) are controlled by the submitter site or not). For each chemical substance, report the letters which correspond to the appropriate processing or use operation(s) listed in Table 4 to paragraph (b)(4)(i)(A). A particular designation may need to be reported more than once, to the extent that a submitter reports more than one sector (under paragraph (b)(4)(i)(B) of this section) that applies to a given designation under this paragraph.

TABLE 4 TO PARAGRAPH (b)(4)(i)(A)—CODES FOR REPORTING TYPE OF INDUSTRIAL PROCESSING OR USE OPERATION

Designation	Operation
PC	Processing as a reactant.
PF	Processing—incorporation into formulation, mixture, or reaction product.
PA	Processing—incorporation into article.
PK	Processing—repackaging.
U	Use—non-incorporative activities.

(B) A code indicating the sector(s) that best describe the industrial activities associated with each industrial processing or use operation reported under paragraph (b)(4)(i)(A) of this section. For each chemical substance, report the code that corresponds to the appropriate sector(s) listed in Table 5 to paragraph (b)(4)(i)(B). A particular sector code may need to

be reported more than once, to the extent that a submitter reports more than one function code (under paragraph (b)(4)(i)(C) of this section) that applies to a given sector code under this paragraph.

TABLE 5 TO PARAGRAPH (b)(4)(i)(B)—CODES FOR REPORTING INDUSTRIAL SECTORS

Code	Sector description
IS1	Agriculture, forestry, fishing, and hunting.
IS2	Oil and gas drilling, extraction, and support activities.
IS3	Mining (except oil and gas) and support activities.
IS4	Utilities.
IS5	Construction.
IS6	Food, beverage, and tobacco product manufacturing.
IS7	Textiles, apparel, and leather manufacturing.
IS8	Wood product manufacturing.
IS9	Paper manufacturing.
IS10	Printing and related support activities.
IS11	Petroleum refineries.
IS12	Asphalt paving, roofing, and coating materials manufacturing.
IS13	Petroleum lubricating oil and grease manufacturing.
IS14	All other petroleum and coal products manufacturing.
IS15	Petrochemical manufacturing.
IS16	Industrial gas manufacturing.
IS17	Synthetic dye and pigment manufacturing.
IS18	Carbon black manufacturing.
IS19	All other basic inorganic chemical manufacturing.
IS20	Cyclic crude and intermediate manufacturing.
IS21	All other basic organic chemical manufacturing.
IS22	Plastics material and resin manufacturing.
IS23	Synthetic rubber manufacturing.
IS24	Organic fiber manufacturing.
IS25	Pesticide, fertilizer, and other agricultural chemical manufacturing.
IS26	Pharmaceutical and medicine manufacturing.
IS27	Paint and coating manufacturing.
IS28	Adhesive manufacturing.
IS29	Soap, cleaning compound, and toilet preparation manufacturing.
IS30	Printing ink manufacturing.
IS31	Explosives manufacturing.
IS32	Custom compounding of purchased resins.
IS33	Photographic film, paper, plate, and chemical manufacturing.

Code	Sector description
IS34	All other chemical product and preparation manufacturing.
IS35	Plastics product manufacturing.
IS36	Rubber product manufacturing.
IS37	Non-metallic mineral product manufacturing (includes cement, clay, concrete, glass, gypsum, lime, and other non-metallic mineral product manufacturing).
IS38	Primary metal manufacturing.
IS39	Fabricated metal product manufacturing.
IS40	Machinery manufacturing.
IS41	Computer and electronic product manufacturing.
IS42	Electrical equipment, appliance, and component manufacturing.
IS43	Transportation equipment manufacturing.
IS44	Furniture and related product manufacturing.
IS45	Miscellaneous manufacturing.
IS46	Wholesale and retail trade.
IS47	Services.
IS48	Other (requires additional information).

- (C) For each sector reported under paragraph (b)(4)(i)(B) of this section, the applicable code(s) from Table 6 to paragraph (b)(4)(i)(C) must be selected to designate the function category(ies) that best represents the specific manner in which the chemical substance is used. For the 2020 submission period:
- (1) Use column A in Table 6 to paragraph (b)(4)(i)(C) for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C)); and
 - (2) Use either column A or B in Table 6 to paragraph (b)(4)(i)(C) for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C). For the 2024 and future submission periods, use only column A in Table 6 to paragraph (b)(4)(i)(C). A particular function category may need to be reported more than once, to the extent that a submitter reports more than one industrial processing or use operation/sector combination (under paragraphs (b)(4)(i)(A) and (B) of this section) that applies to a given function category under this paragraph. If more than 10 unique combinations of industrial processing or use operations/sector/function categories apply to a chemical substance, submitters need only report the 10 unique combinations for the chemical substance that cumulatively represent the largest percentage of the submitter's

production volume for that chemical substance, measured by weight. If none of the listed function categories accurately describes a use of a chemical substance, the category “Other” may be used, and must include a description of the use.

TABLE 6 TO PARAGRAPH (b)(4)(i)(C)—CODES FOR REPORTING FUNCTION CATEGORIES

Column A		Column B	
Code	Category	Code	Category
F001	Abrasives	U001	Abrasives.
F002	Etching agent	U002	Adhesives and sealant chemicals.
F003	Adhesion/cohesion promoter		
F004	Binder		
F005	Flux agent		
F006	Sealant (barrier)	U003	Adsorbents and absorbents.
F007	Absorbent		
F008	Adsorbent		
F009	Dehydrating agent (desiccant)		
F010	Drier	U004	Agricultural chemicals (non-pesticidal).
F011	Humectant		
F012	Soil amendments (fertilizers)	U005	Anti-adhesive agents.
F013	Anti-adhesive/cohesive	U006	Bleaching agents.
F014	Dusting agent		
F015	Bleaching agent	U007	Corrosion inhibitors and anti-scaling agents.
F016	Brightener		
F017	Anti-scaling agent	U008	Dyes.
F018	Corrosion inhibitor		
F019	Dye	U009	Fillers.
F020	Fixing agent (mordant)		
F021	Hardener	U010	Finishing agents.
F022	Filler		
F023	Anti-static agent		
F024	Softener and conditioner		
F025	Swelling agent		
F026	Tanning agents not otherwise specified		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
F027	Waterproofing agent		
F028	Wrinkle resisting agent		
F029	Flame retardant	U011	Flame retardants.
F030	Fuel agents	U012	Fuels and fuel additives.
F031	Fuel		
F032	Heat transferring agent	U013	Functional fluids (closed systems).
F033	Hydraulic fluids		
F034	Insulators		
F035	Refrigerants		
F036	Anti-freeze agent	U014	Functional fluids (open systems).
F037	Intermediate	U015	Intermediates.
F038	Monomers		
F039	Ion exchange agent	U016	Ion exchange agents.
F040	Anti-slip agent	U017	Lubricants and lubricant additives.
F041	Lubricating agent		
F042	Deodorizer	U018	Odor agents.
F043	Fragrance		
F044	Oxidizing agent	U019	Oxidizing/reducing agents.
F045	Reducing agent		
F046	Photosensitive agent	U020	Photosensitive chemicals.
F047	Photosensitizers		
F048	Semiconductor and photovoltaic agent		
F049	UV stabilizer		
F050	Opacifer	U021	Pigments.
F051	Pigment		
F052	Plasticizer	U022	Plasticizers.
F053	Plating agent	U023	Plating agents and surface treating agents.
F054	Catalyst	U024	Process regulators.
F055	Chain transfer agent		
F056	Chemical reaction regulator		
F057	Crystal growth modifiers (nucleating agents)		
F058	Polymerization promoter		
F059	Terminator/Blocker		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph(b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
F060	Processing aids, specific to petroleum production	U025	Processing aids, specific to petroleum production.
F061	Antioxidant	U026	Processing aids, not otherwise listed.
F062	Chelating agent		
F063	Defoamer		
F064	pH regulating agent		
F065	Processing aids not otherwise specified		
F066	Energy Releasers (explosives, motive propellant)	U027	Propellants and blowing agents.
F067	Foamant		
F068	Propellants, non-motive (blowing agents)		
F069	Cloud-point depressant	U028	Solids separation agents.
F070	Flocculating agent		
F071	Flotation agent		
F072	Solids separation (precipitating) agent, not otherwise specified		
F073	Cleaning agent	U029	Solvents (for cleaning or degreasing).
F074	Diluent	U030	Solvents (which become part of product formulation or mixture).
F075	Solvent		
F076	Surfactant (surface active agent)	U031	Surface active agents.
F077	Emulsifier		
F078	Thickening agent	U032	Viscosity adjustors.
F079	Viscosity modifiers		
F080	Laboratory chemicals	U033	Laboratory chemicals.
F081	Dispersing agent	U034	Paint additives and coating additives not described by other categories.
F082	Freeze-thaw additive		
F083	Surface modifier		
F084	Wetting agent (non-aqueous)		
F085	Aerating and deaerating agents	U999	Other (specify).
F086	Explosion inhibitor		
F087	Fire extinguishing agent		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph(b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
F088	Flavoring and nutrient		
F089	Anti-redeposition agent		
F090	Anti-stain agent		
F091	Anti-streaking agent		
F092	Conductive agent		
F093	Incandescent agent		
F094	Magnetic element		
F095	Anti-condensation agent		
F096	Coalescing agent		
F097	Film former		
F098	Demulsifier		
F099	Stabilizing agent		
F100	Alloys		
F101	Density modifier		
F102	Elasticizer		
F103	Flow promoter		
F104	Sizing agent		
F105	Solubility enhancer		
F106	Vapor pressure modifiers		
F107	Embalming agent		
F108	Heat stabilizer		
F109	Preservative		
F110	Anti-caking agent		
F111	Deflocculant		
F112	Dust suppressant		
F113	Impregnation agent		
F114	Leaching agent		
F115	Tracer		
F116	X-ray absorber		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph(b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
F999	Other		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

TABLE 7 TO PARAGRAPH (b)(4)(i)(C)—CASRNs OF CHEMICAL SUBSTANCES DESIGNATED AS HIGH PRIORITY FOR RISK EVALUATION UNDER TSCA SECTION 6(b) ON DECEMBER 30, 2019

CASRN	Chemical substance
106-46-7	p-Dichlorobenzene.
107-06-2	1,2-Dichloroethane.
156-60-5	trans-1,2-Dichloroethylene.
95-50-1	o-Dichlorobenzene.
79-00-5	1,1,2-Trichloroethane.
78-87-5	1,2-Dichloropropane.
75-34-3	1,1-Dichloroethane.
84-74-2	Dibutyl phthalate (DBP) (1,2-Benzene-dicarboxylic acid, 1,2-dibutyl ester).
85-68-7	Butyl benzyl phthalate (BBP)—1,2-Benzene-dicarboxylic acid, 1-butyl 2(phenylmethyl) ester.
117-81-7	Di-ethylhexyl phthalate (DEHP)—(1,2-Benzene-dicarboxylic acid, 1,2-bis(2-ethylhexyl) ester).
84-69-5	Di-isobutyl phthalate (DIBP)—(1,2-Benzene-dicarboxylic acid, 1,2-bis-(2methylpropyl) ester).
84-61-7	Dicyclohexyl phthalate.
79-94-7	4,4'-(1-Methylethylidene)bis[2,6-dibromophenol] (TBBPA).
115-96-8	Tris(2-chloroethyl) phosphate (TCEP).
115-86-6	Phosphoric acid, triphenyl ester (TPP).
106-93-4	Ethylene dibromide.
106-99-0	1,3-Butadiene.
1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopental[g]-2-benzopyran (HHCB).
50-00-0	Formaldehyde.

CASRN	Chemical substance
85-44-9	Phthalic anhydride.

- (D) The estimated percentage, rounded off to the closest 10 percent, of total production volume of the reportable chemical substance associated with each combination of industrial processing or use operation, sector, and function category. Where a particular combination of industrial processing or use operation, sector, and function category accounts for less than 5 percent of the submitter's site's total production volume of a reportable chemical substance, the percentage must not be rounded off to 0 percent if the production volume attributable to that industrial processing or use operation, sector, and function category combination is 25,000 lb (11,340 kg) or more during the reporting year. Instead, in such a case, submitters must report the percentage, rounded off to the closest 1 percent, of the submitter's site's total production volume of the reportable chemical substance associated with the particular combination of industrial processing or use operation, sector, and function category.
- (E) For each combination of industrial processing or use operation, sector, and function category, the submitter must estimate the number of sites at which each reportable chemical substance is processed or used. For each combination associated with each chemical substance, the submitter must select from among the ranges of sites listed in Table 8 to paragraph (b)(4)(i)(E) and report the corresponding code (*i.e.*, S1 through S7):

TABLE 8 TO PARAGRAPH (b)(4)(i)(E)—CODES FOR REPORTING NUMBERS OF SITES

Code	Range
S1	Fewer than 10 sites.
S2	At least 10 but fewer than 25 sites.
S3	At least 25 but fewer than 100 sites.
S4	At least 100 but fewer than 250 sites.
S5	At least 250 but fewer than 1,000 sites.
S6	At least 1,000 but fewer than 10,000 sites.
S7	At least 10,000 sites.

- (F) For each combination of industrial processing or use operation, sector, and function category, the submitter must estimate the number of workers reasonably likely to be exposed to each reportable chemical substance. For each combination associated with each chemical substance, the submitter must select from among the worker ranges listed in paragraph (b)(3)(vii) of this section and report the corresponding code (*i.e.*, W1 though W8).

(ii) **Consumer and commercial use information.**

- (A) Using the applicable codes listed in Table 9 to paragraph (b)(4)(ii)(A), submitters must designate the consumer and commercial product category(ies) that best describe the consumer and commercial products in which each reportable chemical substance is used (whether the recipient site(s) are controlled by the submitter site or not). For the 2020 submission period:
- (1) Use column A in Table 9 to paragraph (b)(4)(ii)(A) for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C); and
- (2) Use either column A or B in Table 9 to paragraph (b)(4)(ii)(A) for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C). For the 2024 and future submission periods, use only column A in Table 9 to paragraph (b)(4)(ii)(A). If more than 10 codes apply to a chemical substance, submitters need only report the 10 codes for the chemical substance that cumulatively represent the largest percentage of the submitter's production volume for that chemical, measured by weight. If none of the listed consumer and commercial product categories accurately describes the consumer and commercial products in which each reportable chemical substance is used, the category "Other" may be used, and must include a description of the use.

TABLE 9 TO PARAGRAPH (b)(4)(ii)(A)—CODES FOR REPORTING CONSUMER AND COMMERCIAL PRODUCT CATEGORIES

Column A		Column B	
Code	Category	Code	Category
CHEMICAL SUBSTANCES IN FURNISHING, CLEANING, TREATMENT CARE PRODUCTS			
CC101	Construction and building materials covering large surface areas including stone, plaster, cement, glass and ceramic articles; fabrics, textiles, and apparel	C101	Floor coverings.
CC102	Furniture & furnishings including plastic articles (soft); leather articles	C102	Foam seating and bedding products.
CC103	Furniture & furnishings including stone, plaster, cement, glass and ceramic articles; metal articles; or rubber articles	C103	Furniture and furnishings not covered elsewhere.
CC104	Leather conditioner	C104	Fabric, textile, and leather products not covered elsewhere.
CC105	Leather tanning, dye, finishing, impregnation and care		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
	products		
CC106	Textile (fabric) dyes		
CC107	Textile finishing and impregnating/surface treatment products		
CC108	All-purpose foam spray cleaner	C105	Cleaning and furnishing care products.
CC109	All-purpose liquid cleaner/polish		
CC110	All-purpose liquid spray cleaner		
CC111	All-purpose waxes and polishes		
CC112	Appliance cleaners		
CC113	Drain and toilet cleaners (liquid)		
CC114	Powder cleaners (floors)		
CC115	Powder cleaners (porcelain)		
CC116	Dishwashing detergent (liquid/gel)	C106	Laundry and dishwashing products.
CC117	Dishwashing detergent (unit dose/granule)		
CC118	Dishwashing detergent liquid (hand-wash)		
CC119	Dry cleaning and associated products		
CC120	Fabric enhancers		
CC121	Laundry detergent (unit-dose/granule)		
CC122	Laundry detergent (liquid)		
CC123	Stain removers		
CC124	Ion exchangers	C107	Water treatment products.
CC125	Liquid water treatment products		
CC126	Solid/Powder water treatment products		
CC127	Liquid body soap	C108	Personal care products.
CC128	Liquid hand soap		
CC129	Solid bar soap		
CC130	Air fresheners for motor vehicles	C109	Air care products.
CC131	Continuous action air fresheners		
CC132	Instant action air fresheners		
CC133	Anti-static spray	C110	Apparel and footwear care products.
CC134	Apparel finishing, and impregnating/surface treatment		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
	products		
CC135	Insect repellent treatment		
CC136	Pre-market waxes, stains, and polishes applied to footwear		
CC137	Post-market waxes, and polishes applied to footwear (shoe polish)		
CC138	Waterproofing and water-resistant sprays		
CHEMICAL SUBSTANCES IN CONSTRUCTION, PAINT, ELECTRICAL, AND METAL PRODUCTS			
CC201	Fillers and putties	C201	Adhesives and sealants.
CC202	Hot-melt adhesives		
CC203	One-component caulks		
CC204	Solder		
CC205	Single-component glues and adhesives		
CC206	Two-component caulks		
CC207	Two-component glues and adhesives		
CC208	Adhesive/Caulk removers	C202	Paints and coatings.
CC209	Aerosol spray paints		
CC210	Lacquers, stains, varnishes and floor finishes		
CC211	Paint strippers/removers		
CC212	Powder coatings		
CC213	Radiation curable coatings		
CC214	Solvent-based paint		
CC215	Thinners		
CC216	Water-based paint		
CC217	Construction and building materials covering large surface areas, including wood articles	C203	Building/construction materials—wood and engineered wood products.
CC218	Construction and building materials covering large surface areas, including paper articles; metal articles; stone, plaster, cement, glass and ceramic articles	C204	Building/construction materials not covered elsewhere.
CC219	Machinery, mechanical appliances, electrical/electronic articles	C205	Electrical and electronic products.
CC220	Other machinery, mechanical appliances, electronic/electronic articles		

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
CC221	Construction and building materials covering large surface areas, including metal articles	C206	Metal products not covered elsewhere.
CC222	Electrical batteries and accumulators	C207	Batteries.
CHEMICAL SUBSTANCES IN PACKAGING, PAPER, PLASTIC, TOYS, HOBBY PRODUCTS			
CC990	Non-TSCA use	C301	Food packaging.
CC301	Packaging (excluding food packaging), including paper articles	C302	Paper products.
CC302	Other articles with routine direct contact during normal use, including paper articles		
CC303	Packaging (excluding food packaging), including rubber articles; plastic articles (hard); plastic articles (soft)	C303	Plastic and rubber products not covered elsewhere.
CC304	Other articles with routine direct contact during normal use including rubber articles; plastic articles (hard)		
CC305	Toys intended for children's use (and child dedicated articles), including fabrics, textiles, and apparel; or plastic articles (hard)	C304	Toys, playground, and sporting equipment.
CC306	Adhesives applied at elevated temperatures	C305	Arts, crafts, and hobby materials.
CC307	Cement/concrete		
CC308	Crafting glue		
CC309	Crafting paint (applied to body)		
CC310	Crafting paint (applied to craft)		
CC311	Fixatives and finishing spray coatings		
CC312	Modelling clay		
CC313	Correction fluid/tape	C306	Ink, toner, and colorant products.
CC314	Inks in writing equipment (liquid)		
CC315	Inks used for stamps		
CC316	Toner/Printer cartridge		
CC317	Liquid photographic processing solutions	C307	Photographic supplies, film, and photochemicals.
CHEMICAL SUBSTANCES IN AUTOMOTIVE, FUEL, AGRICULTURE, OUTDOOR USE PRODUCTS			
CC401	Exterior car washes and soaps	C401	Automotive care products.

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

Column A		Column B	
Code	Category	Code	Category
CC402	Exterior car waxes, polishes, and coatings	C402	Lubricants and greases.
CC403	Interior car care		
CC404	Touch up auto paint		
CC405	Degreasers		
CC406	Liquid lubricants and greases		
CC407	Paste lubricants and greases	C403	Anti-freeze and de-icing products.
CC408	Spray lubricants and greases		
CC409	Anti-freeze liquids		
CC410	De-icing liquids		
CC411	De-icing solids		
CC412	Lock de-icers/releasers	C404	Fuels and related products.
CC413	Cooking and heating fuels		
CC414	Fuel additives		
CC415	Vehicular or appliance fuels		
CC416	Explosive materials		
CC417	Agricultural non-pesticidal products	C405	Explosive materials.
CC418	Lawn and garden care products	C406	Agricultural products (non-pesticidal).
		C407	Lawn and garden care products.
CHEMICAL SUBSTANCES IN PRODUCTS NOT DESCRIBED BY OTHER CODES			
CC980	Other (specify)	C909	Other (specify).
CC990	Non-TSCA use	C980	Non-TSCA use.

For the 2020 submission period: (1) Use column A for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C) and (2) use either column A or B for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C).

For the 2024 and future submission periods, use only column A.

(B) For each consumer and commercial product category reported under paragraph (b)(4)(ii)(A) of this section, the applicable code(s) described in paragraph (b)(4)(i)(C) of this section must be selected to designate the function category(ies) that best represents the specific manner in which the chemical substance is used. For the 2020 submission period:

(1) Use column A in Table 6 to paragraph (b)(4)(i)(C) for chemical substances designated in 2019 as high priority for risk evaluation (those chemicals listed in Table 7 to paragraph (b)(4)(i)(C); and

- (2) Use either column A or B in Table 6 to paragraph (b)(4)(i)(C) for chemical substances not listed in Table 7 to paragraph (b)(4)(i)(C). For the 2024 and future submission periods, use only column A in Table 6 to paragraph (b)(4)(i)(C). A particular function category may need to be reported more than once, to the extent that a submitter reports more than one consumer or commercial product category (under paragraph (b)(4)(ii)(A) of this section) that applies to a given function category under this paragraph. If none of the listed function categories accurately describes a use of a chemical substance, the category "Other" may be used, and must include a description of the use.
- (C) An indication, within each consumer and commercial product category reported under paragraph (b)(4)(ii)(A) of this section, whether the use is a consumer or a commercial use.
- (D) Submitters must determine, within each consumer and commercial product category reported under paragraph (b)(4)(ii)(A) of this section, whether any amount of each reportable chemical substance manufactured (including imported) by the submitter is present in (for example, a plasticizer chemical substance used to make pacifiers) or on (for example, as a component in the paint on a toy) any consumer products intended for use by children age 14 or younger, regardless of the concentration of the chemical substance remaining in or on the product. Submitters must select from the following options: The chemical substance is used in or on any consumer products intended for use by children; the chemical substance is not used in or on any consumer products intended for use by children; or information as to whether the chemical substance is used in or on any consumer products intended for use by children is not known to or reasonably ascertainable by the submitter.
- (E) The estimated percentage, rounded off to the closest 10 percent, of the submitter's site's total production volume of the reportable chemical substance associated with each consumer and commercial product category. Where a particular consumer and commercial product category accounts for less than 5 percent of the total production volume of a reportable chemical substance, the percentage must not be rounded off to 0 percent if the production volume attributable to that commercial and consumer product category is 25,000 lb (11,340 kg) or more during the reporting year. Instead, in such a case, submitters must report the percentage, rounded off to the closest 1 percent, of the submitter's site's total production volume of the reportable chemical substance associated with the particular consumer and commercial product category.
- (F) Where the reportable chemical substance is used in consumer or commercial products, the estimated typical maximum concentration, measured by weight, of the chemical substance in each consumer and commercial product category reported under paragraph (b)(4)(ii)(A) of this section. For each chemical substance in each commercial and consumer product category reported under paragraph (b)(4)(ii)(A) of this section, submitters must select from among the ranges of concentrations listed in Table 3 to paragraph (b)(3)(viii) of this section and report the corresponding code (i.e., M1 through M5).

- (G) Where the reportable chemical substance is used in a commercial product, the submitter must estimate the number of commercial workers reasonably likely to be exposed to each reportable chemical substance. For each combination associated with each substance, the submitter must select from among the worker ranges listed in Table 2 to paragraph (b)(3)(vii) of this section and report the corresponding code (i.e., W1 through W8).

[85 FR 20139, Apr. 9, 2020]

§ 711.20 When to report.

All information reported to EPA in response to the requirements of this part must be submitted during an applicable submission period. The 2024 CDR submission period is from June 1, 2024, to November 22, 2024. Subsequent recurring submission periods are from June 1 to September 30 at 4-year intervals, beginning in 2028. In each submission period, any person described in § 711.8 must report as described in this part.

[85 FR 75238, Nov. 25, 2020, as amended at 89 FR 79152, Sept. 27, 2024]

§ 711.22 Duplicative reporting.

- (a) **With regard to TSCA section 8(a) rules.** Any person subject to the requirements of this part who previously has complied with reporting requirements of a rule under TSCA section 8(a) by submitting the information described in § 711.15 for a chemical substance described in § 711.5 to EPA, and has done so within 1 year of the start of a submission period described in § 711.20, is not required to report again on the manufacture of that chemical substance at that site during that submission period.
- (b) **With regard to importers.** This part requires that only one report be submitted on each import transaction involving a chemical substance described in § 711.5. When two or more persons are involved in a particular import transaction and each person meets the Agency's definition of "importer" as set forth in 40 CFR 704.3, they may determine among themselves who should submit the required report; if no report is submitted as required under this part, EPA will hold each such person liable for failure to report.
- (c) **Co-manufactured chemicals.** This part requires that only one report per site be submitted on each chemical substance described in § 711.5. However, both the contracting company and producing company are liable if no report is made. When a company contracts with a producing company to manufacture a chemical substance, and each party meets the definition of "manufacturer" as set forth in § 711.3, reporting of the co-manufactured chemical can be performed by one of the following methods:
 - (1) The contracting company initiates the required report for that site as the primary submitter. The contracting company must indicate on the report that this is a co-manufacturing situation, notify the producing company, and record the production volume domestically co-manufactured as set forth in § 711.15(b)(3) and processing and use information set forth in § 711.15(b)(4). Upon notification by the contracting company, the producing company must also record the production volume domestically co-manufactured and complete the rest of the report as prompted by e-CDRweb.
 - (2) Upon written agreement between the contracting company and the producing company, the producing company completes the full report for the co-manufactured chemical. The contracting company supplies the information not otherwise known to or reasonably ascertainable by the producing company.

[76 FR 54933, Sept. 6, 2011, as amended at 85 FR 20148, Apr. 9, 2020]

§ 711.25 Recordkeeping requirements.

Each person who is subject to the reporting requirements of this part must retain records that document any information reported to EPA. Records relevant to reporting during a submission period must be retained for a period of 5 years beginning on the last day of the submission period. Submitters are encouraged to retain their records longer than 5 years to ensure that past records are available as a reference when new submissions are being generated.

§ 711.30 Confidentiality claims.

(a) *Making confidentiality claims* –

- (1) **Generally.** Any person submitting information under this part may assert a confidentiality claim for that information at the time it is submitted, except for information described in paragraph (a)(2). Any such confidentiality claims must be asserted at the time the information is submitted. These claims will apply only to the information submitted with the claim. Instructions for asserting confidentiality claims are provided in the document identified in § 711.35. Information claimed as confidential in accordance with this section will be treated and disclosed in accordance with the procedures in 40 CFR part 2 and section 14 of TSCA.
- (2) **Exceptions.** Confidentiality claims cannot be asserted:
 - (i) For chemical identities listed on the public portion of the TSCA Inventory;
 - (ii) For processing and use data elements required by § 711.15(b)(4)(i)(A), (B), and (C) and § 711.15(b)(4)(ii)(A), (B), (C), and (D); or
 - (iii) When a response is left blank or designated as “not known or reasonably ascertainable.”
- (3) **Substantiations.** All confidentiality claims must be substantiated at time of submission, in accordance with the requirements in paragraphs (b), (c), and (d)(1) of this section, and must be signed and dated by an authorized official. Confidentiality claims for the following data elements are exempt from this substantiation requirement:
 - (i) Production volume information required pursuant to § 711.15(b)(3)(iii).
 - (ii) Joint submission information from the primary submitter, consisting of trade name and supplier identification required pursuant to § 711.15(b)(3)(i)(A) and (B).
 - (iii) Joint submission information from the secondary submitter, consisting of the percentage of formulation required pursuant to § 711.15(b)(3)(i)(A) and (B).
 - (iv) Information that is supplied in a petition submitted under § 711.6(b)(2)(iii) or § 711.10(d)(1)(ii) and that is described in section 14(c)(2) of TSCA.
- (4) **Marking information claimed as confidential in confidentiality substantiation documentation.** If any of the information contained in the answers to the questions listed in paragraphs (b) and (c) of this section is asserted to contain information that itself is considered to be confidential, you must clearly identify the information that is claimed confidential.
- (5) **Certification statement for claims.** An authorized official representing a person asserting a claim of confidentiality must certify that the submission complies with the requirements of this part by signing and dating the following certification statement:

"I certify that all claims for confidentiality asserted with this submission are true and correct, and all information submitted herein to substantiate such claims is true and correct. Any knowing and willful misrepresentation is subject to criminal penalty pursuant to 18 U.S.C. 1001. I further certify that: (1) I have taken reasonable measures to protect the confidentiality of the information; (2) I have determined that the information is not required to be disclosed or otherwise made available to the public under any other Federal law; (3) I have a reasonable basis to conclude that disclosure of the information is likely to cause substantial harm to the competitive position of my company; and (4) I have a reasonable basis to believe that the information is not readily discoverable through reverse engineering."

- (6) ***Company, site, and technical contact identity information.*** A submitter may assert a claim of confidentiality for a site, company, or technical contact identity to protect the link between that information and the reported chemical substance. Such claim may be asserted only when the linkage of that information to a reportable chemical substance is confidential and not publicly available.
- (7) ***Processing and use information.*** A submitter may assert a claim of confidentiality for each data element required by § 711.15(b)(4)(i)(D), (E) and (F) and § 711.15(b)(4)(ii)(E), (F), and (G) to protect the link between that information and the reported chemical substance. Such claim may be asserted only when the linkage of that information to a reportable chemical substance is confidential and not publicly available.
- (b) ***All confidentiality claims requiring substantiation at time of submission.*** For each data element (or information supplied in a petition submitted under § 711.6(b)(2)(iii)(A) or § 711.10(d)(1)(ii)(A)) that is claimed as confidential, you must submit with your report detailed written answers to the following questions:
- (1) Will disclosure of the information claimed as confidential likely cause substantial harm to your business's competitive position? If you answered yes, describe the substantial harmful effects that would likely result to your competitive position if the information is disclosed, including but not limited to how a competitor could use such information, and the causal relationship between the disclosure and the harmful effects.
- (2) To the extent your business has disclosed the information to others (both internally and externally), has your business taken precautions to protect the confidentiality of the disclosed information? If yes, please explain and identify the specific measures, including but not limited to internal controls, that your business has taken to protect the information claimed as confidential.
- (3)
- (i) Is any of the information claimed as confidential required to be publicly disclosed under any other Federal law? If yes, please explain.
- (ii) Does any of the information claimed as confidential otherwise appear in any public documents, including (but not limited to) safety data sheets; advertising or promotional material; professional or trade publications; state, local, or Federal agency files; or any other media or publications available to the general public? If yes, please explain why the information should be treated as confidential.
- (iii) Does any of the information claimed as confidential appear in one or more patents or patent applications? If yes, please provide the associated patent number or patent application number (or numbers) and explain why the information should be treated as confidential.

- (4) Does any of the information that you are claiming as confidential constitute a trade secret? If yes, please explain how the information you are claiming as confidential constitutes a trade secret.
- (5) Is the claim of confidentiality intended to last less than 10 years (see TSCA section 14(e)(1)(B))? If yes, please indicate the number of years (between 1-10 years) or the specific date after which the claim is withdrawn.
- (6) Has EPA, another federal agency, or court made any confidentiality determination regarding information associated with this chemical substance? If yes, please provide the circumstances associated with the prior determination, whether the information was found to be entitled to confidential treatment, the entity that made the decision, and the date of the determination.

(c) **Additional requirements for specific chemical identity.** A person may assert a claim of confidentiality for the specific chemical identity of a chemical substance as described in § 711.15(b)(3) of this part only if the identity of that chemical substance is treated as confidential in the Master Inventory File as of the time the report is submitted for that chemical substance. Generic chemical identities and accession numbers may not be claimed as confidential. To assert a claim of confidentiality for the identity of a reportable chemical substance, you must submit with the report detailed written answers to the questions from paragraph (b) of this section and to the following questions.

- (1) Is this chemical substance publicly known (including by your competitors) to be in U.S. commerce? If yes, please explain why the specific chemical identity should still be afforded confidential status (e.g., the chemical substance is publicly known only as being distributed in commerce for research and development purposes, but no other information about the current commercial distribution of the chemical substance in the United States is publicly available). If no, please complete the certification statement:

I certify that on the date referenced, I searched the internet for the chemical substance identity (i.e., by both chemical substance name and CASRN). I did not find a reference to this chemical substance that would indicate that the chemical is being manufactured or imported by anyone for a commercial purpose in the United States. [provide date].

- (2) Does this particular chemical substance leave the site of manufacture (including import) in any form, e.g., as a product, effluent, emission? If yes, please explain what measures have been taken to guard against the discovery of its identity.
- (3) If the chemical substance leaves the site in a form that is available to the public or your competitors, can the chemical identity be readily discovered by analysis of the substance (e.g., product, effluent, emission), in light of existing technologies and any costs, difficulties, or limitations associated with such technologies? Please explain why or why not.
- (4) Would disclosure of the specific chemical name release confidential process information? If yes, please explain.

(d) **Special situations –**

- (1) **Joint submissions.** If a primary submitter asks a secondary submitter to provide information directly to EPA in a joint submission under § 711.15(b)(3)(i)(A) and (B), only the primary submitter may assert a confidentiality claim for the data elements that it directly submits to EPA. The primary submitter must substantiate those claims that are not exempt under paragraph (a)(3)(ii) of this

section. The secondary submitter is responsible for asserting all confidentiality claims for the data elements that it submits directly to EPA and for substantiating those claims that are not exempt under paragraph (a)(3)(iii) of this section.

(2) **Petitions.** If a petition submitted under § 711.6(b)(2)(iii)(A) or § 711.10(d)(1)(ii)(A) includes any information claimed as confidential, the petitioner must provide a version of the petition that redacts the information claimed as confidential.

(e) **No claim of confidentiality.** Information not claimed as confidential in accordance with the requirements of this section may be made public without further notice to the submitter.

[85 FR 20148, Apr. 9, 2020]

§ 711.35 Electronic filing.

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

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

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

(1) **By website.** Go to the EPA Chemical Data Reporting internet homepage at <http://www.epa.gov/cdr> and follow the appropriate links.

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

[76 FR 54933, Sept. 6, 2011, as amended at 85 FR 20149, Apr. 9, 2020]