

DEPARTMENT OF TRANSPORTATION

Research and Special Programs Administration

49 CFR Part 172

[Docket No. HM-145J; Amdt No. 172-135]

RIN 2137-AA56

Hazardous Substances

AGENCY: Research and Special Programs Administration (RSPA), DOT.

ACTION: Final rule.

SUMMARY: In this final rule, RSPA is amending the Hazardous Materials Regulations (HMR) by revising the "List of Hazardous Substances and Reportable Quantities" which appears in an Appendix to the hazardous materials table. This action is necessary to comply with the Superfund Amendments and Reauthorization Act (SARA) of 1986, which amended the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) to mandate that RSPA regulate, under the HMR, all hazardous substances designated by the Environmental Protection Agency (EPA). The intended effect of this action is to enable shippers and carriers to identify CERCLA hazardous substances, thereby enabling them to comply with all applicable HMR requirements and to make the required notifications if a discharge of a hazardous substance occurs.

DATES: This amendment is effective August 29, 1994. However, immediate compliance with the regulations as amended herein is authorized.

FOR FURTHER INFORMATION CONTACT: John A. Gale (202) 366-8553, Office of Hazardous Materials Standards, or George Cushmac (202) 366-4545, Office of Hazardous Materials Technology, RSPA, 400 7th Street, SW, Washington, DC 20590. Questions about hazardous substance designations or reportable quantities should be directed to the Environmental Protection Agency (EPA). Call the RCRA/Superfund hotline at (800) 424-9346 or, in Washington, DC, (202) 382-3000.

SUPPLEMENTARY INFORMATION:

I. Background

Section 202 of SARA (Pub. L. 99-499) amended Section 306(a) of CERCLA (Pub. L. 96-510), 42 U.S.C. 9656(a), by requiring the Secretary of Transportation to list and regulate hazardous substances, listed or designated under Section 101(14) of CERCLA, 42 U.S.C. 9601(14), as hazardous materials under the Hazardous Materials Transportation Act

(HMTA; 49 App. U.S.C. 1801 et seq.). RSPA carries out the rulemaking responsibilities of the Secretary of Transportation under the HMTA. 49 CFR 1.53(b). This final rule is necessary to comply with 42 U.S.C. 9656(a) as amended by Section 202 of SARA.

In carrying out that statutory mandate, RSPA has no discretion to determine what is or is not a hazardous substance or the appropriate reportable quantity (RQ) for materials designated as hazardous substances. This authority is vested in EPA. Therefore, under the CERCLA scheme EPA must issue final rules amending the list of CERCLA hazardous substances, including adjusting RQ's, before RSPA can amend its list of hazardous substances. In the preamble to the final rule on this subject issued under Docket HM-145F (51 FR 42174; November 21, 1986), RSPA included the following statement:

It is RSPA's intention to make changes from time to time to the list of hazardous substances or their RQ's in the Appendix as adjustments are made by EPA.

This document adjusts the "List of Hazardous Substances and Reportable Quantities" that appears in Appendix A to § 172.101, based on several final rules EPA has published. On November 2, 1990 (55 FR 46354), EPA published a final rule which added the waste codes F037 and F038 to the list of hazardous substances with RQ's of 1 pound. On December 6, 1990 (55 FR 50450), EPA published a final rule which added the waste codes FO32, F034, and F035 to the list of hazardous substances with RQ's of 1 pound. On August 18, 1992 (57 FR 37194), EPA published a final rule which added the waste codes K141, K142, K143, K144, K145, K147 and K148 to the list of hazardous substances with RQ's of 1 pound. On October 15, 1992 (57 FR 47376), EPA published a final rule which added the waste codes K149, K150 and K151 to the list of hazardous substances, with RQ's of 10 pounds. On June 30, 1993 (58 FR 35314), EPA published a final rule which revised the RQ for 34 hazardous substances. These substances include lead metal, 12 lead compounds, 15 waste streams that contain lead, characteristic wastes that fail the Toxicity Characteristic Leaching Procedure based on their lead constituents, and methyl isocyanate. The following table identifies those substances that have had their RQ's revised.

SUBSTANCES WHOSE RQ HAS CHANGED

| Substance | New RQ/ Old RQ (lbs) |
|---|----------------------------|
| Acetic acid, Lead (2+) salt | 10/5000 |
| Lead | 10/1 |
| Lead acetate | 10/5000 |
| Lead bis (acetatato-0) tetrahydroxytri- | 10/100 |
| Lead chloride | 10/100 |
| Lead fluoroborate | 10/100 |
| Lead fluoride | 10/100 |
| Lead iodide | 10/100 |
| Lead nitrate | 10/100 |
| Lead phosphate | 10/1 |
| Lead stearate | 10/5000 |
| Lead subacetate | 10/100 |
| Lead sulfate | 10/100 |
| Lead sulfide | 10/5000 |
| Lead thiocyanate | 10/100 |
| Methane, isocyanato- | 10/1 |
| Methyl isocyanate | 10/1 |
| Phosphoric acid, lead (2+) salt (2:3) | 10/1 |
| D008 | 10/1 |
| K002 | 10/1 |
| K003 | 10/1 |
| K005 | 10/100 |
| K046 | 10/100 |
| K048 | 10/1 |
| K049 | 10/1 |
| K051 | 10/1 |
| K061 | 10/1 |
| K062 | 10/1 |
| K064 | 10/1 |
| K065 | 10/1 |
| K066 | 10/1 |
| K069 | 10/1 |
| K086 | 10/1 |
| K100 | 10/1 |

To keep its "List of Hazardous Substances and Reportable Quantities" consistent with EPA's list of CERCLA hazardous substances and reportable quantities, RSPA is amending the HMR in accordance with these EPA final rules. In addition, RSPA is making several non-substantive editorial changes to its "List of Hazardous Substances and Reportable Quantities." The RQ for "diethylhexyl phthalate" is being revised to correctly read 100 pounds. In addition, RSPA is adding "methyl ethyl ketone" to the list of hazardous substances as a synonym for "methyl ethyl ketone (MEK)." RSPA is also amending the entry for DO41 to correctly read "D041 2,4,5-Trichlorophenol." Finally, RSPA is removing the footnote "*" from the list of hazardous substances. The footnote "*" symbolized that an entry also appeared in the Hazardous Materials Table in 49 CFR 172.101 (HMT) as a proper shipping name. However, the numerous changes to the HMT promulgated under Docket No. HM-181 on December 21, 1990 (55 FR 52401) make it impractical to determine if those

entries in the list of hazardous substances marked with the "*" are still proper shipping names in the revised HMT.

The paragraphs preceding the lists of hazardous substances are also editorially revised to indicate that the list of hazardous substances: (1) fulfills the requirement under CERCLA that all hazardous substances be listed and regulated as hazardous materials under the HMTA; and (2) includes substances listed under the Federal Water Pollution Control Act, Solid Waste Disposal Act, Clean Air Act, and those substances designated by the Administrator of EPA.

In addition, common and contract carriers are informed that they may be held liable under laws other than CERCLA for the release of a hazardous substance during transportation that commenced before the effective date of the listing and regulating of that substance under the HMTA.

This rulemaking will enable shippers and carriers to identify CERCLA hazardous substances and thereby enable them to comply with all applicable HMR requirements and to make the required notifications if a discharge of a hazardous substance occurs. In addition to the reporting requirements of the HMR found in §§ 171.15 and 171.16, a discharge of a hazardous substance is subject to EPA reporting requirements at 40 CFR 302.6 and may be subject to the reporting requirements of the U.S. Coast Guard at 33 CFR 153.203.

Because this rulemaking makes numerous modifications to the "List of Hazardous Substances and Reportable Quantities" found in Appendix A to § 172.101, RSPA is reprinting "Table 1—Hazardous Substances Other than Radionuclides" in its entirety.

II. Regulatory Analyses and Notices

In accordance with the Administrative Procedure Act, 5 U.S.C. 553(b)(3)(B), RSPA has determined that a notice of proposed rulemaking and an opportunity for public comment and review are impracticable and unnecessary. SARA mandates that the Department of Transportation list and regulate, as hazardous materials under 49 CFR Parts 171–180, hazardous substances designated by EPA under CERCLA. EPA is the sole agency authorized to designate hazardous substances and their reportable quantities. Therefore, public comment and review are unnecessary because: (1) The public was afforded time to comment when EPA published its notice of proposed rulemaking concerning that agency's change in the subject RQ's; and (2) RSPA does not

have the authority to designate hazardous substances or determine their reportable quantities.

Executive Order 12866 and DOT Regulatory Policies and Procedures

This final rule is not considered a significant regulatory action under section 3(f) of Executive Order 12866 and, therefore, was not reviewed by the Office of Management and Budget. The rule is not considered significant under the regulatory policies and procedures of the Department of Transportation (44 FR 11034). The economic impact of this final rule is minimal to the extent that preparation of a regulatory evaluation is not warranted.

Executive Order 12612

This final rule has been analyzed in accordance with the principles and criteria contained in Executive Order 12612 ("Federalism"). The Hazardous Materials Transportation Act contains an express preemption provision (49 App. U.S.C. 1804(a)4) that preempts State, local, and Indian tribe requirements on certain covered subjects. Covered subjects are:

- (i) the designation, description, and classification of hazardous materials;
- (ii) the packing, repacking, handling, labeling, marking, and placarding of hazardous materials;
- (iii) the preparation, execution, and use of shipping documents pertaining to hazardous materials and requirements respecting the number, content, and placement of such documents;
- (iv) the written notification, recording, and reporting of the unintentional release in transportation of hazardous materials; or
- (v) the design, manufacturing, fabrication, marking, maintenance, reconditioning, repairing, or testing of a package or container which is represented, marked, certified, or sold as qualified for use in the transportation of hazardous materials.

This final rule concerns the designation of hazardous materials. This final rule preempts State, local, or Indian tribe requirements in accordance with the standards set forth above. The HMTA (49 App. U.S.C. 1804(a)(5)) provides that if DOT issues a regulation concerning any of the covered subjects after November 16, 1990, DOT must determine and publish in the **Federal Register** the effective date of Federal preemption. That effective date may not be earlier than the 90th day following the date of issuance of the final rule and not later than two years after the date of issuance. RSPA has determined that the effective date of Federal preemption for these requirements will be [insert date 90 days after date of publication]. This rule is mandated by CERCLA, and does not have sufficient federalism

implications to warrant preparation of a Federalism Assessment.

Regulatory Flexibility Act

I certify that this final rule will not have a significant economic impact on a substantial number of small entities. This rule applies to shippers and carriers of hazardous substances, some of which are small entities; however, the economic impact of this rule is minimal.

Paperwork Reduction Act

There are no new information collection requirements in this final rule.

Regulation Identifier Number (RIN)

A regulation identifier number (RIN) is assigned to each regulatory action listed in the Unified Agenda of Federal Regulations. The Regulatory Information Service Center publishes the Unified Agenda in April and October of each year. The RIN number contained in the heading of this document can be used to cross-reference this action with the Unified Agenda.

List of Subjects in 49 CFR Part 172

Hazardous materials transportation, Hazardous wastes, Labels, Markings, Packaging and containers, Reporting and recordkeeping requirements.

Issued in Washington, DC on June 6, 1994 under authority delegated in 49 CFR part 1. **Ana Sol Gutiérrez,**

Acting Administrator, Research and Special Programs Administration.

In consideration of the foregoing, Part 172 of Title 49, Code of Federal Regulations, is amended as follows:

PART 172—HAZARDOUS MATERIALS TABLE, SPECIAL PROVISIONS, HAZARDOUS MATERIALS COMMUNICATIONS, EMERGENCY RESPONSE INFORMATION, AND TRAINING REQUIREMENTS

1. The authority citation for Part 172 continues to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1808; 49 CFR Part 1, unless otherwise noted.

2. In Appendix A to § 172.101, the paragraphs preceding the tables, and Table 1 are revised to read as follows:

Appendix A to § 172.101—List of Hazardous Substances and Reportable Quantities

1. This Appendix lists materials and their corresponding reportable quantities (RQ's) that are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601(14) (CERCLA; 42 U.S.C. 9601 *et seq.*)

This listing fulfills the requirement of CERCLA, 42 U.S.C. 9656(a), that all "hazardous substances," as defined in 42 U.S.C. 9601(14), be listed and regulated as hazardous materials under the Hazardous Materials Transportation Act. That definition includes substances listed under sections 311(b)(2)(A) and 307(a) of the Federal Water Pollution Control Act, 33 U.S.C. 1321(b)(2)(A) and 1317(a), section 3001 of the Solid Waste Disposal Act, 42 U.S.C. 6921, and section 112 of the Clean Air Act, 42 U.S.C. 7412. In addition, this list contains materials that the Administrator of the Environmental Protection Agency has determined to be hazardous substances in accordance with section 102 of CERCLA, 42 U.S.C. 9602. It should be noted that 42 U.S.C. 9656(b) provides that common and contract carriers may be held liable under laws other than CERCLA for the release of a hazardous substance as defined in that Act, during transportation that commenced before the effective date of the listing and regulating of that substance as a hazardous material under the Hazardous Materials Transportation Act (49 App. U.S.C. 1801 et seq.).

2. This Appendix is divided into two TABLES which are entitled "TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES" and "TABLE 2—RADIONUCLIDES." A material listed in this Appendix is regulated as a hazardous material and a hazardous substance under this subchapter if it meets the definition of a hazardous substance in § 171.8 of this subchapter.

3. The procedure for selecting a proper shipping name for a hazardous substance is set forth in § 172.101(c)(8).

4. Column 1 of TABLE 1, entitled "Hazardous substance", contains the names of those elements and compounds that are hazardous substances. Following the listing of elements and compounds is a listing of waste streams. These waste streams appear on the list in numerical sequence and are referenced by the appropriate "D", "F" or "K" numbers. Column 2 of TABLE 1, entitled "Synonyms", contains the names of synonyms for certain elements and compounds listed in Column 1. No synonyms are listed for waste streams. Synonyms are useful in identifying hazardous substances and in identifying proper shipping names. Column 3 of TABLE 1, entitled "Reportable quantity (RQ)", contains the reportable quantity (RQ), in pounds and kilograms, for each hazardous substance listed in Column 1 of TABLE 1.

5. A series of notes is used throughout TABLE 1 and TABLE 2 to provide additional information concerning certain hazardous substances. These notes are explained at the end of each TABLE.

6. TABLE 2 lists radionuclides that are hazardous substances and their corresponding RQ's. The RQ's in Table 2 for radionuclides are expressed in units of curies and terabecquerels, whereas those in Table 1 are expressed in units of pounds and kilograms. If a material is listed in both Table 1 and Table 2, the lower RQ shall apply. Radionuclides are listed in alphabetical order. The RQ's for radionuclides are given

in the radiological unit of measure of curie, abbreviated "Ci", followed, in parentheses, by an equivalent unit measured in terabecquerels, abbreviated "TBq".

7. For mixtures of radionuclides, the following requirements shall be used in determining if a package contains an RQ of a hazardous substance: (i) if the identity and quantity (in curies or terabecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terabecquerels) and the RQ for the radionuclide must be determined for each radionuclide. A package contains an RQ of a hazardous substance when the sum of the ratios for the radionuclides in the mixture or solution is equal to or greater than one; (ii) if the identity of each radionuclide in a mixture or solution is known but the quantity per package (in curies or terabecquerels) of one or more of the radionuclides is unknown, an RQ of a hazardous substance is present in a package when the total quantity (in curies or terabecquerels) of the mixture or solution is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution; and (iii) if the identity of one or more radionuclides in a mixture or solution is unknown (or if the identity of a radionuclide by itself is unknown), an RQ of a hazardous substance is present when the total quantity (in curies or terabecquerels) in a package is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---------------------------------------|-------------------------------------|---|
| Acenaphthene | | 100 (45.4) |
| Acenaphthylene | | 5000 (2270) |
| Acetaldehyde | Ethanal | 1000 (454) |
| Acetaldehyde, chloro- | Chloroacetaldehyde | 1000 (454) |
| Acetaldehyde, trichloro- | Chloral | 5000 (2270) |
| Acetamide, N-(aminothioxomethyl)- | 1-Acetyl-2-thiourea | 1000 (454) |
| Acetamide, N-(4-ethoxyphenyl)- | Phenacetin | 100 (45.4) |
| Acetamide, N-fluoren-2-yl- | 2-Acetylaminofluorene | 1 (0.454) |
| Acetamide, 2-fluoro- | Fluoroacetamide | 100 (45.4) |
| Acetic acid | | 5000 (2270) |
| Acetic acid (2,4-dichlorophenoxy)- | 2,4-D, salts and esters | 100 (45.4) |
| | 2,4-D acid | |
| Acetic acid, ethyl ester | Ethyl acetate | 5000 (2270) |
| Acetic acid, fluoro-, sodium salt | Fluoroacetic acid, sodium salt | 10 (4.54) |
| Acetic acid, lead (2+) salt | Lead acetate | 10 (4.54) |
| Acetic acid, thallium(1+) salt | Thallium(I) acetate | 100 (45.4) |
| Acetic acid, (2,4,5-trichlorophenoxy) | 2,4,5-T | 1000 (454) |
| | 2,4,5-T acid | |
| Acetic anhydride | | 5000 (2270) |
| Acetone | 2-Propanone | 5000 (2270) |
| Acetone cyanohydrin | Propanenitrile, 2-hydroxy-2-methyl- | 10 (4.54) |
| | 2-Methylactonitrile | |
| Acetonitrile | Ethanenitrile | 5000 (2270) |
| Acetophenone | Ethanone, 1-phenyl- | 5000 (2270) |
| 2-Acetylaminofluorene | Acetamide, N-fluoren-2-yl- | 1 (0.454) |
| Acetyl bromide | | 5000 (2270) |
| Acetyl chloride | Ethanoyl chloride | 5000 (2270) |
| 1-Acetyl-2-thiourea | Acetamide, N-(aminothioxomethyl)- | 1000 (454) |
| Acrolein | 2-Propenal | 1 (0.454) |
| Acrylamide | 2-Propenamido | 5000 (2270) |
| Acrylic acid | 2-Propenoic acid | 5000 (2270) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|---|---|
| Acrylonitrile | 2-Propenenitrile | 100 (45.4) |
| Adipic acid | | 5000 (2270) |
| Aldicarb | Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime | 1 (0.454) |
| Aldrin | 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-endo,exo-dimethanonaphthalene 1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4abeta,5alpha,8a | 1 (0.454) |
| Allyl alcohol | 2-Propen-1-ol | 100 (45.4) |
| Allyl chloride | | 1000 (454) |
| Aluminum phosphide | | 100 (45.4) |
| Aluminum sulfate | | 5000 (2270) |
| 5-(Aminomethyl)-3-isoxazolol | 3(2H)-isoxazolone, 5-(aminomethyl)- Muscimol | 1000 (454) |
| 4-Aminopyridine | 4-Pyridinamine | 1000 (454) |
| Amtrite | 1H-1,2,4-Triazol-3-amine | 10 (4.54) |
| Ammonia | | 100 (45.4) |
| Ammonium acetate | | 5000 (2270) |
| Ammonium benzoate | | 5000 (2270) |
| Ammonium bicarbonate | | 5000 (2270) |
| Ammonium bichromate | Ammonium dichromate @ | 10 (4.54) |
| Ammonium bifluoride | | 100 (45.4) |
| Ammonium bisulfite | | 5000 (2270) |
| Ammonium carbamate | | 5000 (2270) |
| Ammonium carbonate | | 5000 (2270) |
| Ammonium chloride | | 5000 (2270) |
| Ammonium chromate | | 10 (4.54) |
| Ammonium citrate, dibasic | | 5000 (2270) |
| Ammonium dichromate @ | Ammonium bichromate | 10 (4.54) |
| Ammonium fluoborate | | 5000 (2270) |
| Ammonium fluoride | | 100 (45.4) |
| Ammonium hydroxide | | 1000 (454) |
| Ammonium oxalate | | 5000 (2270) |
| Ammonium picrate | Phenol, 2,4,6-trinitro-, ammonium salt | 10 (4.54) |
| Ammonium silicofluoride | | 1000 (454) |
| Ammonium sulfamate | | 5000 (2270) |
| Ammonium sulfide | | 100 (45.4) |
| Ammonium sulfite | | 5000 (2270) |
| Ammonium tartrate | | 5000 (2270) |
| Ammonium thiocyanate | | 5000 (2270) |
| Ammonium vanadate | Vanadic acid, ammonium salt | 1000 (454) |
| Amyl acetate | | 5000 (2270) |
| iso-Amyl acetate | | |
| sec-Amyl acetate | | |
| tert-Amyl acetate | | |
| Antiline | Benzenamine | 5000 (2270) |
| Anthracene | | 5000 (2270) |
| Antimony c | | 5000 (2270) |
| Antimony pentachloride | | 1000 (454) |
| Antimony potassium tartrate | | 100 (45.4) |
| Antimony tribromide | | 1000 (454) |
| Antimony trichloride | | 1000 (454) |
| Antimony trifluoride | | 1000 (454) |
| Antimony trioxide | | 1000 (454) |
| Argentate(1-), bis(cyano-C)-, potassium | Potassium silver cyanide | 1 (0.454) |
| Aroclor 1016 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1221 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1232 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1242 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1248 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1254 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Aroclor 1260 | POLYCHLORINATED BIPHENYLS (PCBs) | 1 (0.454) |
| Arsenic c | | 1 (0.454) |
| Arsenic acid | Arsenic acid H3AsO4 | 1 (0.454) |
| Arsenic acid H3AsO4 | Arsenic acid | 1 (0.454) |
| Arsenic disulfide | | 1 (0.454) |
| Arsenic oxide As2O3 | Arsenic trioxide | 1 (0.454) |
| Arsenic oxide As2O5 | Arsenic pentoxide | 1 (0.454) |
| Arsenic pentoxide | Arsenic oxide As2O5 | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|---|---|
| Arsenic trichloride | | 1 (0.454) |
| Arsenic trioxide | Arsenic oxide As ₂ O ₃ | 1 (0.454) |
| Arsenic trisulfide | | 1 (0.454) |
| Arsine, diethyl- | Diethylarsine | 1 (0.454) |
| Arsinic acid, dimethyl- | Cacodylic acid | 1 (0.454) |
| Arsonous dichloride, phenyl- | Dichlorophenylarsine | 1 (0.454) |
| | Phenyl dichloroarsine @ | |
| Asbestos cc | | 1 (0.454) |
| Auramine | Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl- | 100 (45.4) |
| Azaserine | L-Serine, diazoacetate (ester) | 1 (0.454) |
| Aziridine | Ethylenimine | 1 (0.454) |
| Aziridine, 2-methyl- | 1,2-Propylenimine | 1 (0.454) |
| Azirino[2',3':3,4]pyrrolo(1,2-a)indole-4,7-dione,6-amino-8- [[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a, 8b-hexahydro-8a- methoxy-5-methyl-, [1aS-[alpha,8beta,8alpha,8balpha)]- | Mitomycin C | 10 (4.54) |
| Barium cyanide | | 10 (4.54) |
| Benz[<i>j</i>]aceanthrylene, 1,2-dihydro-3-methyl- | 3-Methylcholanthrene | 10 (4.54) |
| Benz[<i>c</i>]acridine | 3,4-Benzacridine | 100 (45.4) |
| 3,4-Benzacridine | Benz[<i>c</i>]acridine | 100 (45.4) |
| Benzal chloride | Benzene, dichloromethyl- | 5000 (2270) |
| Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl) | Pronamide | 5000 (2270) |
| Benz[<i>a</i>]anthracene | Benzo[<i>a</i>]anthracene | 10 (4.54) |
| | 1,2-Benzanthracene | |
| 1,2-Benzanthracene | Benz[<i>a</i>]anthracene | 10 (4.54) |
| | Benzo[<i>a</i>]anthracene | |
| Benz[<i>a</i>]anthracene, 7,12-dimethyl- | 7,12-Dimethylbenz[<i>a</i>]anthracene | 1 (0.454) |
| Benzenamine | Aniline | 5000 (2270) |
| Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl- | Auramine | 100 (45.4) |
| Benzenamine, 4-chloro- | p-Chloroaniline | 1000 (454) |
| Benzenamine, 4-chloro-2-methyl-, hydrochloride | 4-Chloro- <i>o</i> -toluidine, hydrochloride | 100 (45.4) |
| Benzenamine, N,N-dimethyl-4-(phenylazo)- | p-Dimethylaminoazobenzene | 10 (4.54) |
| Benzenamine, 2-methyl- | <i>o</i> -Toluidine | 100 (45.4) |
| Benzenamine, 4-methyl- | p-Toluidine | 100 (45.4) |
| Benzenamine, 4,4'-methylenebis(2-chloro- | 4,4'-Methylenebis(2-chloroaniline) | 10 (4.54) |
| Benzenamine, 2-methyl-, hydrochloride | <i>o</i> -Toluidine hydrochloride | 100 (45.4) |
| Benzenamine, 2-methyl-5-nitro- | 5-Nitro- <i>o</i> -toluidine | 100 (45.4) |
| Benzenamine, 4-nitro- | p-Nitroaniline | 5000 (2270) |
| Benzene | | 10 (4.54) |
| Benzene, 1-bromo-4-phenoxy- | 4-Bromophenyl phenyl ether | 100 (45.4) |
| Benzene, chloro- | Chlorobenzene | 100 (45.4) |
| Benzene, chloromethyl- | Benzyl chloride | 100 (45.4) |
| Benzene, 1,2-dichloro- | <i>o</i> -Dichlorobenzene | 100 (45.4) |
| | 1,2-Dichlorobenzene | |
| Benzene, 1,3-dichloro- | <i>m</i> -Dichlorobenzene | 100 (45.4) |
| | 1,3-Dichlorobenzene | |
| Benzene, 1,4-dichloro- | <i>p</i> -Dichlorobenzene | 100 (45.4) |
| | 1,4-Dichlorobenzene | |
| Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro | DDD | 1 (0.454) |
| | TDE | |
| | 4,4'-DDD | |
| Benzene, dichloromethyl- | Benzal chloride | 5000 (2270) |
| Benzene, 1,3-diisocyanatomethyl | Toluene diisocyanate | 100 (45.4) |
| Benzene, dimethyl | Xylene (mixed) | 1000 (454) |
| <i>m</i> -Benzene, dimethyl | <i>m</i> -Xylene | |
| <i>o</i> -Benzene, dimethyl | <i>o</i> -Xylene | |
| <i>p</i> -Benzene, dimethyl | <i>p</i> -Xylene | |
| Benzene, hexachloro- | Hexachlorobenzene | 10 (4.54) |
| Benzene, hexahydro- | Cyclohexane | 1000 (454) |
| Benzene, hydroxy- | Phenol | 1000 (454) |
| Benzene, methyl- | Toluene | 1000 (454) |
| Benzene, 1-methyl-2,4-dinitro- | 2,4-Dinitrotoluene | 10 (4.54) |
| Benzene, 2-methyl-1,3-dinitro- | 2,6-Dinitrotoluene | 100 (45.4) |
| Benzene, 1-methylethyl- | Cumene | 5000 (2270) |
| Benzene, nitro- | Nitrobenzene | 1000 (454) |
| Benzene, pentachloro- | Pentachlorobenzene | 10 (4.54) |
| Benzene, pentachloronitro- | Pentachloronitrobenzene (PCNB) | 100 (45.4) |
| Benzene, 1,2,4,5-tetrachloro- | 1,2,4,5-Tetrachlorobenzene | 5000 (2270) |
| Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro | DDT | 1 (0.454) |
| | 4,4'-DDT | |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued:

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy]- | Methoxychlor | 1 (0.454) |
| Benzene, (trichloromethyl) | Benzotrichloride | 10 (4.54) |
| Benzene, 1,3,5-trinitro- | 1,3,5-Trinitrobenzene | 10 (4.54) |
| Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester. | Chlorobenzilate | 10 (4.54) |
| Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]- | Chlorambucil | 10 (4.54) |
| Benzenediamine, ar-methyl- | Toluenediamine | 10 (4.54) |
| 1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester | Bis(2-ethylhexyl)phthalate— Diethylhexyl phthalate | 100 (45.4) |
| 1,2-Benzenedicarboxylic acid, dibutyl ester | Di-n-butyl phthalate Dibutyl phthalate n-Butyl phthalate | 10 (4.54) |
| 1,2-Benzenedicarboxylic acid, diethyl ester | Diethyl phthalate | 1000 (454) |
| 1,2-Benzenedicarboxylic acid, dimethyl ester | Dimethyl phthalate | 5000 (2270) |
| 1,2-Benzenedicarboxylic acid, dioctyl ester | Di-n-octyl phthalate | 5000 (2270) |
| 1,3-Benzenediol | Resorcinol | 5000 (2270) |
| 1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]- | Epinephrine | 1000 (454) |
| Benzeneethanamine, alpha,alpha-dimethyl- | alpha,alpha-Dimethylphenethylamine | 5000 (2270) |
| Benzeneethanamine, alpha,alpha-dimethyl- | alpha,alpha-Dimethylphenethylamine | 5000 (2270) |
| Benzenesulfonic acid chloride | Benzenesulfonyl chloride | 100 (45.4) |
| Benzenesulfonyl chloride | Benzenesulfonic acid chloride | 100 (45.4) |
| Benzenethiol | Phenyl mercaptan @ Thiophenol | 100 (45.4) |
| Benzidine | (1,1'-Biphenyl)-4,4'-diamine | 1 (0.454) |
| 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide | Saccharin and salts | 100 (45.4) |
| Benzo[a]anthracene | Benz[a]anthracene 1,2-Benzanthracene | 10 (4.54) |
| 1,3-Benzodioxole, 5-(2-propenyl)- | Safrole | 100 (45.4) |
| 1,3-Benzodioxole, 5-(1-propenyl)- | Isosafrole | 100 (45.4) |
| 1,3-Benzodioxole, 5-propyl- | Dihydrosafrole | 10 (4.54) |
| Benzo[b]fluoranthene | | 1 (0.454) |
| Benzo[k]fluoranthene | | 5000 (2270) |
| Benzo[j,k]fluorene | Fluoranthene | 100 (45.4) |
| Benzoic acid | | 5000 (2270) |
| Benzonitrile | | 5000 (2270) |
| Benzo[g,h,i]perylene | | 5000 (2270) |
| 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%. | Warfarin, & salts, when present at concentrations greater than 0.3%. | 100 (45.4) |
| Benzo[a]pyrene | 3,4-Benzopyrene | 1 (0.454) |
| 3,4-Benzopyrene | Benzo[a]pyrene | 1 (0.454) |
| p-Benzoquinone | 2,5-Cyclohexadiene-1,4-dione | 10 (4.54) |
| Benzo [rst]pentaphene | Dibenz[a,i]pyrene | 10 (4.54) |
| Benzotrichloride | Benzene, (trichloromethyl) | 10 (4.54) |
| Benzoyl chloride | | 1000 (454) |
| 1,2-Benzphenanthrene | Chrysene | 100 (45.4) |
| Benzyl chloride | Benzene, chloromethyl- | 100 (45.4) |
| Beryllium c | Beryllium dust c | 10 (4.54) |
| Beryllium chloride | | 1 (0.454) |
| Beryllium dust c | Beryllium c | 10 (4.54) |
| Beryllium fluoride | | 1 (0.454) |
| Beryllium nitrate | | 1 (0.454) |
| alpha - BHC | | 10 (4.54) |
| beta - BHC | | 1 (0.454) |
| delta - BHC | | 1 (0.454) |
| gamma - BHC | Hexachlorocyclohexane (gamma isomer) | 1 (0.454) |
| | Lindane. | |
| | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)- | |
| 2,2'-Bioxirane | 1,2:3,4-Diepoxybutane | 10 (4.54) |
| (1,1'-Biphenyl)-4,4'-diamine | Benzidine | 1 (0.454) |
| (1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro- | 3,3'-Dichlorobenzidine | 1 (0.454) |
| (1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy- | 3,3'-Dimethoxybenzidine | 10 (4.54) |
| (1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl- | 3,3'-Dimethylbenzidine | 10 (4.54) |
| Bis(2-chloroethoxy) methane | Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro- | 1000 (454) |
| | Dichloromethoxy ethane | |
| Bis(2-chloroethyl) ether | Dichloroethyl ether | 10 (4.54) |
| | Ethane, 1,1'-oxybis(2-chloro- | |
| Bis(2-ethylhexyl)phthalate | 1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)]ester Diethylhexyl phthalate | 100 (45.4) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|--|---|
| Bromoacetone | 2-Propanone, 1-bromo | 1000 (454) |
| Bromoform | Methane, tribromo | 100 (45.4) |
| 4-Bromophenyl phenyl ether | Benzene, 1-bromo-4-phenoxy | 100 (45.4) |
| Brucine | Strychnidin-10-one, 2,3-dimethoxy | 100 (45.4) |
| 1,3-Butadiene, 1,1,2,3,4,4-hexachloro- | Hexachlorobutadiene | 1 (0.454) |
| 1-Butanamine, N-butyl-N-nitroso- | N-Nitrosodl-n-butylamine | 10 (4.54) |
| 1-Butanol | n-Butyl alcohol | 5000 (2270) |
| 2-Butanone | Ethyl methyl ketone @ Methyl ethyl ketone (MEK) | 5000 (2270) |
| 2-Butanone, 3,3-dimethyl-1-(methylthio)-,O-[(methylamino)carbonyl] oxime. | Thiofanox | 100 (45.4) |
| 2-Butanone peroxide | Methyl ethyl ketone peroxide | 10 (4.54) |
| 2-Butenal | Crotonaldehyde | 100 (45.4) |
| 2-Butene, 1,4-dichloro- | 1,4-Dichloro-2-butene | 1 (0.454) |
| 2-Butenoic acid, 2-methyl-7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*), 7aalpha]]- | Lasiocarpine | 10 (4.54) |
| Butyl acetate | | 5000 (2270) |
| iso-Butyl acetate | | |
| sec-Butyl acetate | | |
| tert-Butyl acetate | | |
| n-Butyl alcohol | 1-Butanol | 5000 (2270) |
| Butylamine | | 1000 (454) |
| iso-Butylamine | | |
| sec-Butylamine | | |
| tert-Butylamine | | |
| Butyl benzyl phthalate | | 100 (45.4) |
| n-Butyl phthalate | Di-n-butyl phthalate Dibutyl phthalate 1,2-Benzenedicarboxylic acid, dibutyl ester | 10 (4.54) 5000 (2270) |
| Butyric acid | | 5000 (2270) |
| iso-Butyric acid | | |
| Cacodylic acid | Arsenic acid, dimethyl- | 1 (0.454) |
| Cadmium c | | 10 (4.54) |
| Cadmium acetate | | 10 (4.54) |
| Cadmium bromide | | 10 (4.54) |
| Cadmium chloride | | 10 (4.54) |
| Calcium arsenate | | 1 (0.454) |
| Calcium arsenite | | 1 (0.454) |
| Calcium carbide | | 10 (4.54) |
| Calcium chromate | Chromic acid H2CrO4, calcium salt | 10 (4.54) |
| Calcium cyanide | Calcium cyanide Ca(CN)2 | 10 (4.54) |
| Calcium cyanide Ca(CN)2 | Calcium cyanide | 10 (4.54) |
| Calcium dodecylbenzene sulfonate | | 1000 (454) |
| Calcium hypochlorite | | 10 (4.54) |
| Camphene, octachloro- | Toxaphene | 1 (0.454) |
| Captan | | 10 (4.54) |
| Carbamic acid, ethyl ester | Ethyl carbamate (Urethan) | 100 (45.4) |
| Carbamic acid, methylnitroso-, ethyl ester | N-Nitroso-N-methylurethane | 1 (0.454) |
| Carbamic chloride, dimethyl- | Dimethylcarbamoyl chloride | 1 (0.454) |
| Carbamide, thio- | Thiourea | 10 (4.54) |
| Carbamimidoseleonic acid | Selenourea | 1000 (454) |
| Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester. | Diallate | 100 (45.4) |
| Carbaryl | | 100 (45.4) |
| Carbofuran | | 10 (4.54) |
| Carbon bisulfide | Carbon disulfide | 100 (45.4) |
| Carbon disulfide | Carbon bisulfide | 100 (45.4) |
| Carbonic acid, dithallium (I+) | Thallium(I) carbonate | 100 (45.4) |
| Carbonic dichloride | Phosgene | 10 (4.54) |
| Carbonic difluoride | Carbon oxyfluoride | 1000 (454) |
| Carbonochloridic acid, methyl ester | Methyl chlorocarbonate | 1000 (454) |
| | Methyl chloroformate | |
| Carbon oxyfluoride | Carbonic difluoride | 1000 (454) |
| Carbon tetrachloride | Methane, tetrachloro- | 10 (4.54) |
| Chloral | Acetaldehyde, trichloro- | 5000(2270) |
| Chlorambucil | Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]- | 10 (4.54) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|-------------------------------------|---|---|
| Chlordane | Chlordane, technical 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- | 1 (0.454) |
| Chlordane, alpha & gamma isomers | Chlordane, alpha & gamma isomers Chlordane, technical Chlordane 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- | 1 (0.454) |
| Chlordane, technical | Chlordane 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- Chlordane, alpha & gamma isomers | 1 (0.454) |
| Chlorine | | 10 (4.54) |
| Chlornaphazine | Naphthylamine, N,N'-bis(2-chloroethyl)- | 100 (45.4) |
| Chloroacetaldehyde | Acetaldehyde, chloro- | 1000 (454) |
| p-Chloroaniline | Benzenamine, 4-chloro- | 1000 (454) |
| Chlorobenzene | Benzene, chloro- | 100 (45.4) |
| Chlorobenzilate | Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester. | 10 (4.54) |
| 4-Chloro-m-cresol | p-Chloro-m-cresol | 5000 (2270) |
| p-Chloro-m-cresol | Phenol, 4-chloro-3-methyl- Phenol, 4-chloro-3-methyl- 4-Chloro-m-cresol | 5000 (2270) |
| Chlorodibromomethane | | 100 (45.4) |
| Chloroethane | Ethyl chloride @ | 100 (45.4) |
| 2-Chloroethyl vinyl ether | Ethene, 2-chloroethoxy- | 1000 (454) |
| Chloroform | Methane, trichloro- | 10 (4.54) |
| Chloromethane | Methane, chloro- Methyl chloride | 100 (45.4) |
| Chloromethyl methyl ether | Methane, chloromethoxy- Methylchloromethyl ether @ | 1 (0.454) |
| beta-Chloronaphthalene | Naphthalene, 2-chloro- 2-Chloronaphthalene | 5000 (2270) |
| 2-Chloronaphthalene | beta-Chloronaphthalene Naphthalene, 2-chloro- | 5000 (2270) |
| 2-Chlorophenol | o-Chlorophenol Phenol, 2-chloro- | 100 (45.4) |
| o-Chlorophenol | Phenol, 2-chloro- 2-Chlorophenol | 100 (45.4) |
| 4-Chlorophenyl phenyl ether | | 5000 (2270) |
| 1-(o-Chlorophenyl)thiourea | Thiourea, (2-chlorophenyl)- | 100 (45.4) |
| 3-Chloropropionitrile | Propanenitrile, 3-chloro- | 1000 (454) |
| Chlorosulfonic acid | | 1000 (454) |
| 4-Chloro-o-toluidine, hydrochloride | Benzenamine, 4-chloro-2-methyl-, hydrochloride | 100 (45.4) |
| Chlorpyrifos | | 1 (0.454) |
| Chromic acetate | | 1000 (454) |
| Chromic acid | | 10 (4.54) |
| Chromic acid H2CrO4, calcium salt | Calcium chromate | 10 (4.54) |
| Chromic sulfate | | 1000 (454) |
| Chromium c | | 5000 (2270) |
| Chromous chloride | | 1000 (454) |
| Chrysene | 1,2-Benzphenanthrene | 100 (45.4) |
| Cobaltous bromide | | 1000 (454) |
| Cobaltous formate | | 1000 (454) |
| Cobaltous sulfamate | | 1000 (454) |
| Coke Oven Emissions | | 1 (0.454) |
| Copper c | | 5000 (2270) |
| Copper chloride @ | Cupric chloride | 10 (4.54) |
| Copper cyanide | Copper cyanide CuCN | 10 (4.54) |
| Copper cyanide CuCN | Copper cyanide | 10 (4.54) |
| Coumaphos | | 10 (4.54) |
| Creosote | | 1 (0.454) |
| Cresol(s) | Cresylic acid Phenol, methyl- Phenol, methyl- | 1000 (454) |
| m-Cresol | m-Cresylic acid | |
| o-Cresol | o-Cresylic acid | |
| p-Cresol | p-Cresylic acid | |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|--|---|
| Cresylic acid | Cresols | 1000 (454) |
| m-Cresol | Phenol, methyl- | |
| o-Cresol | m-Cresylic acid | |
| p-Cresol | o-Cresylic acid | |
| Crotonaldehyde | p-Cresylic acid | |
| Cumene | 2-Butenal | 100 (45.4) |
| Cupric acetate | Benzene, 1-methylethyl- | 5000 (2270) |
| Cupric acetoarsenite | | 100 (45.4) |
| Cupric chloride | Copper chloride @ | 1 (0.454) |
| Cupric nitrate | | 10 (4.54) |
| Cupric oxalate | | 100 (45.4) |
| Cupric sulfate | | 10 (4.54) |
| Cupric sulfate ammoniated | | 100 (45.4) |
| Cupric tartrate | | 100 (45.4) |
| Cyanides (soluble salts and complexes) not otherwise specified. | | 10 (4.54) |
| Cyanogen | Ethanedinitrile | 100 (45.4) |
| Cyanogen bromide | Cyanogen bromide (CN)Br | 1000 (454) |
| Cyanogen bromide (CN)Br | Cyanogen bromide | 1000 (454) |
| Cyanogen chloride | Cyanogen chloride (CN)Cl | 10 (4.54) |
| Cyanogen chloride (CN)Cl | Cyanogen chloride | 10 (4.54) |
| 2,5-Cyclohexadiene-1,4-dione | p-Benzoquinone | 10 (4.54) |
| Cyclohexane | Benzene, hexahydro- | 1000 (454) |
| Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-. | gamma-BHC | 1 (0.454) |
| | Hexachlorocyclohexane (gamma isomer) | |
| | Lindane | 5000 (2270) |
| Cyclohexanone | | |
| 2-Cyclohexyl-4,6-dinitrophenol | Phenol, 2-cyclohexyl-4,6-dinitro- | 100 (45.4) |
| 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- | Hexachlorocyclopentadiene | 10 (4.54) |
| Cyclophosphamide | 2H-1,3,2-Oxazaphosphorin,2-amine, N,N-bis((2-chloroethyl)tetrahydro-, 2-oxide. | 10 (4.54) |
| 2,4-D Acid | 2,4-D, salts and esters | 100 (45.4) |
| 2,4-D Ester | Acetic acid (2,4-dichlorophenoxy)- | |
| Daunomycin | 5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-(8S-cis)- | 100 (45.4) |
| DDD | Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro | 1 (0.454) |
| | TDE | |
| | 4,4'-DDD | |
| 4,4'-DDD | DDD | 1 (0.454) |
| | Dichlorodiphenyl dichloroethane | |
| | TDE | |
| DDE | 4,4'-DDE | 1 (0.454) |
| 4,4'-DDE | DDE | 1 (0.454) |
| DDT | Bezene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro- | 1 (0.454) |
| | 4,4'-DDT | |
| 4,4'-DDT | DDT | 1 (0.454) |
| | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro- | |
| Diallate | Carbamothioic acid, bis (1-methylethyl)-; S-(2,3-dichloro-2-propenyl) ester. | 100 (45.4) |
| Diamine | Hydrazine | 1 (0.454) |
| Diazinon | | 1 (0.454) |
| Dibenz[a,h]anthracene | Dibenzo[a,h]anthracene | 1 (0.454) |
| | 1,2:5,6-Dibenzanthracene | |
| 1,2:5,6-Dibenzanthracene | Dibenz[a,h]anthracene | 1 (0.454) |
| | Dibenzo[a,h]anthracene | |
| Dibenzo[a,h]anthracene | Dibenz[a,h]anthracene | 1 (0.454) |
| | 1,2:5,6-Dibenzanthracene | |
| Dibenz[a,i]pyrene | Benzo [rst]pentaphene | 10 (4.54) |
| 1,2-Dibromo-3-chloropropane | Propane, 1,2-dibromo-3-chloro- | 1 (0.454) |
| Dibutyl phthalate | Di-n-butyl phthalate | 10 (4.54) |
| | n-Butyl phthalate | |
| | 1,2-Benzenedicarboxylic acid, dibutyl ester | |
| Di-n-butyl phthalate | Dibutyl phthalate | 10 (4.54) |
| | n-Butyl phthalate | |
| | 1,2-Benzenedicarboxylic acid, dibutyl ester | |
| Dicamba | | 1000 (454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|---|---|
| Dichlobenil | | 100 (45.4) |
| Dichlone | | 1 (0.454) |
| Dichlorobenzene | | 100 (45.4) |
| 1,2-Dichlorobenzene | Benzene, 1,2-dichloro- o-Dichlorobenzene | 100 (45.4) |
| 1,3-Dichlorobenzene | Benzene, 1,3-dichloro- m-Dichlorobenzene | 100 (45.4) |
| 1,4-Dichlorobenzene | Benzene, 1,4-dichloro- p-Dichlorobenzene | 100 (45.4) |
| m-Dichlorobenzene | Benzene, 1,3-dichloro- 1,3-Dichlorobenzene | 100 (45.4) |
| o-Dichlorobenzene | Benzene, 1,2-dichloro- 1,2-Dichlorobenzene | 100 (45.4) |
| p-Dichlorobenzene | Benzene, 1,4-dichloro- 1,4-Dichlorobenzene | 100 (45.4) |
| 3,3'-Dichlorobenzidine | (1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro- | 1 (0.454) |
| Dichlorobromomethane | | 5000 (2270) |
| 1,4-Dichloro-2-butene | 2-Butene, 1,4-dichloro- | 1 (0.454) |
| Dichlorodifluoromethane | Methane, dichlorodifluoro- | 5000 (2270) |
| 1,1-Dichloroethane | Ethane, 1,1-dichloro- Ethylidene dichloride | 1000 (454) |
| 1,2-Dichloroethane | Ethane, 1,2-dichloro- Ethylene dichloride | 100 (45.4) |
| 1,1-Dichloroethylene | Ethene, 1,1-dichloro- Vinylidene chloride | 100 (45.4) |
| 1,2-Dichloroethylene | Ethene, 1,2-dichloro- (E) | 1000 (454) |
| Dichloroethyl ether | Bis (2-chloroethyl) ether | 10 (4.54) |
| Dichloroisopropyl-ether | Ethane, 1,1'-oxybis(2-chloro- | 1000 (454) |
| Dichloromethane @ | Propane, 2,2'-oxybis [2-chloro- | 1000 (454) |
| Dichloromethoxy ethane | Methane, dichloro- Methylene chloride | 1000 (454) |
| Dichloromethyl ether | Bis(2-chloroethoxy) methane | 1000 (454) |
| 2,4-Dichlorophenol | Ethane, 1,1'-[methylenebis (oxy)]bis(2-chloro- | 1 (0.454) |
| 2,6-Dichlorophenol | Methane, oxybis(chloro- | 100 (45.4) |
| Dichlorophenylarsine | Phenol, 2,4-dichloro- | 100 (45.4) |
| Dichloropropane | Phenol, 2,6-dichloro- | 100 (45.4) |
| 1,1-Dichloropropane | Arsonous dichloride, phenyl- | 1 (0.454) |
| 1,3-Dichloropropane | | 1000 (454) |
| 1,2-Dichloropropane | Propylene dichloride | 1000 (454) |
| Dichloropropane - Dichloropropene (mixture) | Propane, 1,2-dichloro- | 100 (45.4) |
| Dichloropropene | | 100 (45.4) |
| 2,3-Dichloropropene | | 100 (45.4) |
| 1,3-Dichloropropene | 1-Propene, 1,3-dichloro- | 100 (45.4) |
| 2,2-Dichloropropionic acid | | 5000 (2270) |
| Dichlorvos | | 10 (4.54) |
| Dicofol | | 10 (4.54) |
| Dieldrin | 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-(1alpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- | 1 (0.454) |
| 1,2:3,4-Diepoxybutane | 2,2'-Bioxirane | 10 (4.54) |
| Diethylamine | | 1000 (454) |
| Diethylarsine | Arsine, diethyl- | 1 (0.454) |
| 1,4-Diethylenedioxide | 1,4-Dioxane | 100 (45.4) |
| Diethylhexyl phthalate | 1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)]ester Bis(2-ethylhexyl)phthalate | 100 (45.4) |
| N,N'-Diethylhydrazine | Hydrazine, 1,2-diethyl- | 10 (4.54) |
| O,O-Diethyl S-methyl dithiophosphate | Phosphorodithioic acid, O,O-diethyl S-methyl ester | 5000 (2270) |
| Diethyl-p-nitrophenyl phosphate | Phosphoric acid, diethyl 4-nitrophenyl ester | 100 (45.4) |
| Diethyl phthalate | 1,2-Benzenedicarboxylic acid, diethyl ester | 1000(454) |
| O,O-Diethyl O-pyrazinyl phosphorothioate | Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester | 100 (45.4) |
| Diethylstilbestrol | Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E) | 1 (0.454) |
| Dihydrosafrole | Benzene, 1,2-methylenedioxy-4-propyl- | 10 (4.54) |
| Diisopropyl fluorophosphate | Phosphorofluoridic acid, bis(1-methylethyl) ester | 100 (45.4) |
| 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro, (1alpha,4alpha,4abeta,5abeta,8beta,8abeta)- | Isodrin | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- | Aldrin 1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene | 1 (0.454) |
| 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-(1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- | Endrin Endrin, and metabolites | 1 (0.454) |
| 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-(1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- | Dieldrin | 1 (0.454) |
| Dimethoate | Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester. | 10 (4.54) |
| 3,3'-Dimethoxybenzidine | (1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy- | 10 (4.54) |
| Dimethylamine | Methanamine, N-methyl- | 1000 (454) |
| p-Dimethylaminoazobenzene | Benzenamine, N,N-dimethyl-4-(phenylazo)- | 10 (4.54) |
| 7,12-Dimethylbenz[a]anthracene | Benz[a]anthracene, 7,12-dimethyl- | 1 (0.454) |
| 3,3'-Dimethylbenzidine | (1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl- | 10 (4.54) |
| alpha,alpha-Dimethylbenzylhydroperoxide | Hydroperoxide, 1-methyl-1-phenylethyl- | 10 (4.54) |
| Dimethylcarbamoyl chloride | Carbamic chloride, dimethyl- | 1 (0.454) |
| 1,1-Dimethylhydrazine | Dimethylhydrazine, unsymmetrical @ | 10 (4.54) |
| 1,2-Dimethylhydrazine | Hydrazine, 1,1-dimethyl- | 1 (0.454) |
| Dimethylhydrazine, unsymmetrical @ | Hydrazine, 1,2-dimethyl- | 10 (4.54) |
| alpha,alpha-Dimethylphenethylamine | Hydrazine, 1,1-dimethyl- | 5000 (2270) |
| 2,4-Dimethylphenol | Benzenethanamine, alpha,alpha-dimethyl- | 100 (45.4) |
| Dimethyl phthalate | Phenol, 2,4-dimethyl- | 5000 (2270) |
| Dimethyl sulfate | 1,2-Benzenedicarboxylic acid, dimethyl ester | 100 (45.4) |
| Dinitrobenzene (mixed) | Sulfuric acid, dimethyl ester | 100 (45.4) |
| m-Dinitrobenzene | | |
| o-Dinitrobenzene | | |
| p-Dinitrobenzene | | |
| 4,6-Dinitro-o-cresol and salts | Phenol, 2-methyl-4,6-dinitro- | 10 (4.54) |
| Dinitrogen tetroxide @ | Nitrogen dioxide | 10 (4.54) |
| Dinitrophenol | Nitrogen oxide NO2 | 10 (4.54) |
| 2,5-Dinitrophenol | | |
| 2,6-Dinitrophenol | | |
| 2,4-Dinitrophenol | Phenol, 2,4-dinitro- | 10 (4.54) |
| Dinitrotoluene | | 10 (4.54) |
| 3,4-Dinitrotoluene | | |
| 2,4-Dinitrotoluene | Benzene, 1-methyl-2,4-dinitro- | 10 (4.54) |
| 2,6-Dinitrotoluene | Benzene, 2-methyl-1,3-dinitro- | 100 (45.4) |
| Dinoseb | Phenol, 2-(1-methylpropyl)-4,6-dinitro | 1000 (454) |
| Di-n-octyl phthalate | 1,2-Benzenedicarboxylic acid, dioctyl ester | 5000 (2270) |
| 1,4-Dioxane | 1,4-Diethylene dioxide | 100 (45.4) |
| 1,2-Diphenylhydrazine | Hydrazine, 1,2-diphenyl- | 10 (4.54) |
| Diphosphoramidate, octamethyl- | Octamethylpyrophosphoramidate | 100 (45.4) |
| Diphosphoric acid, tetraethyl ester | Tetraethyl pyrophosphate | 10 (4.54) |
| Dipropylamine | 1-Propanamine, N-propyl- | 5000 (2270) |
| Di-n-propyl nitrosamine | 1-Propanamine, N-nitroso-N-propyl- | 10 (4.54) |
| Diquat | | 1000 (454) |
| Disulfoton | Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester | 1 (0.454) |
| Dithiobiuret | Thioimidodicarbonic diamide[(H2N)C(S)]2NH | 100 (45.4) |
| Diuron | | 100 (45.4) |
| Dodecylbenzenesulfonic acid | | 1000 (454) |
| 2,4-D, salts and esters | 2,4-D Acid | 100 (45.4) |
| Endosulfan | Acetic acid (2,4-dichloro-phenoxy)- | |
| alpha-Endosulfan | 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide. | 1 (0.454) |
| beta-Endosulfan | | 1 (0.454) |
| Endosulfan sulfate | | 1 (0.454) |
| Endothall | 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid | 1000 (454) |
| Endrin | 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1,a,2,2a,3,6,6a,7,7a-octa-hydro-(1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- | 1 (0.454) |
| | Endrin, & metabolites | |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|--|---|
| Endrin, & metabolites | Endrin 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, hexachloro-1a,2,2a,3,6,6a,7,7a- octa-hydro-, (1alpha,2beta,2abeta,3alpha,6alpha,6abeta, 3,4,5,6,9,9- 7beta,7aalpha)- | 1 (0.454) |
| Endrin aldehyde | | 1 (0.454) |
| Epichlorohydrin | Oxirane, (chloromethyl)- | 100 (45.4) |
| Epinephrine | 1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl] | 1000 (454) |
| Ethanal | Acetaldehyde | 1000 (454) |
| Ethanamine, N-ethyl-N-nitroso- | N-Nitrosodiethylamine | 1 (0.454) |
| Ethane, 1,2-dibromo- | Ethylene dibromide | 1 (0.454) |
| Ethane, 1,1-dichloro- | Ethylidene dichloride | 1000 (454) |
| Ethane, 1,2-dichloro- | 1,1-Dichloroethane Ethylene dichloride | 100 (45.4) |
| Ethane, hexachloro- | 1,2-Dichloroethane Hexachloroethane | 100 (45.4) |
| Ethane, 1,1'-(methylenebis(oxy))bis(2-chloro- | Bis(2-chloroethoxy)methane Dichloromethoxy ethane | 1000 (454) |
| Ethane, 1,1'-oxybis- | Ethyl ether | 100 (45.4) |
| Ethane, 1,1'-oxybis(2-chloro- | Bis (2-chloroethyl) ether Dichloroethyl ether | 10 (4.54) |
| Ethane, pentachloro- | Pentachloroethane | 10 (4.54) |
| Ethane, 1,1,1,2-tetrachloro- | 1,1,1,2-Tetrachloroethane— Tetrachloroethane @ | 100 (45.4) |
| Ethane, 1,1,2,2-tetrachloro- | 1,1,2,2-Tetrachloroethane— Tetrachloroethane @ | 100 (45.4) |
| Ethane, 1,1,2-trichloro- | 1,1,2-Trichloroethane | 100 (45.4) |
| Ethane, 1,1,1-trichloro- | Methyl chloroform 1,1,1-Trichloroethane | 1000 (454) |
| 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienyl- methyl)- | Methapyrilene | 5000 (2270) |
| Ethanedinitrile | Cyanogen | 100 (45.4) |
| Ethanenitrile | Acetonitrile | 5000 (2270) |
| Ethanethioamide | Thioacetamide | 10 (4.54) |
| Ethanimidothioic acid, N-[(methylamino)carbonyl oxy]-, methyl ester. | Methomyl | 100 (45.4) |
| Ethanol, 2-ethoxy- | Ethylene glycol monoethyl ether | 1000 (454) |
| Ethanol, 2,2'-(nitrosoimino)bis- | N-Nitrosodiethanolamine | 1 (0.454) |
| Ethanone, 1-phenyl- | Acetophenone | 5000 (2270) |
| Ethanoyl chloride | Acetyl chloride | 5000 (2270) |
| Ethene, chloro- | Vinyl chloride | 1 (0.454) |
| Ethene, 2-chloroethoxy- | 2-Chloroethyl vinyl ether | 1000 (454) |
| Ethene, 1,1-dichloro- | Vinylidene chloride 1,1-Dichloroethylene | 100 (45.4) |
| Ethene, 1,2-dichloro- (E) | 1,2-Dichloroethylene | 1000 (454) |
| Ethene, tetrachloro- | Perchloroethylene Tetrachloroethene | 100 (45.4) |
| Ethene, trichloro- | Tetrachloroethylene Trichloroethene Trichloroethylene | 100 (45.4) |
| Ethion | | 10 (4.54) |
| Ethyl acetate | Acetic acid, ethyl ester | 5000 (2270) |
| Ethyl acrylate | 2-Propenoic acid, ethyl ester | 1000 (454) |
| Ethylbenzene | | 1000 (454) |
| Ethyl carbamate (Urethan) | Carbamic acid, ethyl ester | 100 (45.4) |
| Ethyl chloride @ | Chloroethane | 100 (45.4) |
| Ethyl cyanide | Propanenitrile | 10 (4.54) |
| Ethylene dibromide | Ethane, 1,2-dibromo- | 1 (0.454) |
| Ethylene dichloride | 1,2-Dichloroethane Ethane, 1,2-dichloro- | 100 (45.4) |
| Ethylene glycol monoethyl ether | Ethanol, 2-ethoxy | 1000 (454) |
| Ethylene oxide | Oxirane | 10 (4.54) |
| Ethylenebisdithiocarbamic acid | Ethylenebisdithiocarbamic acid, salts and esters | 5000 (2270) |
| Ethylenebisdithiocarbamic acid, salts and esters | Ethylenebisdithiocarbamic acid | 5000 (2270) |
| Ethylenediamine | | 5000 (2270) |
| Ethylenediamine tetraacetic acid (EDTA) | | 5000 (2270) |
| Ethylenethiourea | 2-Imidazolidinethione | 10 (4.54) |
| Ethylenimine | Azirdine— | 1 (0.454) |
| Ethyl ether | Ethane, 1,1'-oxybis- | 100 (45.4) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|---|---|
| Ethylidene dichloride | Ethane, 1,1-dichloro- 1,1-Dichloroethane | 1000 (454) |
| Ethyl methacrylate | 2-Propenoic acid, 2-methyl-, ethyl ester | 1000 (454) |
| Ethyl methanesulfonate | Methanesulfonic acid, ethyl ester | 1 (0.454) |
| Ethyl methyl ketone @ | 2-Butanone Methyl ethyl ketone (MEK) | 5000 (2270) |
| Famphur | Phosphorothioic acid, O,[4-[(dimethylamino)-sulfonyl] phenyl] O,O-dimethylester. | 1000 (454) |
| Ferric ammonium citrate | | 1000 (454) |
| Ferric ammonium oxalate | | 1000 (454) |
| Ferric chloride | | 1000 (454) |
| Ferric fluoride | | 100 (45.4) |
| Ferric nitrate | | 1000 (454) |
| Ferric sulfate | | 1000 (454) |
| Ferrous ammonium sulfate | | 1000 (454) |
| Ferrous chloride | | 100 (45.4) |
| Ferrous sulfate | | 1000 (454) |
| Fluoranthene | Benzo[<i>j,k</i>]fluorene | 100 (45.4) |
| Fluorene | | 5000 (2270) |
| Fluorine | | 10 (4.54) |
| Fluoroacetamide | Acetamide, 2-fluoro- | 100 (45.4) |
| Fluoroacetic acid, sodium salt | Acetic acid, fluoro-, sodium salt | 10 (4.54) |
| Formaldehyde | Methylene oxide | 100 (45.4) |
| Formic acid | Methanoic acid | 5000 (2270) |
| Fulminic acid, mercury(2+)salt | Mercury fulminate | 10 (4.54) |
| Fumaric acid | | 5000 (2270) |
| Furan | Furfuran | 100 (45.4) |
| Furan, tetrahydro- | Tetrahydrofuran | 1000 (454) |
| 2-Furancarboxaldehyde | Furfural | 5000 (2270) |
| 2,5-Furandione | Maleic anhydride | 5000 (2270) |
| Furfural | 2-Furancarboxaldehyde | 5000 (2270) |
| Furfuran | Furan | 100 (45.4) |
| Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)- | Streptozotocin | 1 (0.454) |
| D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]- | D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]- Streptozotocin | 1 (0.454) |
| Glycidylaldehyde | Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)- Oxiranecarboxaldehyde | 10 (4.54) |
| Guanidine, N-methyl-N'-nitro-N-nitroso- | MNNG | 10 (4.54) |
| Guthion | | 1 (0.454) |
| Heptachlor | 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- | 1 (0.454) |
| Heptachlor epoxide | | 1 (0.454) |
| Hexachlorobenzene | Benzene, hexachloro- | 10 (4.54) |
| Hexachlorobutadiene | 1,3-Butadiene, 1,1,2,3,4,4-hexachloro- | 1 (0.454) |
| Hexachlorocyclohexane (gamma isomer) | gamma-BHC Lindane | 1 (0.454) |
| Hexachlorocyclopentadiene | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)- | 10 (4.54) |
| Hexachloroethane | 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- | 10 (4.54) |
| 1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene. | Ethane, hexachloro- Aldrin | 100 (45.4) 1 (0.454) |
| Hexachlorophene | 1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro- 1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4beta,5alpha,8alpha,8beta)- | 100 (45.4) |
| Hexachloropropene | Phenol, 2,2'-methylenebis[3,4,6-trichloro | 1000 (454) |
| Hexaethyl tetraphosphate | 1-Propene, 1,1,2,3,3,3-hexachloro- | 1000 (454) |
| 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]- | Tetraphosphoric acid, hexaethyl ester | 100 (45.4) |
| Hydrazine | Uracil mustard | 10 (4.54) |
| Hydrazine, 1,2-diethyl- | Diamine | 1 (0.454) |
| Hydrazine, 1,1-dimethyl- | N,N'-Diethylhydrazine | 10 (4.54) |
| Hydrazine, 1,2-dimethyl- | 1,1-Dimethylhydrazine | 10 (4.54) |
| Hydrazine, 1,2-diphenyl- | Dimethylhydrazine, unsymmetrical @ | 1 (0.454) |
| Hydrazine, methyl- | 1,2-Dimethylhydrazine | 10 (4.54) |
| Hydrazinecarbothioamide | 1,2-Diphenylhydrazine | 10 (4.54) |
| Hydrochloric acid | Methyl hydrazine | 10 (4.54) |
| Hydrocyanic acid | Thiosemicarbazide | 100 (45.4) |
| Hydrofluoric acid | Hydrogen chloride | 5000 (2270) |
| | Hydrogen cyanide | 10 (4.54) |
| | Hydrogen fluoride | 100 (45.4) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|--|---|
| Hydrogen chloride | Hydrochloric acid | 5000 (2270) |
| Hydrogen cyanide | Hydrocyanic acid | 10 (4.54) |
| Hydrogen fluoride | Hydrofluoric acid | 100 (45.4) |
| Hydrogen phosphide | Phosphine | 100 (45.4) |
| Hydrogen sulfide | Hydrogen sulfide H2S | 100 (45.4) |
| Hydrogen sulfide H2S | Hydrogen sulfide | 100 (45.4) |
| Hydroperoxide, 1-methyl-1-phenylethyl- | alpha,alpha-Dimethylbenzylhydroperoxide | 10 (4.54) |
| 2-Imidazolidinethione | Ethylenethiourea | 10 (4.54) |
| Indeno(1,2,3-cd)pyrene | 1,10-(1,2-Phenylene)pyrene | 100 (45.4) |
| 1,3-Isobenzofurandione | Phthalic anhydride | 5000 (2270) |
| Isobutyl alcohol | 1-Propanol, 2-methyl- | 5000 (2270) |
| Isodrin | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4beta,5beta,8beta,8beta)- | 1 (0.454) |
| Isophorone | | 5000 (2270) |
| Isoprene | | 100 (45.4) |
| Isopropanolamine dodecylbenzene sulfonate | | 1000 (454) |
| Isosafrole | 1,3-Benzodioxole, 5-(-1propenyl)- | 100 (45.4) |
| 3(2H)-Isoxazolone, 5-(aminomethyl)- | 5-(Aminomethyl)-3-isoxazolol | 1000 (454) |
| Kepon | Muscimol | 1 (0.454) |
| Lasiocarpine | 1,3,4-Metheno-2H-cyclobutal[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachloro-tetrahydro-2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*),7aalpha]]- | 10 (4.54) |
| Lead c | | 10 (4.54) |
| Lead acetate | Acetic acid, lead (2+) salt | 10 (4.54) |
| Lead arsenate | | 1 (0.454) |
| Lead, bis(acetato-O)tetrahydroxytri | Lead subacetate | 10 (4.54) |
| Lead chloride | | 10 (4.54) |
| Lead fluoborate | | 10 (4.54) |
| Lead fluoride | | 10 (4.54) |
| Lead iodide | | 10 (4.54) |
| Lead nitrate | | 10 (4.54) |
| Lead phosphate | Phosphoric acid, lead(2+) salt (2:3) | 10 (4.54) |
| Lead stearate | | 10 (4.54) |
| Lead subacetate | Lead, bis(acetato-O)tetrahydroxytri | 10 (4.54) |
| Lead sulfate | | 10 (4.54) |
| Lead sulfide | | 10 (4.54) |
| Lead thiocyanate | | 10 (4.54) |
| Lindane | gamma-BHC | 1 (0.454) |
| | Hexachlorocyclohexane (gamma isomer) | |
| | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)- | |
| Lithium chromate | | 10 (4.54) |
| Malathion | | 100 (45.4) |
| Maleic acid | | 5000 (2270) |
| Maleic anhydride | 2,5-Furandione | 5000 (2270) |
| Maleic hydrazide | 3,6-Pyridazinedione, 1,2-dihydro- | 5000 (2270) |
| Malononitrile | Propanedinitrile | 1000 (454) |
| Melphalan | L-Phenylalanine, 4-[bis(2-chloroethyl)aminol] | 1 (0.454) |
| Mercaptodimethur | | 10 (4.54) |
| Mercuric cyanide | | 1 (0.454) |
| Mercuric nitrate | | 10 (4.54) |
| Mercuric sulfate | | 10 (4.54) |
| Mercuric thiocyanate | | 10 (4.54) |
| Mercurous nitrate | | 10 (4.54) |
| Mercury | | 1 (0.454) |
| Mercury, (acetato-O)phenyl- | Phenylmercuric acetate | 100 (45.4) |
| Mercury fulminate | Fulminic acid, mercury(2+)salt | 10 (4.54) |
| Methacrylonitrile | 2-Propenenitrile, 2-methyl- | 1000 (454) |
| Methanamine, N-methyl- | Dimethylamine | 1000 (454) |
| Methanamine, N-methyl-N-nitroso | N-Nitrosodimethylamine | 10 (4.54) |
| Methane, bromo- | Methyl bromide | 1000 (454) |
| Methane, chloro- | Chloromethane | 100 (45.4) |
| | Methyl chloride | |
| Methane, chloromethoxy- | Chloromethyl methyl ether | 1 (0.454) |
| | Methylchloromethyl ether @ | |
| Methane, dibromo- | Methylene bromide | 1000 (454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| Methane, dichloro- | Methylene chloride | 1000 (454) |
| Methane, dichlorodifluoro- | Dichloromethane @ | |
| Methane, iodo- | Dichlorodifluoromethane | 5000 (2270) |
| Methane, isocyanato- | Methyl iodide | 100 (45.4) |
| Methane, oxybis(chloro- | Methyl isocyanate | 10 (4.54) |
| Methane, tetrachloro- | Dichloromethyl ether | 1 (0.454) |
| Methane, tetranitro- | Carbon tetrachloride | 10 (4.54) |
| Methane, tribromo- | Tetranitromethane | 10 (4.54) |
| Methane, trichloro- | Bromoform | 100 (45.4) |
| Methane, trichlorofluoro- | Chloroform | 10 (4.54) |
| Methanesulfonyl chloride, trichloro- | Trichloromonofluoromethane | 5000 (2270) |
| Methanesulfonic acid, ethyl ester | Perchloromethyl mercaptan @ | 100 (45.4) |
| Methanethiol | Trichloromethanesulfonyl chloride | |
| 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide. | Ethyl methanesulfonate | 1 (0.454) |
| Methanoic acid | Methyl mercaptan | 100 (45.4) |
| 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-a,4,7,7a-tetrahydro- | Thiomethanol | |
| 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- | Endosulfan | 1 (0.454) |
| Methanol | Formic acid | 5000 (2270) |
| Methapyrilene | Heptachlor | 1 (0.454) |
| 1,3,4-Metheno-2H-cyclobuta[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro- | Chlordane | 1 (0.454) |
| Methormyl | Chlordane, technical | |
| Methoxychlor | Chlordane, alpha & gamma isomers | |
| Methyl alcohol | Methyl alcohol | 5000 (2270) |
| Methylamine @ | 1,2-Ethanediamine, N-N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)- | 5000 (2270) |
| Methyl bromide | Kepone | 1 (0.454) |
| 1-Methylbutadiene | Ethanimidothioic acid, N-[(methylamino)carbonyl oxy]-, methyl ester. | 100 (45.4) |
| Methyl chloride | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-methoxy- | 1 (0.454) |
| Methyl chlorocarbonate | Methanol | 5000 (2270) |
| Methyl chloroform | Monomethylamine | 100 (45.4) |
| Methyl chloroformate | Methane, bromo- | 1000 (454) |
| Methylchloromethyl ether @ | 1,3-Pentadiene | 100 (45.4) |
| 3-Methylcholanthrene | Chloromethane | 100 (45.4) |
| 4,4'-Methylenebis(2-chloroaniline) | Methane, chloro- | |
| Methylene bromide | Carbonochloridic acid, methyl ester | 1000 (454) |
| Methylene chloride | Methyl chloroformate | |
| Methylene oxide | 1,1,1-Trichloroethane | 1000 (454) |
| Methyl ethyl ketone (MEK) | Ethane, 1,1,1-trichloro- | |
| Methyl ethyl ketone peroxide | Carbonochloridic acid, methyl ester | 1000 (454) |
| Methyl hydrazine | Methyl chlorocarbonate | |
| Methyl iodide | Chloromethyl methyl ether | 1 (0.454) |
| Methyl isobutyl ketone | Methane, chloromethoxy- | |
| Methyl isocyanate | Benz[<i>j</i>]aceanthrylene, 1,2-dihydro-3-methyl- | 10 (4.54) |
| 2-Methylactonitrile | Benzenamine, 4,4'-methylenebis(2-chloro- | 10 (4.54) |
| Methyl mercaptan | Methane, dibromo- | 1000 (454) |
| Methyl methacrylate | Methane, dichloro- | 1000 (454) |
| Methyl parathion | Dichloromethane @ | |
| 4-Methyl-2-pentanone | Formaldehyde | 100 (45.4) |
| Methylthiouracil | 2-Butanone | 5000 (2270) |
| Mevinphos | Ethyl methyl ketone @ | |
| Mexacarbate | 2-Butanone peroxide | 10 (4.54) |
| | Hydrazine, methyl- | 10 (4.54) |
| | Methane, iodo- | 100 (45.4) |
| | 4-Methyl-2-pentanone | 5000 (2270) |
| | Methane, isocyanato- | 10 (4.54) |
| | Acetone cyanohydrin | 10 (4.54) |
| | Propanenitrile, 2-hydroxy-2-methyl- | |
| | Methanethiol | 100 (45.4) |
| | Thiomethanol | |
| | 2-Propenoic acid, 2-methyl-, methyl ester | 1000 (454) |
| | Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester | 100 (45.4) |
| | Methyl isobutyl ketone | 5000 (2270) |
| | 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo- | 10 (4.54) |
| | | 10 (4.54) |
| | | 1000 (454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| Mitomycin C | Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpaha,8balpaha)]-Guanidine, N-methyl-N'-nitro-N-nitroso- | 10 (4.54) |
| MNNG | | 10 (4.54) |
| Monoethylamine | | 100 (45.4) |
| Monomethylamine | Methylamine @ | 100 (45.4) |
| Muscimol | 5-(Aminomethyl)-3-isoxazolol 3(2H)-isoxazolone, 5-(aminomethyl)- | 1000 (454) |
| Naled | | 10 (4.54) |
| 5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)- | Daunomycin | 10 (4.54) |
| Naphthalenamine, N,N-bis(2-chloroethyl)- | Chlornaphazine | 100 (45.4) |
| Naphthalene | | 100 (45.4) |
| Naphthalene, 2-chloro- | beta-Chloronaphthalene 2-Chloronaphthalene | 5000 (2270) |
| 1,4-Naphthalenedione | 1,4-Naphthoquinone | 5000 (2270) |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt. | Trypan blue | 10 (4.54) |
| Naphthenic acid | | 100 (45.4) |
| 1,4-Naphthoquinone | 1,4-Naphthalenedione | 5000 (2270) |
| alpha-Naphthylamine | 1-Naphthylamine | 100 (45.4) |
| beta-Naphthylamine | 2-Naphthylamine | 1 (0.454) |
| 1-Naphthylamine | alpha-Naphthylamine | 100 (45.4) |
| 2-Naphthylamine | beta-Naphthylamine | 1 (0.454) |
| alpha-Naphthylthiourea | Thiourea, 1-naphthalenyl- | 100 (45.4) |
| Nickel c | | 100 (45.4) |
| Nickel ammonium sulfate | | 100 (45.4) |
| Nickel carbonyl | Nickel carbonyl Ni(CO)4, (T-4)- | 10 (4.54) |
| Nickel carbonyl Ni(CO)4, (T-4)- | Nickel carbonyl | 10 (4.54) |
| Nickel chloride | | 100 (45.4) |
| Nickel cyanide | Nickel cyanide Ni(CN)2 | 10 (4.54) |
| Nickel cyanide Ni(CN)2 | Nickel cyanide | 10 (4.54) |
| Nickel hydroxide | | 10 (4.54) |
| Nickel nitrate | | 100 (45.4) |
| Nickel sulfate | | 100 (45.4) |
| Nicotine and salts | Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)- | 100 (45.4) |
| Nitric acid | | 1000 (454) |
| Nitric acid, thallium(1+) salt | Thallium(I) nitrate | 100 (45.4) |
| Nitric oxide | Nitrogen oxide NO | 10 (4.54) |
| p-Nitroaniline | Benzenamine, 4-nitro- | 5000 (2270) |
| Nitrobenzene | Benzenamine, nitro- | 1000 (454) |
| Nitrogen dioxide | Nitrogen oxide NO2 Dinitrogen tetroxide @ | 10 (4.54) |
| Nitrogen oxide NO | Nitric oxide | 10 (4.54) |
| Nitrogen oxide NO2 | Nitrogen dioxide Dinitrogen tetroxide @ | 10 (4.54) |
| Nitroglycerine | 1,2,3-Propanetriol, trinitrate- | 10 (4.54) |
| Nitrophenol (mixed) | | 100 (45.4) |
| m- | | |
| o- | 2-Nitrophenol | |
| p- | 4-Nitrophenol | |
| o-Nitrophenol | Phenol, 4-nitro | |
| p-Nitrophenol | 2-Nitrophenol | 100 (45.4) |
| | Phenol, 4-nitro- | 100 (45.4) |
| | 4-Nitrophenol | |
| 2-Nitrophenol | o-Nitrophenol | 100 (45.4) |
| 4-Nitrophenol | p-Nitrophenol | 100 (45.4) |
| | Phenol, 4-nitro- | |
| 2-Nitropropane | Propane, 2-nitro- | 10 (4.54) |
| N-Nitrosodi-n-butylamine | 1-Butanamine, N-butyl-N-nitroso- | 10 (4.54) |
| N-Nitrosodiethanolamine | Ethanol, 2,2'-(nitrosoimino)bis- | 1 (0.454) |
| N-Nitrosodiethylamine | Ethanamine, N-ethyl-N-nitroso- | 1 (0.454) |
| N-Nitrosodimethylamine | Methanamine, N-methyl-N-nitroso- | 10 (4.54) |
| N-Nitrosodiphenylamine | | 100 (45.4) |
| N-Nitroso-N-ethylurea | Urea, N-ethyl-N-nitroso- | 1 (0.454) |
| N-Nitroso-N-methylurea | Urea, N-methyl-N-nitroso- | 1 (0.454) |
| N-Nitroso-N-methylurethane | Carbamic acid, methylnitroso-, ethyl ester | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|--|---|
| N-Nitrosomethylvinylamine | Vinylamine, N-methyl-N-nitroso- | 10 (4.54) |
| N-Nitrosopiperidine | Piperidine, 1-nitroso- | 10 (4.54) |
| N-Nitrosopyrrolidine | Pyrrolidine, 1-nitroso- | 1 (0.454) |
| Nitrotoluene | | 1000 (454) |
| m-Nitrotoluene | | |
| o-Nitrotoluene | | |
| p-Nitrotoluene | | |
| 5-Nitro-o-toluidine | Benzenamine, 2-methyl-5-nitro- | 100 (45.4) |
| Octamethylpyrophosphoramide | Diphosphoramide, octamethyl- | 100 (45.4) |
| Osmium oxide OsO ₄ (T-4)- | Osmium tetroxide | 1000 (454) |
| Osmium tetroxide | Osmium oxide OsO ₄ (T-4)- | 1000 (454) |
| 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid | Endothall | 1000 (454) |
| 1,2-Oxathiolane, 2,2-dioxide | 1,3-Propane sultone | 10 (4.54) |
| 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide. | Cyclophosphamide | 10 (4.54) |
| Oxirane | Ethylene oxide | 10 (4.54) |
| Oxiranecarboxyaldehyde | Glycidylaldehyde | 10 (4.54) |
| Oxirane, (chloromethyl)- | Epichlorohydrin | 100 (45.4) |
| Paraformaldehyde | | 1000 (454) |
| Paraldehyde | 1,3,5-Trioxane, 2,4,6-trimethyl- | 1000 (454) |
| Parathion | Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl)ester | 10 (4.54) |
| Pentachlorobenzene | Benzene, pentachloro- | 10 (4.54) |
| Pentachloroethane | Ethane, pentachloro- | 10 (4.54) |
| Pentachloronitrobenzene (PCNB) | Benzene, pentachloronitro- | 100 (45.4) |
| Pentachlorophenol | Phenol, pentachloro- | 10 (4.54) |
| 1,3-Pentadiene | 1-Methylbutadiene | 100 (45.4) |
| Perchloroethylene | Ethene, tetrachloro | 100 (45.4) |
| | Tetrachloroethene | |
| | Tetrachloroethylene | |
| Perchloromethyl mercaptan @ | Methanesulfonyl chloride, trichloro- | 100 (45.4) |
| | Trichloromethanesulfonyl chloride | |
| | Acetamide, N-(4-ethoxyphenyl)- | 100 (45.4) |
| Phenacetin | | 5000 (2270) |
| Phenanthrene | | 1000 (454) |
| Phenol | Benzene, hydroxy- | 1000 (454) |
| Phenol, 2-chloro- | o-Chlorophenol | 100 (45.4) |
| | 2-Chlorophenol | |
| Phenol, 4-chloro-3-methyl- | p-Chloro-m-cresol | 5000 (2270) |
| | 4-Chloro-m-cresol | |
| Phenol, 2-cyclohexyl-4,6-dinitro- | 2-Cyclohexyl-4,6-dinitrophenol | 100 (45.4) |
| Phenol, 2,4-dichloro- | 2,4-Dichlorophenol | 100 (45.4) |
| Phenol, 2,6-dichloro- | 2,6-Dichlorophenol | 100 (45.4) |
| Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E) | Diethylstilbestrol | 1 (0.454) |
| Phenol, 2,4-dimethyl- | 2,4-Dimethylphenol | 100 (45.4) |
| Phenol, 2,4-dinitro- | 2,4-Dinitrophenol | 10 (4.54) |
| Phenol, methyl- | Cresol(s) | 1000 (454) |
| | Cresylic acid | |
| m-Cresol | m-Cresylic acid | |
| o-Cresol | o-Cresylic acid | |
| p-Cresol | p-Cresylic acid | |
| Phenol, 2-methyl-4,6-dinitro- | 4,6-Dinitro-o-cresol and salts | 10 (4.54) |
| Phenol, 2,2'-methylenebis[3,4,6-trichloro- | Hexachlorophene | 100 (45.4) |
| Phenol, 2-(1-methylpropyl)-4,6-dinitro | Dinoseb | 1000 (454) |
| Phenol, 4-nitro- | p-Nitrophenol | 100 (45.4) |
| | 4-Nitrophenol | |
| Phenol, pentachloro- | Pentachlorophenol | 10 (4.54) |
| Phenol, 2,3,4,6-tetrachloro- | 2,3,4,6-Tetrachlorophenol | 10 (4.54) |
| Phenol, 2,4,5-trichloro- | 2,4,5-Trichlorophenol | 10 (4.54) |
| Phenol, 2,4,6-trichloro- | 2,4,6-Trichlorophenol | 10 (4.54) |
| Phenol, 2,4,6-trinitro-, ammonium salt | Ammonium picrate | 10 (4.54) |
| L-Phenylalanine, 4-[bis(2-chloroethyl)aminol] | Melphalan | 1 (0.454) |
| 1,10-(1,2-Phenylene)pyrene | Indeno(1,2,3-cd)pyrene | 100 (45.4) |
| Phenyl mercaptan @ | Benzenethiol | 100 (45.4) |
| | Thiophenol | |
| Phenylmercuric acetate | Mercury, (acetato-O)phenyl- | 100 (45.4) |
| Phenylthiourea | Thiourea, phenyl- | 100 (45.4) |
| Phorate | Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methylester | 10 (4.54) |
| Phosgene | Carbonic dichloride | 10 (4.54) |
| Phosphine | Hydrogen phosphide | 100 (45.4) |
| Phosphoric acid | | 5000 (2270) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| Phosphoric acid, diethyl 4-nitrophenyl ester | Diethyl-p-nitrophenyl phosphate | 100 (45.4) |
| Phosphoric acid, lead(2+) salt (2:3) | Lead phosphate | 10 (4.54) |
| Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester .. | Disulfoton | 1 (0.454) |
| Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester .. | Phorate | 10 (4.54) |
| Phosphorodithioic acid, O,O-diethyl S-methyl ester | O,O-Diethyl S-methyl dithiophosphate | 5000 (2270) |
| Phosphorodithioic acid, O,O-dimethyl S-[2 (methylamino)-2-oxoethyl] ester. | Dimethoate | 10 (4.54) |
| Phosphorofluoridic acid, bis(1-methylethyl) ester | Diisopropyl fluorophosphate | 100 (45.4) |
| Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester | Parathion | 10 (4.54) |
| Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester | O,O-Diethyl O-pyrazinyl phosphorothioate | 100 (45.4) |
| Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester | Methyl parathion | 100 (45.4) |
| Phosphorothioic acid, O,[4-[(dimethylamino)sulfonyl] phenyl] O,O-dimethyl ester. | Famphur | 1000 (454) |
| Phosphorus ..... | ..... | 1 (0.454) |
| Phosphorus oxychloride ..... | ..... | 1000 (454) |
| Phosphorus pentasulfide | Phosphorus sulfide | 100 (45.4) |
| Phosphorus sulfide | Sulfur phosphide ..... | ..... |
| ..... | Phosphorus pentasulfide | 100 (45.4) |
| ..... | Sulfur phosphide ..... | ..... |
| Phosphorus trichloride ..... | ..... | 1000 (454) |
| Phthalic anhydride | 1,3-Isobenzofurandione | 5000 (2270) |
| 2-Picoline | Pyridine, 2-methyl- | 5000 (2270) |
| Piperidine, 1-nitroso- | N-Nitrosopiperidine | 10 (4.54) |
| Plumbane, tetraethyl- | Tetraethyl lead | 10 (4.54) |
| POLYCHLORINATED BIPHENYLS (PCBs) | Aroclor 1016 | 1 (0.454) |
| ..... | Aroclor 1221 ..... | ..... |
| ..... | Aroclor 1232 ..... | ..... |
| ..... | Aroclor 1242 ..... | ..... |
| ..... | Aroclor 1248 ..... | ..... |
| ..... | Aroclor 1254 ..... | ..... |
| ..... | Aroclor 1260 ..... | ..... |
| Potassium arsenate ..... | ..... | 1 (0.454) |
| Potassium arsenite ..... | ..... | 1 (0.454) |
| Potassium bichromate ..... | ..... | 10 (4.54) |
| Potassium chromate ..... | ..... | 10 (4.54) |
| Potassium cyanide | Potassium cyanide K(CN) | 10 (4.54) |
| Potassium cyanide K(CN) | Potassium cyanide | 10 (4.54) |
| Potassium hydroxide ..... | ..... | 1000 (454) |
| Potassium permanganate ..... | ..... | 100 (45.4) |
| Potassium silver cyanide | Argentate(1-), bis(cyano-C)-, potassium | 1 (0.454) |
| Pronamide | Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)- | 5000 (2270) |
| Propanal, 2-methyl-2-(methylthio)-O-[(methylamino)carbonyl]oxime. | Aldicarb | 1 (0.454) |
| 1-Propanamine | n-Propylamine | 5000 (2270) |
| 1-Propanamine, N-nitroso-N-propyl- | Di-n-propylnitrosamine | 10 (4.54) |
| 1-Propanamine, N-propyl- | Dipropylamine | 5000 (2270) |
| Propane, 1,2-dibromo-3-chloro- | 1,2-Dibromo-3-chloropropane | 1 (0.454) |
| Propane, 1,2-dichloro- | 1,2-Dichloropropane | 1000 (454) |
| ..... | Propylene dichloride ..... | ..... |
| Propane, 2-nitro- | 2-Nitropropane | 10 (4.54) |
| Propane, 2,2'-oxybis [2-chloro- | Dichloroisopropyl ether | 1000 (454) |
| 1,3-Propane sulfone | 1,2-Oxathiolane, 2,2-dioxide | 10 (4.54) |
| Propanedinitrile | Malononitrile | 1000 (454) |
| Propanenitrile | Ethyl cyanide | 10 (4.54) |
| Propanenitrile, 3-chloro- | 3-Chloropropionitrile | 1000 (454) |
| Propanenitrile, 2-hydroxy-2-methyl- | Acetone cyanohydrin | 10 (4.54) |
| ..... | 2-Methylactonitrile ..... | ..... |
| 1,2,3-Propanetriol, trinitrate- | Nitroglycerine | 10 (4.54) |
| 1-Propanol, 2,3-dibromo-, phosphate (3:1) | Tris(2,3-dibromopropyl)phosphate | 10 (4.54) |
| 1-Propanol, 2-methyl- | Isobutyl alcohol | 5000 (2270) |
| 2-Propanone | Acetone | 5000 (2270) |
| 2-Propanone, 1-bromo- | Bromoacetone | 1000 (454) |
| Propargite ..... | ..... | 10 (4.54) |
| Propargyl alcohol | 2-Propyn-1-ol | 1000 (454) |
| 2-Propenal | Acrolein | 1 (0.454) |
| 2-Propenamide | Acrylamide | 5000 (2270) |
| 1-Propene, 1,3-dichloro- | 1,3-Dichloropropene | 100 (45.4) |
| 1-Propene, 1,1,2,3,3,3-hexachloro- | Hexachloropropene | 1000 (454) |
| 2-Propenenitrile | Acrylonitrile | 100 (45.4) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| 2-Propenenitrile, 2-methyl- | Methacrylonitrile | 1000 (454) |
| 2-Propenoic acid | Acrylic acid | 5000 (2270) |
| 2-Propenoic acid, ethyl ester | Ethyl acrylate | 1000 (454) |
| 2-Propenoic acid, 2-methyl-, ethyl ester | Ethyl methacrylate | 1000 (454) |
| 2-Propenoic acid, 2-methyl-, methyl ester | Methyl methacrylate | 1000 (454) |
| 2-Propen-1-ol | Allyl alcohol | 100 (45.4) |
| Propionic acid ..... | ..... | 5000 (2270) |
| Propionic acid, 2-(2,4,5-trichlorophenoxy)- | Silvex (2,4,5-TP) | 100 (45.4) |
| ..... | 2,4,5-TP acid ..... | ..... |
| Propionic anhydride ..... | ..... | 5000 (2270) |
| n-Propylamine | 1-Propanamine | 5000 (2270) |
| Propylene dichloride | 1,2-Dichloropropane | 1000 (454) |
| ..... | Propane, 1,2-dichloro- ..... | ..... |
| Propylene oxide ..... | ..... | 100 (45.4) |
| 1,2-Propylenimine | Aziridine, 2-methyl- | 1 (0.454) |
| 2-Propyn-1-ol | Propargyl alcohol | 1000 (454) |
| Pyrene ..... | ..... | 5000 (2270) |
| Pyrethrins ..... | ..... | 1 (0.454) |
| 3,6-Pyridazinedione, 1,2-dihydro- | Maleic hydrazide | 5000 (2270) |
| 4-Pyridinamine | 4-Aminopyridine | 1000 (454) |
| Pyridine ..... | ..... | 1000 (454) |
| Pyridine, 2-methyl- | 2-Picoline | 5000 (2270) |
| Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S) | Nicotine and salts | 100 (45.4) |
| 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo- | Methylthiouracil | 10 (4.54) |
| Pyrrolidine, 1-nitroso- | N-Nitrosopyrrolidine | 1 (0.454) |
| Quinoline ..... | ..... | 5000 (2270) |
| RADIONUCLIDES ..... | ..... | See Table 2 |
| Reserpine | Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy-, methyl ester—(3beta,16beta,17alpha,18beta,20alpha)-] | 5000 (2270) |
| Resorcinol | 1,3-Benzenediol | 5000 (2270) |
| Saccharin and salts | 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide | 100 (45.4) |
| Safrole | 1,3-Benzodioxole, 5-(2-propenyl)- | 100 (45.4) |
| Selenious acid ..... | ..... | 10 (4.54) |
| Selenious acid, dithallium(1+) salt | Thallium selenite | 1000 (454) |
| Selenium c ..... | ..... | 100 (45.4) |
| Selenium dioxide | Selenium oxide | 10 (4.54) |
| Selenium oxide | Selenium dioxide | 10 (4.54) |
| Selenium sulfide | Selenium sulfide SeS2 | 10 (4.54) |
| Selenium sulfide SeS2 | Selenium sulfide | 10 (4.54) |
| Selenourea | Carbamimidoseleonic acid | 1000 (454) |
| L-Serine, diazoacetate (ester) | Azaserine | 1 (0.454) |
| Silver c ..... | ..... | 1000 (454) |
| Silver cyanide | Silver cyanide Ag(CN) | 1 (0.454) |
| Silver cyanide Ag(CN) | Silver cyanide | 1 (0.454) |
| Silver nitrate ..... | ..... | 1 (0.454) |
| Silvex(2,4,5-TP) | Propionic acid, 2-(2,4,5-trichlorophenoxy)- | 100 (45.4) |
| ..... | 2,4,5-TP acid ..... | ..... |
| Sodium ..... | ..... | 10 (4.54) |
| Sodium arsenate ..... | ..... | 1 (0.454) |
| Sodium arsenite ..... | ..... | 1 (0.454) |
| Sodium azide ..... | ..... | 1000 (454) |
| Sodium bichromate ..... | ..... | 10 (4.54) |
| Sodium bifluoride ..... | ..... | 100 (45.4) |
| Sodium bisulfite ..... | ..... | 5000 (2270) |
| Sodium chromate ..... | ..... | 10 (4.54) |
| Sodium cyanide ..... | ..... | 10 (4.54) |
| Sodium cyanide Na(CN) | Sodium cyanide | 10 (4.54) |
| Sodium dodecylbenzene sulfonate ..... | ..... | 1000 (454) |
| Sodium fluoride ..... | ..... | 1000 (454) |
| Sodium hydrosulfide ..... | ..... | 5000 (2270) |
| Sodium hydroxide ..... | ..... | 1000 (454) |
| Sodium hypochlorite ..... | ..... | 100 (45.4) |
| Sodium methylate ..... | ..... | 1000 (454) |
| Sodium nitrite ..... | ..... | 100 (45.4) |
| Sodium phosphate, dibasic ..... | ..... | 5000 (2270) |
| Sodium phosphate, tribasic ..... | ..... | 5000 (2270) |
| Sodium selenite ..... | ..... | 100 (45.4) |
| Streptozotocin | Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)— | 1 (0.454) |
| ..... | D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]- ..... | ..... |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|---|---|
| Strontium chromate | | 10 (4.54) |
| Strychnidin-10-one | Strychnine and salts | 10 (4.54) |
| Strychnidin-10-one, 2,3-dimethoxy- | Brucine | 100 (45.4) |
| Strychnine and salts | Strychnidin-10-one | 10 (4.54) |
| Styrene | | 1000 (454) |
| Sulfur chloride @ | Sulfur monochloride | 1000 (454) |
| Sulfur monochloride | Sulfur chloride @ | 1000 (454) |
| Sulfur phosphide | Phosphorus pentasulfide | 100 (45.4) |
| | Phosphorus sulfide | |
| Sulfuric acid | | 1000 (454) |
| Sulfuric acid, dimethyl ester | Dimethyl sulfate | 100 (45.4) |
| Sulfuric acid, dithallium(1+) salt | Thallium(I) sulfate | 100 (45.4) |
| 2,4,5-T | 2,4,5-T acid | 1000 (454) |
| | Acetic acid, (2,4,5-trichlorophenoxy) | |
| 2,4,5-T acid | 2,4,5-T | 1000 (454) |
| | Acetic acid, (2,4,5-trichlorophenoxy) | |
| 2,4,5-T amines | | 5000 (2270) |
| 2,4,5-T esters | | 1000 (454) |
| 2,4,5-T salts | | 1000 (454) |
| TDE | DDD | 1 (0.454) |
| | Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-4,4'-DDD | |
| 1,2,4,5-Tetrachlorobenzene | Benzene, 1,2,4,5-tetrachloro- | 5000 (2270) |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | | 1 (0.454) |
| 1,1,1,2-Tetrachloroethane | Ethane, 1,1,1,2-tetrachloro- | 100 (45.4) |
| | Tetrachloroethane @ | |
| 1,1,2,2-Tetrachloroethane | Ethane, 1,1,2,2-tetrachloro- | 100 (45.4) |
| | Tetrachloroethane @ | |
| Tetrachloroethane @ | Ethane, 1,1,1,2-tetrachloro- | 100 (45.4) |
| | Ethane, 1,1,2,2-tetrachloro- | |
| | 1,1,1,2-Tetrachloroethane | |
| | 1,1,2-Tetrachloroethane | |
| Tetrachloroethene | Ethene, tetrachloro- | 100 (45.4) |
| | Perchloroethylene | |
| | Tetrachloroethylene | |
| Tetrachloroethylene | Ethene, tetrachloro- | 100 (45.4) |
| | Perchloroethylene | |
| | Tetrachloroethene | |
| 2,3,4,6-Tetrachlorophenol | Phenol, 2,3,4,6-tetrachloro- | 10 (4.54) |
| Tetraethyl lead | Plumbane, tetraethyl- | 10 (4.54) |
| Tetraethyl pyrophosphate | Diphosphoric acid, tetraethyl ester | 10 (4.54) |
| Tetraethyldithiopyrophosphate | Thiodiphosphoric acid, tetraethyl ester | 100 (45.4) |
| Tetrahydrofuran | Furan, tetrahydro- | 1000 (454) |
| Tetranitromethane | Methane, tetranitro- | 10 (4.54) |
| Tetraphosphoric acid, hexaethyl ester | Hexaethyl tetraphosphate | 100 (45.4) |
| Thallic oxide | Thallium oxide T1203 | 100 (45.4) |
| Thallium c | | 1000 (454) |
| Thallium(I) acetate | Acetic acid, thallium(1+) salt | 100 (45.4) |
| Thallium(I) carbonate | Carbonic acid, dithallium (1+) | 100 (45.4) |
| Thallium(I) chloride | Thallium chloride T1C1 | 100 (45.4) |
| Thallium chloride T1C1 | Thallium(I) chloride | 100 (45.4) |
| Thallium(I) nitrate | Nitric acid, thallium(1+) salt | 100 (45.4) |
| Thallium oxide T1203 | Thallic oxide | 100 (45.4) |
| Thallium selenite | Selenious acid, dithallium(1+) salt | 1000 (454) |
| Thallium(I) sulfate | Sulfuric acid, dithallium(1+) salt | 100 (45.4) |
| Thioacetamide | Ethanethioamide | 10 (4.54) |
| Thiodiphosphoric acid, tetraethyl ester | Tetraethyldithiopyrophosphate | 100 (45.4) |
| Thiofanox | 2-Butanone, 3,3-Dimethyl-1-(methylthio)-, O[(methylamino)carbonyl] oxime. | 100 (45.4) |
| Thioimidodicarbonic diamide [(H2N)C(S)]2NH | Dithiobiuret | 100 (45.4) |
| Thiomethanol | Methanethiol | 100 (45.4) |
| | Methyl mercaptan | |
| Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl- | Thiram | 10 (4.54) |
| Thiophenol | Benzenethiol | 100 (45.4) |
| | Phenyl mercaptan @ | |
| Thiosemicarbazide | Hydrazinecarbothioamide | 100 (45.4) |
| Thiourea | Carbamide, thio- | 10 (4.54) |
| Thiourea, (2-chlorophenyl)- | 1-(o-Chlorophenyl)thiourea | 100 (45.4) |
| Thiourea, 1-naphthalenyl- | alpha-Naphthylthiourea | 100 (45.4) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|---|---|
| Thiourea, phenyl- | Phenylthiourea | 100 (45.4) |
| Thiram | Thioperoxydicarbonic diamide [(H ₂ N)C(S)2S ₂ , tetramethyl- | 10 (4.54) |
| Toluene | Benzene, methyl- | 1000 (454) |
| Toluenediamine | Benzenediamine, ar-methyl- | 10 (4.54) |
| Toluene diisocyanate | Benzene, 1,3-diisocyanatomethyl | 100 (45.4) |
| o-Toluidine | 2-Amino-1-methyl benzene | 100 (45.4) |
| p-Toluidine | Benzenamine, 4-methyl- | 100 (45.4) |
| o-Toluidine hydrochloride | Benzenamine, 2-methyl-, hydrochloride | 100 (45.4) |
| Toxaphene | Camphene, octachloro- | 1 (0.454) |
| 2,4,5-TP acid | Propionic acid, 2-(2,4,5-trichlorophenoxy)- Silvex (2,4,5-TP) | 100 (45.4) |
| 2,4,5-TP acid esters | | 100 (45.4) |
| 1H-1,2,4-Triazol-3-amine | Amitrole | 10 (4.54) |
| Trichlorfon | | 100 (45.4) |
| 1,2,4-Trichlorobenzene | | 100 (45.4) |
| 1,1,1-Trichloroethane | Methyl chloroform | 1000 (454) |
| | Ethane, 1,1,1-trichloro- | |
| 1,1,2-Trichloroethane | Ethane, 1,1,2-trichloro- | 100 (45.4) |
| Trichloroethene | Trichloroethylene | 100 (45.4) |
| | Ethene, trichloro- | |
| Trichloroethylene | Trichloroethene | 100 (45.4) |
| | Ethene, trichloro- | |
| Trichloromethanesulfonyl chloride | Methanesulfonyl chloride, trichloro- | 100 (45.4) |
| | Perchloromethyl mercaptan @ | |
| Trichloromonofluoromethane | Methane, trichlorofluoro- | 5000 (2270) |
| Trichlorophenol | | 10 (4.54) |
| 2,3,4-Trichlorophenol | | |
| 2,3,5-Trichlorophenol | | |
| 2,3,6-Trichlorophenol | | |
| 2,4,5-Trichlorophenol | Phenol, 2,4,5-trichloro- | |
| 2,4,6-Trichlorophenol | Phenol, 2,4,6-trichloro- | |
| 3,4,5-Trichlorophenol | | |
| 2,4,5-Trichlorophenol | Phenol, 2,4,5-trichloro- | 10 (4.54) |
| 2,4,6-Trichlorophenol | Phenol, 2,4,6-trichloro- | 10 (4.54) |
| Triethanolamine dodecylbenzene sulfonate | | 1000 (454) |
| Triethylamine | | 5000 (2270) |
| Trimethylamine | | 100 (45.4) |
| 1,3,5-Trinitrobenzene | Benzene, 1,3,5-trinitro- | 10 (4.54) |
| 1,3,5-Trioxane, 2,4,6-trimethyl- | Paraldehyde | 1000 (454) |
| Tris(2,3-dibromopropyl) phosphate | 1-Propanol, 2,3-dibromo-, phosphate (3:1) | 10 (4.54) |
| Trypan blue | 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt. | 10 (4.54) |
| Uracil mustard | 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]- | 10 (4.54) |
| Uranyl acetate | | 100 (45.4) |
| Uranyl nitrate | | 100 (45.4) |
| Urea, N-ethyl-N-nitroso- | N-Nitroso-N-ethylurea | 1 (0.454) |
| Urea, N-methyl-N-nitroso- | N-Nitroso-N-methylurea | 1 (0.454) |
| Vanadic acid, ammonium salt | Ammonium vanadate | 1000 (454) |
| Vanadium oxide V2O5 | Vanadium pentoxide | 1000 (454) |
| Vanadium pentoxide | Vanadium oxide V2O5 | 1000 (454) |
| Vanadyl sulfate | | 1000 (454) |
| Vinyl acetate | Vinyl acetate monomer | 5000 (2270) |
| Vinyl acetate monomer | Vinyl acetate | 5000 (2270) |
| Vinylamine, N-methyl-N-nitroso- | N-Nitrosomethylvinylamine | 10 (4.54) |
| Vinyl chloride | Ethene, chloro- | 1 (0.454) |
| Vinylidene chloride | Ethene, 1,1-dichloro- | 100 (45.4) |
| | 1,1-Dichloroethylene | |
| Warfarin, & salts, when present at concentrations greater than 0.3%. | 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%. | 100 (45.4) |
| Xylene (mixed) | Benzene, dimethyl | 1000 (454) |
| m-Benzene, dimethyl | m-Xylene | |
| o-Benzene, dimethyl | o-Xylene | |
| p-Benzene, dimethyl | p-Xylene | |
| Xylenol | | 1000 (454) |
| Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha,18beta,20alpha)- | Reserpine | 5000 (2270) |
| Zinc c | | 1000 (454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|--|---|
| Zinc acetate | | 1000 (454) |
| Zinc ammonium chloride | | 1000 (454) |
| Zinc borate | | 1000 (454) |
| Zinc bromide | | 1000 (454) |
| Zinc carbonate | | 1000 (454) |
| Zinc chloride | | 1000 (454) |
| Zinc cyanide | Zinc cyanide Zn(CN)2 | 10 (4.54) |
| Zinc cyanide Zn(CN)2 | Zinc cyanide | 10 (4.54) |
| Zinc fluoride | | 1000 (454) |
| Zinc formate | | 1000 (454) |
| Zinc hydrosulfite | | 1000 (454) |
| Zinc nitrate | | 1000 (454) |
| Zinc phenolsulfonate | | 5000 (2270) |
| Zinc phosphide | Zinc phosphide Zn3P2, when present at concentrations greater than 10%. | 100 (45.4) |
| Zinc phosphide Zn3P2, when present at concentrations greater than 10%. | Zinc phosphide | 100 (45.4) |
| Zinc silicofluoride | | 5000 (2270) |
| Zinc sulfate | | 1000 (454) |
| Zirconium nitrate | | 5000 (2270) |
| Zirconium potassium fluoride | | 1000 (454) |
| Zirconium sulfate | | 5000 (2270) |
| Zirconium tetrachloride | | 5000 (2270) |
| D001 Unlisted Hazardous Wastes Characteristic of Ignitability | | 100 (45.4) |
| D002 Unlisted Hazardous Wastes Characteristic of Corrosivity | | 100 (45.4) |
| D003 Unlisted Hazardous Wastes Characteristic of Reactivity | | 100 (45.4) |
| D004-D043 Unlisted Hazardous Wastes Characteristic of Toxicity. | | 100 (45.4) |
| D004 Arsenic | | 1 (0.454) |
| D005 Barium | | 1000 (454) |
| D006 Cadmium | | 10 (4.54) |
| D007 Chromium | | 10 (4.54) |
| D008 Lead | | 10 (4.54) |
| D009 Mercury | | 1 (0.454) |
| D010 Selenium | | 10 (4.54) |
| D011 Silver | | 1 (0.454) |
| D012 Endrin | | 1 (0.454) |
| D013 Lindane | | 1 (0.454) |
| D014 Methoxychlor | | 1 (0.454) |
| D015 Toxaphene | | 1 (0.454) |
| D016 2,4-D | | 100 (45.4) |
| D017 2,4,5-TP | | 100 (45.4) |
| D018 Benzene | | 10 (4.54) |
| D019 Carbon tetrachloride | | 10 (4.54) |
| D020 Chlordane | | 1 (0.454) |
| D021 Chlorobenzene | | 100 (45.4) |
| D022 Chloroform | | 10 (4.54) |
| D023 o-Cresol | | 1000 (454) |
| D024 m-Cresol | | 1000 (454) |
| D025 p-Cresol | | 1000 (454) |
| D026 Cresol | | 1000 (454) |
| D027 1,4-Dichlorobenzene | | 100 (45.4) |
| D028 1,2-Dichloroethane | | 100 (45.4) |
| D029 1,1-Dichloroethylene | | 100 (45.4) |
| D030 2,4-Dinitrotoluene | | 10 (4.54) |
| D031 Heptachlor (and hydroxide) | | 1 (0.454) |
| D032 Hexachlorobenzene | | 10 (4.54) |
| D033 Hexachlorobutadiene | | 1 (0.454) |
| D034 Hexachloroethane | | 100 (45.4) |
| D035 Methyl ethyl ketone | | 5000 (2270) |
| D036 Nitrobenzene | | 1000 (454) |
| D037 Pentachlorophenol | | 10 (4.54) |
| D038 Pyridine | | 1000 (454) |
| D039 Tetrachloroethylene | | 100 (45.4) |
| D040 Trichloroethylene | | 100 (45.4) |
| D041 2,4,5-Trichlorophenol | | 10 (4.54) |
| D042 2,4,6-Trichlorophenol | | 10 (4.54) |
| D043 Vinyl chloride | | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ), pounds (kilograms) |
|--|----------|--|
| F001 The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures | | 10 (4.54) |
| (a) Tetrachloroethylene | | 100 (45.4) |
| (b) Trichloroethylene | | 100 (45.4) |
| (c) Methylene chloride | | 1000 (454) |
| (d) 1,1,1-Trichloroethane | | 1000 (454) |
| (e) Carbon tetrachloride | | 10 (4.54) |
| (f) Chlorinated fluorocarbons | | 5000 (2270) |
| F002 | | 10 (4.54) |
| The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those listed in F001, F004, F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. | | |
| (a) Tetrachloroethylene | | 100 (45.4) |
| (b) Methylene chloride | | 1000 (454) |
| (c) Trichloroethylene | | 100 (45.4) |
| (d) 1,1,1-Trichloroethane | | 1000 (454) |
| (e) Chlorobenzene | | 100 (45.4) |
| (f) 1,1,2-Trichloro-1,2,2-trifluoroethane | | 5000 (2270) |
| (g) o-Dichlorobenzene | | 100 (45.4) |
| (h) Trichlorofluoromethane | | 5000 (2270) |
| (i) 1,1,2 Trichloroethane | | 100 (45.4) |
| F003 | | 100 (45.4) |
| The following spent non-halogenated solvents and solvents: | | |
| (a) Xylene | | 1000 (454) |
| (b) Acetone | | 5000 (2270) |
| (c) Ethyl acetate | | 5000 (2270) |
| (d) Ethylbenzene | | 1000 (454) |
| (e) Ethyl ether | | 100 (45.4) |
| (f) Methyl isobutyl ketone | | 5000 (2270) |
| (g) n-Butyl alcohol | | 5000 (2270) |
| (h) Cyclohexanone | | 5000 (2270) |
| (i) Methanol | | 5000 (2270) |
| F004 | | 1000 (454) |
| The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents: | | |
| (a) Cresols/Cresylic acid | | 1000 (454) |
| (b) Nitrobenzene | | 1000 (454) |
| F005 | | 100 (45.4) |
| The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents: | | |
| (a) Toluene | | 1000 (454) |
| (b) Methyl ethyl ketone | | 5000 (2270) |
| (c) Carbon disulfide | | 100 (45.4) |
| (d) Isobutanol | | 5000 (2270) |
| (e) Pyridine | | 1000 (454) |
| F006 | | 10 (4.54) |
| Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbon steel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum | | |
| F007 | | 10 (4.54) |
| Spent cyanide plating bath solutions from electroplating operations | | |
| F008 | | 10 (4.54) |
| Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process | | |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|----------|---|
| F009 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process | | 10 (4.54) |
| F010 Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process | | 10 (4.54) |
| F011 Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning) | | 10 (4.54) |
| F012 Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process | | 10 (4.54) |
| F019 Wastewater treatment sludges from the chemical conversion coating of aluminum—except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process | | 10 (4.54) |
| F020 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.) | | 1 (0.454) |
| F021 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives. | | 1 (0.454) |
| F022 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions. | | 1 (0.454) |
| F023 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.) | | 1 (0.454) |
| F024 Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent desiccants, wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.32.) | | 1 (0.454) |
| F025 Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution .. | | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|----------|---|
| F026 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions. | | 1 (0.454) |
| F027 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.) | | 1 (0.454) |
| F028 Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027. | | 1 (0.454) |
| F032 | | 1 (0.454) |
| F034 | | 1 (0.454) |
| F035 | | 1 (0.454) |
| F037 | | 1 (0.454) |
| F038 | | 1 (0.454) |
| F039 | | 1 (0.454) |
| Multi source leachate | | |
| K001 Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol | | 1 (0.454) |
| K002 Wastewater treatment sludge from the production of chrome yellow and orange pigments | | 10 (4.54) |
| K003 Wastewater treatment sludge from the production of molybdate orange pigments | | 10 (4.54) |
| K004 Wastewater treatment sludge from the production of zinc yellow pigments | | 10 (4.54) |
| K005 Wastewater treatment sludge from the production of chrome green pigments | | 10 (4.54) |
| K006 Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated) | | 10 (4.54) |
| K007 Wastewater treatment sludge from the production of iron blue pigments | | 10 (4.54) |
| K008 Oven residue from the production of chrome oxide green pigments | | 10 (4.54) |
| K009 Distillation bottoms from the production of acetaldehyde from ethylene | | 10 (4.54) |
| K010 Distillation side cuts from the production of acetaldehyde from ethylene | | 10 (4.54) |
| K011 Bottom stream from the wastewater stripper in the production of acrylonitrile | | 10 (4.54) |
| K013 Bottom stream from the acetonitrile column in the production of acrylonitrile | | 10 (4.54) |
| K014 Bottoms from the acetonitrile purification column in the production of acrylonitrile | | 5000 (2270) |
| K015 Still bottoms from the distillation of benzyl chloride | | 10 (4.54) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|----------|---|
| K016 Heavy ends or distillation residues from the production of carbon tetrachloride | | 1 (0.454) |
| K017 Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin | | 10 (4.54) |
| K018 Heavy ends from the fractionation column in ethyl chloride production | | 1 (0.454) |
| K019 Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production. | | 1 (0.454) |
| K020 Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production | | 1 (0.454) |
| K021 Aqueous spent antimony catalyst waste from fluoromethanes production | | 10 (4.54) |
| K022 Distillation bottom tars from the production of phenol/acetone from cumene | | 1 (0.454) |
| K023 Distillation light ends from the production of phthalic anhydride from naphthalene | | 5000 (2270) |
| K024 Distillation bottoms from the production of phthalic anhydride from naphthalene | | 5000 (2270) |
| K025 Distillation bottoms from the production of nitrobenzene by the nitration of benzene | | 10 (4.54) |
| K026 Stripping still tails from the production of methyl ethyl pyridines | | 1000 (454) |
| K027 Centrifuge and distillation residues from toluene diisocyanate production | | 10 (4.54) |
| K028 Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane | | 1 (0.454) |
| K029 Waste from the product steam stripper in the production of 1,1,1-trichloroethane | | 1 (0.454) |
| K030 Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene | | 1 (0.454) |
| K031 By-product salts generated in the production of MSMA and cacodylic acid | | 1 (0.454) |
| K032 Wastewater treatment sludge from the production of chlordane | | 10 (4.54) |
| K033 Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane | | 10 (4.54) |
| K034 Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane | | 10 (4.54) |
| K035 Wastewater treatment sludges generated in the production of creosote | | 1 (0.454) |
| K036 Still bottoms from toluene reclamation distillation in the production of disulfoton | | 1 (0.454) |
| K037 Wastewater treatment sludges from the production of disulfoton | | 1 (0.454) |
| K038 Wastewater from the washing and stripping of phorate production | | 10 (4.54) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---|----------|---|
| K039 Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate | | 10 (4.54) |
| K040 Wastewater treatment sludge from the production of phorate | | 10 (4.54) |
| K041 Wastewater treatment sludge from the production of toxaphene | | 1 (0.454) |
| K042 Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T | | 10 (4.54) |
| K043 2,6-dichlorophenol waste from the production of 2,4-D | | 10 (4.54) |
| K044 Wastewater treatment sludges from the manufacturing and processing of explosives | | 10 (4.54) |
| K045 Spent carbon from the treatment of wastewater containing explosives | | 10 (4.54) |
| K046 Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds | | 10 (4.54) |
| K047 Pink/red water from TNT operations | | 10 (4.54) |
| K048 Dissolved air flotation (DAF) float from the petroleum refining industry | | 10 (4.54) |
| K049 Slop oil emulsion solids from the petroleum refining industry | | 10 (4.54) |
| K050 Heat exchanger bundle cleaning sludge from the petroleum refining industry | | 10 (4.54) |
| K051 API separator sludge from the petroleum refining industry | | 10 (4.54) |
| K052 Tank bottoms (leaded) from the petroleum refining industry | | 10 (4.54) |
| K060 Ammonia still lime sludge from coking operations | | 1 (0.454) |
| K061 Emission control dust/sludge from the primary production of steel in electric furnaces | | 10 (4.54) |
| K062 Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry | | 10 (4.54) |
| K064 Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production | | 10 (4.54) |
| K065 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities | | 10 (4.54) |
| K066 Sludge from treatment of process wastewater and /or acid plant blowdown from primary zinc production | | 10 (4.54) |
| K069 Emission control dust/sludge from secondary lead smelting | | 10 (4.54) |
| K071 Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used | | 1 (0.454) |
| K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production | | 10 (4.54) |
| K083 Distillation bottoms from aniline extraction | | 100 (45.4) |
| K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds | | 1 (0.454) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|----------|---|
| K085 Distillation or fractionation column bottoms from the production of chlorobenzenes | | 10 (4.54) |
| K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead | | 10 (4.54) |
| K087 Decanter tank tar sludge from coking operations | | 100 (45.4) |
| K088 Spent potliners from primary aluminum reduction. | | 1 (0.454) |
| K090 Emission control dust or sludge from ferrochromiumsilicon production. | | 1 (0.454) |
| K091 Emission control dust or sludge from ferrochromium production. | | 1 (0.454) |
| K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene | | 5000 (2270) |
| K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene | | 5000 (2270) |
| K095 Distillation bottoms from the production of 1,1,1-trichloroethane. | | 100 (45.4) |
| K096 Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane. | | 100 (45.4) |
| K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane | | 1 (0.454) |
| K098 Untreated process wastewater from the production of toxaphene | | 1 (0.454) |
| K099 Untreated wastewater from the production of 2,4-D | | 10 (4.54) |
| K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting | | 10 (4.54) |
| K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds | | 1 (0.454) |
| K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds | | 100 (45.4) |
| K103 Process residues from aniline extraction from the production of aniline | | 10 (4.54) |
| K104 Combined wastewater streams generated from nitrobenzene/aniline chlorobenzenes | | 10 (4.54) |
| K105 Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes | | 1 (0.454) |
| K106 Wastewater treatment sludge from the mercury cell process in chlorine production | | 10 (4.54) |
| K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines | | 10 (4.54) |
| K108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides | | 10 (4.54) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|--|----------|---|
| K109 Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides | | *0 (4.54) |
| K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazines (UDMH) from carboxylic acid hydrazides | | 10 (4.54) |
| K111 Product washwaters from the production of dinitrotoluene via nitration of toluene. | | 10 (4.54) |
| K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene. | | 10 (4.54) |
| K113 Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | | 10 (4.54) |
| K114 Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | | 10 (4.54) |
| K115 Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | | 10 (4.54) |
| K116 Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine. | | 10 (4.54) |
| K117 Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene. | | 1 (0.454) |
| K118 Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide. | | 1 (0.454) |
| K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts. | | 10 (4.54) |
| K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts. | | 10 (4.54) |
| K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts. | | 10 (4.54) |
| K126 Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts. | | 10 (4.54) |
| K131 Waste water from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide | | 100 (45.4) |
| K132 Spent absorbent and wastewater solids from the production of methyl bromide | | 1000 (454) |
| K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene. | | 1 (0.454) |
| K141 | | 1 (0.454) |
| K142 | | 1 (0.454) |
| K143 | | 1 (0.454) |
| K144 | | 1 (0.454) |
| K145 | | 1 (0.454) |
| K147 | | 1 (0.454) |
| K148 | | 1 (0.454) |
| K149 | | 10 (4.54) |
| K150 | | 10 (4.54) |

TABLE 1.—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Synonyms | Reportable quantity (RQ) pounds (kilograms) |
|---------------------|----------|---|
| K151 | | 10 (4.54) |

Footnotes:

c The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches)

cc The RQ for asbestos is limited to friable forms only

@ Indicates that the name was added by RSPA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.

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