

## Table II. EPCRA Section 313 Chemical List For Reporting Year 2010 (including Toxic Chemical Categories)

Individually listed EPCRA Section 313 chemicals with CAS numbers are arranged alphabetically starting on page II-3. Following the alphabetical list, the EPCRA Section 313 chemicals are arranged in CAS number order. Covered chemical categories follow.

Certain EPCRA Section 313 chemicals listed in Table II have parenthetical “qualifiers.” These qualifiers indicate that these EPCRA Section 313 chemicals are subject to the section 313 reporting requirements if manufactured, processed, or otherwise used in a specific form or when a certain activity is performed. The following chemicals are reportable only if they are manufactured, processed, or otherwise used in the specific form(s) listed below:

| Chemical  | CAS Number | Qualifier   |
|---|------------|---|
| <b>Aluminum</b> (fume or dust)  | 7429-90-5  | <b><u>Only</u></b> if it is a fume or dust form.                  |
| <b>Aluminum oxide</b> (fibrous forms)   | 1344-28-1  | <b><u>Only</u></b> if it is a fibrous form.                       |
| <b>Ammonia</b> (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) | 7664-41-7  | <b><u>Only</u></b> 10% of aqueous forms. 100% of anhydrous forms. |
| <b>Asbestos</b> (friable)   | 1332-21-4  | <b><u>Only</u></b> if it is a friable form.                       |
| <b>Hydrochloric acid</b> (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   | 7647-01-0  | <b><u>Only</u></b> if it is an aerosol form as defined.           |
| <b>Nitrate compounds</b> (water dissociable; reportable only when in aqueous solution)  | NA         | <b><u>Only</u></b> if in aqueous solution                         |
| <b>Phosphorus</b> (yellow or white)   | 7723-14-0  | <b><u>Only</u></b> if it is a yellow or white form.               |
| <b>Sulfuric acid</b> (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   | 7664-93-9  | <b><u>Only</u></b> if it is an aerosol form as defined.           |
| <b>Vanadium</b> (except when contained in an alloy)   | 7440-62-2  | <b><u>Except</u></b> if it is contained in an alloy.              |
| <b>Zinc</b> (fume or dust)  | 7440-66-6  | <b><u>Only</u></b> if it is in a fume or dust form.               |

The qualifier for the following three chemicals is based on the chemical activity rather than the form of the chemical. These chemicals are subject to EPCRA section 313 reporting requirements only when the indicated activity is performed.

| Chemical/ Chemical Category  | CAS Number | Qualifier   |
|--|------------|---|
| <b>Dioxin and dioxin-like compounds</b> (manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacture of that chemical.) | NA         | <b><u>Only</u></b> if they are manufactured at the facility; or are processed or otherwise used when present as contaminants in a chemical but only if they were created during the manufacture of that chemical. |
| <b>Isopropyl alcohol</b> (only persons who manufacture by the strong acid process are subject, no supplier notification)   | 67-63-0    | <b><u>Only</u></b> if it is being manufactured by the strong acid process. Facilities that process or otherwise use isopropyl alcohol are <u>not</u> covered and should <u>not</u> file a report.                 |
| <b>Saccharin</b> (only persons who manufacture are subject, no supplier notification)  | 81-07-2    | <b><u>Only</u></b> if it is being manufactured.   |

There are no supplier notification requirements for isopropyl alcohol and saccharin since the processors and users of these chemicals are not required to report. Manufacturers of these chemicals do not need to notify their customers that these are reportable EPCRA section 313 chemicals.

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**Note:** Chemicals may be added to or deleted from the list. The Emergency Planning and Community Right-to-Know Call Center will provide up-to-date information on the status of these changes. See section B.3.c of the instructions for more information on the *de minimis* values listed below. There are no *de minimis* levels for PBT chemicals since the *de minimis* exemption is not available for these chemicals (an asterisk appears where a *de minimis* limit would otherwise appear in Table II). However, for purposes of the supplier notification requirement only, such limits are provided in Appendix D.

### Chemical Qualifiers

This table contains the list of individual EPCRA Section 313 chemicals and categories of chemicals subject to 2009 calendar year reporting. Some of the EPCRA Section 313 chemicals listed have parenthetical qualifiers listed next to them. An EPCRA Section 313 chemical that is listed without a qualifier is subject to reporting in all forms in which it is manufactured, processed, and otherwise used.

**Fume or dust.** Two of the metals on the list (aluminum and zinc) contain the qualifier “fume or dust.” Fume or dust refers to dry forms of these metals but does not refer to “wet” forms such as solutions or slurries. As explained in Section B.3.a of these instructions, the term manufacture includes the generation of an EPCRA Section 313 chemical as a byproduct or impurity. In such cases, a facility should determine if, for example, it generated more than 25,000 pounds of aluminum fume or dust in the reporting year as a result of its activities. If so, the facility must report that it manufactures “aluminum (fume or dust).” Similarly, there may be certain technologies in which one of these metals is processed in the form of a fume or dust to make other EPCRA Section 313 chemicals or other products for distribution in commerce. In reporting releases, the facility would only report releases of the fume or dust.

EPA considers dusts to consist of solid particles generated by any mechanical processing of materials including crushing, grinding, rapid impact, handling, detonation, and decrepitation of organic and inorganic materials such as rock, ore, and metal. Dusts do not tend to flocculate, except under electrostatic forces.

EPA considers a fume to be an airborne dispersion consisting of small solid particles created by condensation from a gaseous state, in distinction to a gas or vapor. Fumes arise from the heating of solids such as lead. The condensation is often accompanied by a chemical reaction, such as oxidation. Fumes flocculate and sometimes coalesce.

**Manufacturing qualifiers.** Two of the entries in the EPCRA Section 313 chemical list contain a qualifier relating to manufacture. For isopropyl alcohol, the qualifier is “only persons who manufacture by the strong acid process are subject, no supplier notification.” For saccharin, the qualifier is “only persons who manufacture are subject, no supplier notification.” For isopropyl alcohol, the qualifier means that only facilities manufacturing isopropyl alcohol by the strong acid process are required to report. In the case of saccharin, only manufacturers of the EPCRA Section 313 chemical are subject to the reporting requirements. A facility that only processes or otherwise uses either of these EPCRA Section 313 chemicals is not required to report for these EPCRA Section 313 chemicals. In both cases, supplier notification does not apply because only manufacturers, not users, of these two EPCRA Section 313 chemicals must report.

**Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing).** The qualifier for ammonia means that anhydrous forms of ammonia are 100% reportable and aqueous forms are limited to 10% of total aqueous ammonia. Therefore when determining threshold and releases and other waste management quantities all anhydrous ammonia is included but only 10% of total aqueous ammonia is included. Any evaporation of ammonia from aqueous ammonia solutions is considered anhydrous ammonia and should be included in threshold determinations and release and other waste management calculations.

**Sulfuric acid and Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size).** The qualifier for sulfuric acid and hydrochloric acid means that the only forms of these chemicals that are reportable are airborne forms. Aqueous solutions are not covered by this listing but any aerosols generated from aqueous solutions are covered.

**Nitrate compounds (water dissociable; reportable only when in aqueous solution).** The qualifier for the nitrate compounds category limits the reporting to nitrate compounds that dissociate in water, generating nitrate ion. For the purposes of threshold determinations the entire weight of the nitrate compound must be included in all calculations. For the purposes of reporting releases and other waste management quantities only the weight of the nitrate ion should be included in the calculations of these quantities.

**Phosphorus (yellow or white).** The listing for phosphorus is qualified by the term “yellow or white.” This means that only manufacturing, processing, or otherwise use of phosphorus in the yellow or white chemical form triggers reporting. Conversely, manufacturing, processing, or otherwise use of “black” or “red” phosphorus does not trigger reporting. Supplier notification also applies only to distribution of yellow or white phosphorus.

**Asbestos (friable).** The listing for asbestos is qualified by the term “friable,” referring to the physical characteristic of being able to be crumbled, pulverized, or reducible to a powder with hand pressure. Only manufacturing, processing, or otherwise use of asbestos in the friable form triggers reporting. Supplier notification applies only to distribution of mixtures or other trade name products containing friable asbestos.

**Aluminum Oxide (fibrous forms).** The listing for aluminum oxide is qualified by the term “fibrous forms.” Fibrous refers to a man-made form of aluminum oxide that is processed to produce strands or filaments which can be cut to various lengths depending on the application. Only manufacturing, processing, or otherwise use of aluminum oxide in the fibrous form triggers

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reporting. Supplier notification applies only to distribution of mixtures or other trade name products containing fibrous forms of aluminum oxide.

**Notes for Sections A and B of following list of TRI chemicals:**

“Color Index” indicated by “C.I.”

\* There are no *de minimis* levels for PBT chemicals, except for supplier notification purposes (see Appendix D).

**a. Individually-Listed Toxic Chemicals Arranged Alphabetically**

| CAS Number | Chemical Name   | <i>Deminimis</i><br>% Limit |
|------------|---|-----------------------------|
| 71751-41-2 | Abamectin [Avermectin B1]   | 1.0                         |
| 30560-19-1 | Acephate<br>(Acetylphosphoramidothioic acid O,S-dimethyl ester)   | 1.0                         |
| 75-07-0    | Acetaldehyde  | 0.1                         |
| 60-35-5    | Acetamide   | 0.1                         |
| 75-05-8    | Acetonitrile  | 1.0                         |
| 98-86-2    | Acetophenone  | 1.0                         |
| 53-96-3    | 2-Acetylaminofluorene   | 0.1                         |
| 62476-59-9 | Acifluorfen, sodium salt<br>[5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]  | 1.0                         |
| 107-02-8   | Acrolein  | 1.0                         |
| 79-06-1    | Acrylamide  | 0.1                         |
| 79-10-7    | Acrylic acid  | 1.0                         |
| 107-13-1   | Acrylonitrile   | 0.1                         |
| 15972-60-8 | Alachlor  | 1.0                         |
| 116-06-3   | Aldicarb  | 1.0                         |
| 309-00-2   | Aldrin<br>[1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta.,5.alpha.,8.alpha.,8a.beta.)-] | *                           |
| 28057-48-9 | d-trans-Allethrin<br>[d-trans-Chrysanthemic acid of d-allethron]  | 1.0                         |
| 107-18-6   | Allyl alcohol   | 1.0                         |
| 107-11-9   | Allylamine  | 1.0                         |
| 107-05-1   | Allyl chloride  | 1.0                         |
| 7429-90-5  | Aluminum (fume or dust)   | 1.0                         |
| 20859-73-8 | Aluminum phosphide  | 1.0                         |
| 1344-28-1  | Aluminum oxide (fibrous forms)  | 1.0                         |
| 834-12-8   | Ametryn<br>(N-Ethyl-N=-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)   | 1.0                         |
| 117-79-3   | 2-Aminoanthraquinone  | 0.1                         |
| 60-09-3    | 4-Aminoazobenzene   | 0.1                         |
| 92-67-1    | 4-Aminobiphenyl   | 0.1                         |
| 82-28-0    | 1-Amino-2-methylanthraquinone   | 0.1                         |
| 33089-61-1 | Amitraz   | 1.0                         |
| 61-82-5    | Amitrole  | 0.1                         |
| 7664-41-7  | Ammonia   | 1.0                         |

| CAS Number | Chemical Name  | <i>Deminimis</i><br>% Limit |
|------------|--|-----------------------------|
|            | (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) |                             |
| 101-05-3   | Anilazine<br>[4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]   | 1.0                         |
| 62-53-3    | Aniline  | 1.0                         |
| 90-04-0    | o-Anisidine  | 0.1                         |
| 104-94-9   | p-Anisidine  | 1.0                         |
| 134-29-2   | o-Anisidine hydrochloride  | 0.1                         |
| 120-12-7   | Anthracene   | 1.0                         |
| 7440-36-0  | Antimony   | 1.0                         |
| 7440-38-2  | Arsenic  | 0.1                         |
| 1332-21-4  | Asbestos (friable)   | 0.1                         |
| 1912-24-9  | Atrazine<br>(6-Chloro-N-ethyl-N=-(1-methylethyl)-1,3,5-triazine-2,4-diamine)   | 1.0                         |
| 7440-39-3  | Barium   | 1.0                         |
| 22781-23-3 | Bendiocarb<br>[2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]  | 1.0                         |
| 1861-40-1  | Benfluralin<br>(N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)  | 1.0                         |
| 17804-35-2 | Benomyl  | 1.0                         |
| 98-87-3    | Benzal chloride  | 1.0                         |
| 55-21-0    | Benzamide  | 1.0                         |
| 71-43-2    | Benzene  | 0.1                         |
| 92-87-5    | Benidine   | 0.1                         |
| 98-07-7    | Benzoic trichloride<br>(Benzotrichloride)  | 0.1                         |
| 191-24-2   | Benzo(g,h,i)perylene   | *                           |
| 98-88-4    | Benzoyl chloride   | 1.0                         |
| 94-36-0    | Benzoyl peroxide   | 1.0                         |
| 100-44-7   | Benzyl chloride  | 1.0                         |
| 7440-41-7  | Beryllium  | 0.1                         |
| 82657-04-3 | Bifenthrin   | 1.0                         |
| 92-52-4    | Biphenyl   | 1.0                         |
| 111-91-1   | Bis(2-chloroethoxy) methane  | 1.0                         |
| 111-44-4   | Bis(2-chloroethyl) ether   | 1.0                         |
| 542-88-1   | Bis(chloromethyl) ether  | 0.1                         |
| 108-60-1   | Bis(2-chloro-1-methylethyl)ether   | 1.0                         |
| 56-35-9    | Bis(tributyltin) oxide   | 1.0                         |
| 10294-34-5 | Boron trichloride  | 1.0                         |
| 7637-07-2  | Boron trifluoride  | 1.0                         |
| 314-40-9   | Bromacil<br>(5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)   | 1.0                         |
| 53404-19-6 | Bromacil, lithium salt<br>[2,4(1H,3H)-Pyrimidinedione,5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]   | 1.0                         |
| 7726-95-6  | Bromine  | 1.0                         |
| 35691-65-7 | 1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile  | 1.0                         |
| 353-59-3   | Bromochlorodifluoromethane   | 1.0                         |

**Table II. EPCRA Section 313 Chemical List – RY20**

| CAS Number | Chemical Name   | Deminimis<br>% Limit | CAS Number | Chemical Name   | Deminimis<br>% Limit |
|------------|---|----------------------|------------|---|----------------------|
|            | (Halon 1211)  |                      | 75-68-3    | 1-Chloro-1,1-difluoroethane<br>(HCFC-142b)  | 1.0                  |
| 75-25-2    | Bromoform (Tribromomethane)   | 1.0                  | 75-45-6    | Chlorodifluoromethane<br>(HCFC-22)  | 1.0                  |
| 74-83-9    | Bromomethane<br>(Methyl bromide)  | 1.0                  | 75-00-3    | Chloroethane (Ethyl chloride)   | 1.0                  |
| 75-63-8    | Bromotrifluoromethane<br>(Halon 1301)   | 1.0                  | 67-66-3    | Chloroform  | 0.1                  |
| 1689-84-5  | Bromoxynil  | 1.0                  | 74-87-3    | Chloromethane (Methyl chloride)   | 1.0                  |
| 1689-99-2  | Bromoxynil octanoate<br>(Octanoic acid, 2,6-dibromo-4-<br>cyanophenylester)                                       | 1.0                  | 107-30-2   | Chloromethyl methyl ether   | 0.1                  |
| 357-57-3   | Brucine   | 1.0                  | 563-47-3   | 3-Chloro-2-methyl-1-propene   | 0.1                  |
| 106-99-0   | 1,3-Butadiene   | 0.1                  | 104-12-1   | p-Chlorophenyl isocyanate   | 1.0                  |
| 141-32-2   | Butyl acrylate  | 1.0                  | 76-06-2    | Chloropicrin  | 1.0                  |
| 71-36-3    | n-Butyl alcohol   | 1.0                  | 126-99-8   | Chloroprene   | 0.1                  |
| 78-92-2    | sec-Butyl alcohol   | 1.0                  | 542-76-7   | 3-Chloropropionitrile   | 1.0                  |
| 75-65-0    | tert-Butyl alcohol  | 1.0                  | 63938-10-3 | Chlorotetrafluoroethane   | 1.0                  |
| 106-88-7   | 1,2-Butylene oxide  | 0.1                  | 354-25-6   | 1-Chloro-1,1,2,2-<br>tetrafluoroethane (HCFC-124a)  | 1.0                  |
| 123-72-8   | Butyraldehyde   | 1.0                  | 2837-89-0  | 2-Chloro-1,1,1,2-<br>tetrafluoroethane (HCFC-124)   | 1.0                  |
| 7440-43-9  | Cadmium   | 0.1                  | 1897-45-6  | Chlorothalonil<br>[1,3-Benzenedicarbonitrile, 2,4,5,6-<br>tetrachloro-]   | 0.1                  |
| 156-62-7   | Calcium cyanamide   | 1.0                  | 95-69-2    | p-Chloro-o-toluidine  | 0.1                  |
| 133-06-2   | Captan<br>[1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-<br>tetrahydro-2-[(trichloromethyl)thio]-]                       | 1.0                  | 75-88-7    | 2-Chloro-1,1,1-<br>trifluoroethane (HCFC-133a)  | 1.0                  |
| 63-25-2    | Carbaryl [1-Naphthalenol,<br>methylcarbamate]   | 1.0                  | 75-72-9    | Chlorotrifluoromethane (CFC-13)   | 1.0                  |
| 1563-66-2  | Carbofuran  | 1.0                  | 460-35-5   | 3-Chloro-1,1,1-<br>trifluoropropane (HCFC-253fb)  | 1.0                  |
| 75-15-0    | Carbon disulfide  | 1.0                  | 5598-13-0  | Chlorpyrifos methyl<br>[O,O-Dimethyl-O-(3,5,6-trichloro-2-<br>pyridyl)phosphorothioate]                         | 1.0                  |
| 56-23-5    | Carbon tetrachloride  | 0.1                  | 64902-72-3 | Chlorsulfuron<br>[2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-<br>triazin-2-yl)amino]carbonyl]<br>benzenesulfonamide] | 1.0                  |
| 463-58-1   | Carbonyl sulfide  | 1.0                  | 7440-47-3  | Chromium  | 1.0                  |
| 5234-68-4  | Carboxin<br>(5,6-Dihydro-2-methyl-N-<br>phenyl-1,4-oxathiin-3-carboxamide)  | 1.0                  | 4680-78-8  | C.I. Acid Green 3   | 1.0                  |
| 120-80-9   | Catechol  | 0.1                  | 6459-94-5  | C.I. Acid Red 114   | 0.1                  |
| 2439-01-2  | Chinomethionat<br>[6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-<br>one]  | 1.0                  | 569-64-2   | C.I. Basic Green 4  | 1.0                  |
| 133-90-4   | Chloramben<br>[Benzoic acid, 3-amino-2,5-dichloro-]   | 1.0                  | 989-38-8   | C.I. Basic Red 1  | 1.0                  |
| 57-74-9    | Chlordane<br>[4,7-Methanoindan, 1,2,4,5,6,7,8,8-<br>octachloro-2,3,3a,4,7,7a-hexahydro-]                          | *                    | 1937-37-7  | C.I. Direct Black 38  | 0.1                  |
| 115-28-6   | Chlorendic acid   | 0.1                  | 2602-46-2  | C.I. Direct Blue 6  | 0.1                  |
| 90982-32-4 | Chlorimuron ethyl<br>[Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-<br>yl)amino]carbonyl]amino]sulfonyl]<br>benzoate] | 1.0                  | 28407-37-6 | C.I. Direct Blue 218  | 1.0                  |
| 7782-50-5  | Chlorine  | 1.0                  | 16071-86-6 | C.I. Direct Brown 95  | 0.1                  |
| 10049-04-4 | Chlorine dioxide  | 1.0                  | 2832-40-8  | C.I. Disperse Yellow 3  | 1.0                  |
| 79-11-8    | Chloroacetic acid   | 1.0                  | 3761-53-3  | C.I. Food Red 5   | 0.1                  |
| 532-27-4   | 2-Chloroacetophenone  | 1.0                  | 81-88-9    | C.I. Food Red 15  | 1.0                  |
| 4080-31-3  | 1-(3-Chloroallyl)-3,5,7-triaza-<br>1-azoniaadamantane chloride  | 1.0                  | 3118-97-6  | C.I. Solvent Orange 7   | 1.0                  |
| 106-47-8   | p-Chloroaniline   | 0.1                  | 97-56-3    | C.I. Solvent Yellow 3   | 0.1                  |
| 108-90-7   | Chlorobenzene   | 1.0                  | 842-07-9   | C.I. Solvent Yellow 14  | 1.0                  |
| 510-15-6   | Chlorobenzilate<br>[Benzeneacetic acid, 4-chloro-.alpha.- (4-<br>chlorophenyl)-.alpha.-hydroxy-, ethyl ester]     | 1.0                  | 492-80-8   | C.I. Solvent Yellow 34<br>(Auramine)  | 0.1                  |
|            |   |                      | 128-66-5   | C.I. Vat Yellow 4   | 1.0                  |
|            |   |                      | 7440-48-4  | Cobalt  | 0.1                  |
|            |   |                      | 7440-50-8  | Copper  | 1.0                  |
|            |   |                      | 8001-58-9  | Creosote  | 0.1                  |
|            |   |                      | 120-71-8   | p-Cresidine   | 0.1                  |
|            |   |                      | 108-39-4   | m-Cresol  | 1.0                  |
|            |   |                      | 95-48-7    | o-Cresol  | 1.0                  |

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| CAS Number | Chemical Name   | Deminimis<br>% Limit | CAS Number  | Chemical Name  | Deminimis<br>% Limit |
|------------|---|----------------------|-------------|--|----------------------|
| 106-44-5   | p-Cresol  | 1.0                  |             | (3,6-Dichloro-2-methoxybenzoic acid)                   |                      |
| 1319-77-3  | Cresol (mixed isomers)  | 1.0                  | 99-30-9     | Dichloran  | 1.0                  |
| 4170-30-3  | Crotonaldehyde  | 1.0                  |             | [2,6-Dichloro-4-nitroaniline]                          |                      |
| 98-82-8    | Cumene  | 1.0                  | 95-50-1     | 1,2-Dichlorobenzene                                    | 1.0                  |
| 80-15-9    | Cumene hydroperoxide  | 1.0                  | 541-73-1    | 1,3-Dichlorobenzene                                    | 1.0                  |
| 135-20-6   | Cupferron   | 0.1                  | 106-46-7    | 1,4-Dichlorobenzene                                    | 0.1                  |
|            | [Benzeneamine, N-hydroxy-N-nitroso, ammonium salt]  |                      | 25321-22-6  | Dichlorobenzene (mixed isomers)                        | 0.1                  |
| 21725-46-2 | Cyanazine   | 1.0                  | 91-94-1     | 3,3'-Dichlorobenzidine                                 | 0.1                  |
| 1134-23-2  | Cycloate  | 1.0                  | 612-83-9    | 3,3'-Dichlorobenzidine dihydrochloride                 | 0.1                  |
| 110-82-7   | Cyclohexane   | 1.0                  | 64969-34-2  | 3,3'-Dichlorobenzidine sulfate                         | 0.1                  |
| 108-93-0   | Cyclohexanol  | 1.0                  | 75-27-4     | Dichlorobromomethane                                   | 0.1                  |
| 68359-37-5 | Cyfluthrin  | 1.0                  | 764-41-0    | 1,4-Dichloro-2-butene                                  | 1.0                  |
|            | [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl) methyl ester]       |                      | 110-57-6    | trans-1,4-Dichloro-2-butene                            | 1.0                  |
| 68085-85-8 | Cyhalothrin   | 1.0                  | 1649-08-7   | 1,2-Dichloro-1,1-difluoroethane (HCFC-132b)            | 1.0                  |
|            | [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane-carboxylic acid cyano(3-phenoxyphenyl)methyl ester] |                      | 75-71-8     | Dichlorodifluoromethane (CFC-12)                       | 1.0                  |
| 94-75-7    | 2,4-D   | 0.1                  | 107-06-2    | 1,2-Dichloroethane (Ethylene dichloride)               | 0.1                  |
|            | [Acetic acid, (2,4-dichlorophenoxy)-]   |                      | 540-59-0    | 1,2-Dichloroethylene                                   | 1.0                  |
| 533-74-4   | Dazomet   | 1.0                  | 1717-00-6   | 1,1-Dichloro-1-fluoroethane (HCFC-141b)                | 1.0                  |
|            | (Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)   |                      | 75-43-4     | Dichlorofluoromethane (HCFC-21)                        | 1.0                  |
| 53404-60-7 | Dazomet, sodium salt  | 1.0                  | 75-09-2     | Dichloromethane (Methylene chloride)                   | 0.1                  |
|            | [Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium]  |                      | 127564-92-5 | Dichloropentafluoropropane                             | 1.0                  |
| 94-82-6    | 2,4-DB  | 1.0                  | 13474-88-9  | 1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc) | 1.0                  |
| 1929-73-3  | 2,4-D butoxyethyl ester   | 0.1                  | 111512-56-2 | 1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb) | 1.0                  |
| 94-80-4    | 2,4-D butyl ester   | 0.1                  | 422-44-6    | 1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb) | 1.0                  |
| 2971-38-2  | 2,4-D chlorocrotyl ester  | 0.1                  | 431-86-7    | 1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da) | 1.0                  |
| 1163-19-5  | Decabromodiphenyl oxide   | 1.0                  | 507-55-1    | 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb) | 1.0                  |
| 13684-56-5 | Desmedipham   | 1.0                  | 136013-79-1 | 1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea) | 1.0                  |
| 1928-43-4  | 2,4-D 2-ethylhexyl ester  | 0.1                  | 128903-21-9 | 2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa) | 1.0                  |
| 53404-37-8 | 2,4-D 2-ethyl-4-methylpentyl ester  | 0.1                  | 422-48-0    | 2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba) | 1.0                  |
| 2303-16-4  | Diallate  | 1.0                  | 422-56-0    | 3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca) | 1.0                  |
|            | [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester]  |                      | 97-23-4     | Dichlorophene  | 1.0                  |
| 615-05-4   | 2,4-Diaminoanisole  | 0.1                  |             | [2,2'-Methylenebis(4-chlorophenol)]                    |                      |
| 39156-41-7 | 2,4-Diaminoanisole sulfate  | 0.1                  | 120-83-2    | 2,4-Dichlorophenol                                     | 1.0                  |
| 101-80-4   | 4,4'-Diaminodiphenyl ether  | 0.1                  | 78-87-5     | 1,2-Dichloropropane                                    | 1.0                  |
| 95-80-7    | 2,4-Diaminotoluene  | 0.1                  | 10061-02-6  | trans-1,3-Dichloropropene                              | 0.1                  |
| 25376-45-8 | Diaminotoluene (mixed isomers)  | 0.1                  | 78-88-6     | 2,3-Dichloropropene                                    | 1.0                  |
| 333-41-5   | Diazinon  | 1.0                  | 542-75-6    | 1,3-Dichloropropylene                                  | 0.1                  |
| 334-88-3   | Diazomethane  | 1.0                  | 76-14-2     | Dichlorotetrafluoroethane (CFC-114)                    | 1.0                  |
| 132-64-9   | Dibenzofuran  | 1.0                  | 34077-87-7  | Dichlorotrifluoroethane                                | 1.0                  |
| 96-12-8    | 1,2-Dibromo-3-chloropropane (DBCP)  | 0.1                  | 90454-18-5  | Dichloro-1,1,2-trifluoroethane                         | 1.0                  |
| 106-93-4   | 1,2-Dibromoethane (Ethylene dibromide)  | 0.1                  | 812-04-4    | 1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)         | 1.0                  |
| 124-73-2   | Dibromotetrafluoroethane (Halon 2402)   | 1.0                  | 354-23-4    | 1,2-Dichloro-1,1,2-                                    | 1.0                  |
| 84-74-2    | Dibutyl phthalate   | 1.0                  |             |  |                      |
| 1918-00-9  | Dicamba   | 1.0                  |             |  |                      |

**Table II. EPCRA Section 313 Chemical List – RY2010**

| CAS Number  | Chemical Name   | Deminimis<br>% Limit | CAS Number | Chemical Name   | Deminimis<br>% Limit |
|-------------|---|----------------------|------------|---|----------------------|
| 306-83-2    | trifluoroethane (HCFC-123a)   | 1.0                  | 123-91-1   | 1,4-Dioxane   | 0.1                  |
| 62-73-7     | 2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)                                       | 0.1                  | 957-51-7   | Diphenamid  | 1.0                  |
| 51338-27-3  | Dichlorvos<br>[Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]                 | 1.0                  | 122-39-4   | Diphenylamine   | 1.0                  |
| 115-32-2    | Diclofop methyl<br>[2-[4-(2,4-Dichlorophenoxy)phenoxy]propanoic acid, methyl ester] | 1.0                  | 122-66-7   | 1,2-Diphenylhydrazine<br>(Hydrazobenzene)   | 0.1                  |
| 77-73-6     | Dicofol<br>[Benzenemethanol, 4-chloro-]   | 1.0                  | 2164-07-0  | Dipotassium endothall<br>[7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]         | 1.0                  |
| 1464-53-5   | Dicyclopentadiene   | 0.1                  | 136-45-8   | Dipropyl isocinchomeronate  | 1.0                  |
| 111-42-2    | Diepoxybutane   | 1.0                  | 138-93-2   | Disodium<br>cyanodithioimidocarbonate   | 1.0                  |
| 38727-55-8  | Diethanolamine  | 1.0                  | 94-11-1    | 2,4-D isopropyl ester   | 0.1                  |
| 117-81-7    | Diethyl ethyl phthalate (DEHP)  | 0.1                  | 541-53-7   | 2,4-Dithiobiuret  | 1.0                  |
| 64-67-5     | Diethyl sulfate   | 0.1                  | 330-54-1   | Diuron  | 1.0                  |
| 35367-38-5  | Diflubenzuron   | 1.0                  | 2439-10-3  | Dodine [Dodecylguanidine monoacetate]   | 1.0                  |
| 101-90-6    | Diglycidyl resorcinol ether   | 0.1                  | 120-36-5   | 2,4-DP  | 0.1                  |
| 94-58-6     | Dihydrosafrole  | 0.1                  | 1320-18-9  | 2,4-D propylene glycol<br>butyl ether ester   | 0.1                  |
| 55290-64-7  | Dimethipin<br>[2,3-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide]             | 1.0                  | 2702-72-9  | 2,4-D sodium salt   | 0.1                  |
| 60-51-5     | Dimethoate  | 1.0                  | 106-89-8   | Epichlorohydrin   | 0.1                  |
| 119-90-4    | 3,3'-Dimethoxybenzidine   | 0.1                  | 13194-48-4 | Ethoprop<br>[Phosphorodithioic acid O-ethyl S,S-dipropyl ester]                                       | 1.0                  |
| 20325-40-0  | 3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)             | 0.1                  | 110-80-5   | 2-Ethoxyethanol   | 1.0                  |
| 111984-09-9 | 3,3'-Dimethoxybenzidine hydrochloride (o-Dianisidine hydrochloride)                 | 0.1                  | 140-88-5   | Ethyl acrylate  | 0.1                  |
| 124-40-3    | Dimethylamine   | 1.0                  | 100-41-4   | Ethylbenzene  | 0.1                  |
| 2300-66-5   | Dimethylamine dicamba   | 1.0                  | 541-41-3   | Ethyl chloroformate   | 1.0                  |
| 60-11-7     | 4-Dimethylaminoazobenzene   | 0.1                  | 759-94-4   | Ethyl dipropylthiocarbamate (EPTC)  | 1.0                  |
| 121-69-7    | N,N-Dimethylaniline   | 1.0                  | 74-85-1    | Ethylene  | 1.0                  |
| 119-93-7    | 3,3'-Dimethylbenzidine (o-Tolidine)   | 0.1                  | 107-21-1   | Ethylene glycol   | 1.0                  |
| 612-82-8    | 3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)                 | 0.1                  | 151-56-4   | Ethyleneimine (Aziridine)   | 0.1                  |
| 41766-75-0  | 3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidine dihydrofluoride)                 | 0.1                  | 75-21-8    | Ethylene oxide  | 0.1                  |
| 79-44-7     | Dimethylcarbaryl chloride   | 0.1                  | 96-45-7    | Ethylene thiourea   | 0.1                  |
| 2524-03-0   | Dimethyl chlorothiophosphate  | 1.0                  | 75-34-3    | Ethylidene dichloride   | 1.0                  |
| 68-12-2     | N,N-Dimethylformamide   | 1.0                  | 52-85-7    | Famphur   | 1.0                  |
| 57-14-7     | 1,1-Dimethyl hydrazine  | 0.1                  | 60168-88-9 | Fenarimol<br>[.alpha.-(2-Chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol]                 | 1.0                  |
| 105-67-9    | 2,4-Dimethylphenol  | 1.0                  | 13356-08-6 | Fenbutatin oxide<br>(Hexakis(2-methyl-2-phenylpropyl) distannoxane)                                   | 1.0                  |
| 131-11-3    | Dimethyl phthalate  | 1.0                  | 66441-23-4 | Fenoxaprop ethyl<br>[2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester]          | 1.0                  |
| 77-78-1     | Dimethyl sulfate  | 0.1                  | 72490-01-8 | Fenoxycarb<br>[[2-(4-Phenoxyphenoxy)ethyl]carbamic acid ethyl ester]                                  | 1.0                  |
| 99-65-0     | m-Dinitrobenzene  | 1.0                  | 39515-41-8 | Fenpropathrin<br>[2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester] | 1.0                  |
| 528-29-0    | o-Dinitrobenzene  | 1.0                  | 55-38-9    | Fenthion<br>[O,O-Dimethyl O-[3-methyl-4-  | 1.0                  |
| 100-25-4    | p-Dinitrobenzene  | 1.0                  |            |   |                      |
| 88-85-7     | Dinitrobutyl phenol (Dinoseb)   | 1.0                  |            |   |                      |
| 534-52-1    | 4,6-Dinitro-o-cresol  | 1.0                  |            |   |                      |
| 51-28-5     | 2,4-Dinitrophenol   | 1.0                  |            |   |                      |
| 121-14-2    | 2,4-Dinitrotoluene  | 0.1                  |            |   |                      |
| 606-20-2    | 2,6-Dinitrotoluene  | 0.1                  |            |   |                      |
| 25321-14-6  | Dinitrotoluene (mixed isomers)  | 1.0                  |            |   |                      |
| 39300-45-3  | Dinocap   | 1.0                  |            |   |                      |

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| CAS Number | Chemical Name   | <i>Deminimis</i><br>% Limit | CAS Number | Chemical Name  | <i>Deminimis</i><br>% Limit |
|------------|---|-----------------------------|------------|--|-----------------------------|
| 51630-58-1 | (methylthio)phenyl] ester, phosphorothioic acid]  | 1.0                         | 55406-53-6 | propenyloxy)ethyl]-1H-imidazole]   | 1.0                         |
| 14484-64-1 | Fenvalerate<br>[4-Chloro-alpha-(1-methylethyl) benzeneacetic acid cyano (3-phenoxyphenyl) methyl ester]   | 1.0                         | 13463-40-6 | butylcarbamate   | 1.0                         |
| 69806-50-4 | Ferbam<br>[Tris(dimethylcarbamodithioato- S,S')iron]  | 1.0                         | 78-84-2    | Iron pentacarbonyl   | 1.0                         |
| 2164-17-2  | Fluazifop butyl<br>[2-[4-[[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester]   | 1.0                         | 465-73-6   | Isobutyraldehyde   | *                           |
| 7782-41-4  | Fluometuron<br>[Urea, N,N-dimethyl-N=-[3-(trifluoromethyl)phenyl]-]   | 1.0                         | 25311-71-1 | Isodenphos[2-[[Ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy] benzoic acid 1-methylethyl ester]                   | 1.0                         |
| 51-21-8    | Fluorine  | 1.0                         | 67-63-0    | Isopropyl alcohol<br>(only persons who manufacture by the strong acid process are subject, no supplier notification) | 1.0                         |
| 69409-94-5 | Fluorouracil (5-Fluorouracil)   | 1.0                         | 80-05-7    | 4,4'-Isopropylidenediphenol  | 1.0                         |
| 133-07-3   | Fluvalinate<br>[N-[2-Chloro-4-(trifluoromethyl)phenyl]-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester]   | 1.0                         | 120-58-1   | Isosafrole   | 1.0                         |
| 72178-02-0 | Folpet  | 1.0                         | 77501-63-4 | Lactofen<br>[Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]     | 1.0                         |
| 50-00-0    | Fomesafen<br>[5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-nitrobenzamide]  | 1.0                         | 7439-92-1  | Lead<br>(when lead is contained in stainless steel, brass or bronze alloys the <i>de minimis</i> level is 0.1)       | *                           |
| 64-18-6    | Formaldehyde  | 0.1                         | 58-89-9    | Lindane<br>[Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-]            | 0.1                         |
| 76-13-1    | Formic acid   | 1.0                         | 330-55-2   | Linuron  | 1.0                         |
| 76-44-8    | Freon 113<br>[Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]  | 1.0                         | 554-13-2   | Lithium carbonate  | 1.0                         |
| 118-74-1   | Heptachlor  | *                           | 121-75-5   | Malathion  | 1.0                         |
| 87-68-3    | [1,4,5,6,7,8,8-Heptachloro-3a, 4,7,7a-tetrahydro-4,7-methano-1H-indene]   | *                           | 108-31-6   | Maleic anhydride   | 1.0                         |
| 319-84-6   | Hexachlorobenzene   | 1.0                         | 109-77-3   | Malononitrile  | 1.0                         |
| 77-47-4    | Hexachloro-1,3-butadiene  | 0.1                         | 12427-38-2 | Maneb<br>[Carbamodithioic acid, 1,2-ethanediybis-, manganese complex]  | 1.0                         |
| 67-72-1    | Hexachlorocyclopentadiene   | 1.0                         | 7439-96-5  | Manganese  | 1.0                         |
| 1335-87-1  | Hexachloroethane  | 0.1                         | 93-65-2    | Mecoprop   | 0.1                         |
| 70-30-4    | Hexachloronaphthalene   | 1.0                         | 149-30-4   | 2-Mercaptobenzothiazole (MBT)  | 1.0                         |
| 680-31-9   | Hexachlorophene   | 1.0                         | 7439-97-6  | Mercury  | *                           |
| 110-54-3   | Hexamethylphosphoramide   | 0.1                         | 150-50-5   | Merphos  | 1.0                         |
| 51235-04-2 | n-Hexane  | 1.0                         | 126-98-7   | Methacrylonitrile  | 1.0                         |
| 67485-29-4 | Hexazinone  | 1.0                         | 137-42-8   | Metham sodium (Sodium methylthiocarbamate)   | 1.0                         |
| 302-01-2   | Hydramethylnon<br>[Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone] | 1.0                         | 67-56-1    | Methanol   | 1.0                         |
| 10034-93-2 | Hydrazine   | 0.1                         | 20354-26-1 | Methazole<br>[2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]  | 1.0                         |
| 7647-01-0  | Hydrazine sulfate   | 0.1                         | 2032-65-7  | Methiocarb   | 1.0                         |
| 74-90-8    | Hydrochloric acid<br>(acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   | 1.0                         | 94-74-6    | Methoxone<br>(4-Chloro-2-methylphenoxy) acetic acid (MCPA)   | 0.1                         |
| 7664-39-3  | Hydrogen cyanide  | 1.0                         | 3653-48-3  | Methoxone sodium salt<br>(4-Chloro-2-methylphenoxy) acetate sodium salt)   | 0.1                         |
| 123-31-9   | Hydrogen fluoride   | 1.0                         | 72-43-5    | Methoxychlor<br>[Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]  | *                           |
| 35554-44-0 | Hydroquinone  | 1.0                         | 109-86-4   | 2-Methoxyethanol   | 1.0                         |
|            | Imazalil<br>[1-[2-(2,4-Dichlorophenyl)-2-(2-  | 1.0                         |            |  |                             |

**Table II. EPCRA Section 313 Chemical List – RY2010**

| <b>CAS Number</b> | <b>Chemical Name</b>  | <b><i>Deminimis</i><br/>% Limit</b> |
|-------------------|---|-------------------------------------|
| 96-33-3           | Methyl acrylate   | 1.0                                 |
| 1634-04-4         | Methyl tert-butyl ether   | 1.0                                 |
| 79-22-1           | Methyl chlorocarbonate  | 1.0                                 |
| 101-14-4          | 4,4'-Methylenebis(2-chloroaniline)  | 0.1                                 |
|                   | (MBOCA)   |                                     |
| 101-61-1          | 4,4'-Methylenebis(N,N-dimethyl)benzenamine  | 0.1                                 |
| 74-95-3           | Methylene bromide   | 1.0                                 |
| 101-77-9          | 4,4'-Methylenedianiline   | 0.1                                 |
| 60-34-4           | Methyl hydrazine  | 1.0                                 |
| 74-88-4           | Methyl iodide   | 1.0                                 |
| 108-10-1          | Methyl isobutyl ketone  | 1.0                                 |
| 624-83-9          | Methyl isocyanate   | 1.0                                 |
| 556-61-6          | Methyl isothiocyanate<br>[Isothiocyanatomethane]  | 1.0                                 |
| 75-86-5           | 2-Methylacetonitrile  | 1.0                                 |
| 80-62-6           | Methyl methacrylate   | 1.0                                 |
| 924-42-5          | N-Methylolacrylamide  | 1.0                                 |
| 298-00-0          | Methyl parathion  | 1.0                                 |
| 109-06-8          | 2-Methylpyridine  | 1.0                                 |
| 872-50-4          | N-Methyl-2-pyrrolidone  | 1.0                                 |
| 9006-42-2         | Metiram   | 1.0                                 |
| 21087-64-9        | Metribuzin  | 1.0                                 |
| 7786-34-7         | Mevinphos   | 1.0                                 |
| 90-94-8           | Michler's ketone  | 0.1                                 |
| 2212-67-1         | Molinate<br>(1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester)                      | 1.0                                 |
| 1313-27-5         | Molybdenum trioxide   | 1.0                                 |
| 76-15-3           | Monochloropentafluoroethane (CFC-115)   | 1.0                                 |
| 150-68-5          | Monuron   | 1.0                                 |
| 505-60-2          | Mustard gas<br>[Ethane, 1,1'-thiobis[2-chloro-]]  | 0.1                                 |
| 88671-89-0        | Myclobutanil<br>[.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile] | 1.0                                 |
| 142-59-6          | Nabam   | 1.0                                 |
| 300-76-5          | Naled   | 1.0                                 |
| 91-20-3           | Naphthalene   | 0.1                                 |
| 134-32-7          | alpha-Naphthylamine   | 0.1                                 |
| 91-59-8           | beta-Naphthylamine  | 0.1                                 |
| 7440-02-0         | Nickel  | 0.1                                 |
| 1929-82-4         | Nitrapyrin<br>(2-Chloro-6-(trichloromethyl)pyridine)  | 1.0                                 |
| 7697-37-2         | Nitric acid   | 1.0                                 |
| 139-13-9          | Nitrilotriacetic acid   | 0.1                                 |
| 100-01-6          | p-Nitroaniline  | 1.0                                 |
| 99-59-2           | 5-Nitro-o-anisidine   | 1.0                                 |
| 98-95-3           | Nitrobenzene  | 0.1                                 |
| 92-93-3           | 4-Nitrobiphenyl   | 0.1                                 |
| 1836-75-5         | Nitrofen<br>[Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]                                     | 0.1                                 |
| 51-75-2           | Nitrogen mustard<br>[2-Chloro-N-(2-chloroethyl)-N-methylethanamine]                         | 0.1                                 |
| 55-63-0           | Nitroglycerin   | 1.0                                 |
| 88-75-5           | 2-Nitrophenol   | 1.0                                 |

| <b>CAS Number</b> | <b>Chemical Name</b>  | <b><i>Deminimis</i><br/>% Limit</b> |
|-------------------|---|-------------------------------------|
| 100-02-7          | 4-Nitrophenol   | 1.0                                 |
| 79-46-9           | 2-Nitropropane  | 0.1                                 |
| 924-16-3          | N-Nitrosodi-n-butylamine  | 0.1                                 |
| 55-18-5           | N-Nitrosodiethylamine   | 0.1                                 |
| 62-75-9           | N-Nitrosodimethylamine  | 0.1                                 |
| 86-30-6           | N-Nitrosodiphenylamine  | 1.0                                 |
| 156-10-5          | p-Nitrosodiphenylamine  | 1.0                                 |
| 621-64-7          | N-Nitrosodi-n-propylamine   | 0.1                                 |
| 759-73-9          | N-Nitroso-N-ethylurea   | 0.1                                 |
| 684-93-5          | N-Nitroso-N-methylurea  | 0.1                                 |
| 4549-40-0         | N-Nitrosomethylvinylamine   | 0.1                                 |
| 59-89-2           | N-Nitrosomorpholine   | 0.1                                 |
| 16543-55-8        | N-Nitrosornicotine  | 0.1                                 |
| 100-75-4          | N-Nitrosopiperidine   | 0.1                                 |
| 99-55-8           | 5-Nitro-o-toluidine   | 1.0                                 |
| 27314-13-2        | Norflurazon<br>[4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]                      | 1.0                                 |
| 2234-13-1         | Octachloronaphthalene   | 1.0                                 |
| 29082-74-4        | Octachlorostyrene   | *                                   |
| 19044-88-3        | Oryzalin<br>[4-(Dipropylamino)-3,5-dinitrobenzene sulfonamide]  | 1.0                                 |
| 20816-12-0        | Osmium tetroxide  | 1.0                                 |
| 301-12-2          | Oxydemeton methyl<br>[S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid]                       | 1.0                                 |
| 19666-30-9        | Oxydiazon<br>[3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]- 5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]       | 1.0                                 |
| 42874-03-3        | Oxyfluorfen   | 1.0                                 |
| 10028-15-6        | Ozone   | 1.0                                 |
| 123-63-7          | Paraldehyde   | 1.0                                 |
| 1910-42-5         | Paraquat dichloride   | 1.0                                 |
| 56-38-2           | Parathion<br>[Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl)ester]   | 1.0                                 |
| 1114-71-2         | Pebulate<br>[Butylethylcarbamothioic acid S-propyl ester]   | 1.0                                 |
| 40487-42-1        | Pendimethalin<br>[N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine]  | *                                   |
| 608-93-5          | Pentachlorobenzene  | *                                   |
| 76-01-7           | Pentachloroethane   | 1.0                                 |
| 87-86-5           | Pentachlorophenol (PCP)   | 0.1                                 |
| 57-33-0           | Pentobarbital sodium  | 1.0                                 |
| 79-21-0           | Peracetic acid  | 1.0                                 |
| 594-42-3          | Perchloromethyl mercaptan   | 1.0                                 |
| 52645-53-1        | Permethrin<br>[3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, (3-phenoxyphenyl) methyl ester] | 1.0                                 |
| 85-01-8           | Phenanthrene  | 1.0                                 |
| 108-95-2          | Phenol  | 1.0                                 |
| 26002-80-2        | Phenothrin  | 1.0                                 |



**Table II. EPCRA Section 313 Chemical List – RY2010**

| CAS Number | Chemical Name   | Deminimis<br>% Limit | CAS Number | Chemical Name   | Deminimis<br>% Limit |
|------------|---|----------------------|------------|---|----------------------|
|            | [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]   |                      | 75-56-9    | Propylene oxide   | 0.1                  |
| 95-54-5    | 1,2-Phenylenediamine  | 1.0                  | 110-86-1   | Pyridine  | 1.0                  |
| 108-45-2   | 1,3-Phenylenediamine  | 1.0                  | 91-22-5    | Quinoline   | 1.0                  |
| 106-50-3   | p-Phenylenediamine  | 1.0                  | 106-51-4   | Quinone   | 1.0                  |
| 615-28-1   | 1,2-Phenylenediamine dihydrochloride  | 1.0                  | 82-68-8    | Quintozene<br>(Pentachloronitrobenzene)   | 1.0                  |
| 624-18-0   | 1,4-Phenylenediamine dihydrochloride  | 1.0                  | 76578-14-8 | Quizalofop-ethyl<br>[2-[4-[(6-Chloro-2-quinoxalinyloxy]phenoxy] propanoic acid ethyl ester]                       | 1.0                  |
| 90-43-7    | 2-Phenylphenol  | 1.0                  | 10453-86-8 | Resmethrin<br>[[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]    | 1.0                  |
| 57-41-0    | Phenytoin   | 0.1                  | 81-07-2    | Saccharin (only persons who manufacture are subject, no supplier notification)                                    | 1.0                  |
| 75-44-5    | Phosgene  | 1.0                  | 94-59-7    | Safrole   | 0.1                  |
| 7803-51-2  | Phosphine   | 1.0                  | 7782-49-2  | Selenium  | 1.0                  |
| 7723-14-0  | Phosphorus (yellow or white)  | 1.0                  | 74051-80-2 | Sethoxydim<br>[2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxyl-2-cyclohexen-1-one]                    | 1.0                  |
| 85-44-9    | Phthalic anhydride  | 1.0                  | 7440-22-4  | Silver  | 1.0                  |
| 1918-02-1  | Picloram  | 1.0                  | 122-34-9   | Simazine  | 1.0                  |
| 88-89-1    | Picric acid   | 1.0                  | 26628-22-8 | Sodium azide  | 1.0                  |
| 51-03-6    | Piperonyl butoxide  | 1.0                  | 1982-69-0  | Sodium dicamba<br>[3,6-Dichloro-2-methoxybenzoic acid, sodium salt]   | 1.0                  |
| 29232-93-7 | Pirimiphos methyl<br>[O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethylphosphorothioate]   | 1.0                  | 128-04-1   | Sodium dimethyldithiocarbamate  | 1.0                  |
| 1336-36-3  | Polychlorinated biphenyls (PCBs)  | *                    | 62-74-8    | Sodium fluoroacetate  | 1.0                  |
| 7758-01-2  | Potassium bromate   | 0.1                  | 7632-00-0  | Sodium nitrite  | 1.0                  |
| 128-03-0   | Potassium dimethyldithiocarbamate   | 1.0                  | 131-52-2   | Sodium pentachlorophenate   | 1.0                  |
| 137-41-7   | Potassium N-methyldithiocarbamate   | 1.0                  | 132-27-4   | Sodium o-phenylphenoxide  | 0.1                  |
| 41198-08-7 | Profenofos<br>[O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]                      | 1.0                  | 100-42-5   | Styrene   | 0.1                  |
| 7287-19-6  | Prometryn<br>[N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]                    | 1.0                  | 96-09-3    | Styrene oxide   | 0.1                  |
| 23950-58-5 | Pronamide   | 1.0                  | 7664-93-9  | Sulfuric acid<br>(acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) | 1.0                  |
| 1918-16-7  | Propachlor<br>[2-Chloro-N-(1-methylethyl)-N-phenylacetamide]                                      | 1.0                  | 2699-79-8  | Sulfuryl fluoride (Vikane)  | 1.0                  |
| 1120-71-4  | Propane sultone   | 0.1                  | 35400-43-2 | Sulprofos<br>[O-Ethyl O-[4-(methylthio)phenyl]phosphorodithioic acid S-propylester]                               | 1.0                  |
| 709-98-8   | Propanil<br>[N-(3,4-Dichlorophenyl)propanamide]   | 1.0                  | 34014-18-1 | Tebuthiuron<br>[N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]                                | 1.0                  |
| 2312-35-8  | Propargite  | 1.0                  | 3383-96-8  | Temephos  | 1.0                  |
| 107-19-7   | Propargyl alcohol   | 1.0                  | 5902-51-2  | Terbacil<br>[5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]                                  | 1.0                  |
| 31218-83-4 | Propetamphos<br>[3-[(Ethylamino)methoxyphosphinothioyl]oxy]-2-butenoic acid, 1-methylethyl ester] | 1.0                  | 79-94-7    | Tetrabromobisphenol A   | *                    |
| 60207-90-1 | Propiconazole<br>[1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole] | 1.0                  | 630-20-6   | 1,1,1,2-Tetrachloroethane   | 1.0                  |
| 57-57-8    | beta-Propiolactone  | 0.1                  | 79-34-5    | 1,1,2,2-Tetrachloroethane   | 1.0                  |
| 123-38-6   | Propionaldehyde   | 1.0                  | 127-18-4   | Tetrachloroethylene<br>(Perchloroethylene)  | 0.1                  |
| 114-26-1   | Propoxur<br>[Phenol, 2-(1-methylethoxy)-, methylcarbamate]  | 1.0                  |            |   |                      |
| 115-07-1   | Propylene (Propene)   | 1.0                  |            |   |                      |
| 75-55-8    | Propyleneimine  | 0.1                  |            |   |                      |

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| CAS Number  | Chemical Name  | Deminimis<br>% Limit |
|-------------|--|----------------------|
| 354-11-0    | 1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)   | 1.0                  |
| 354-14-3    | 1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)  | 1.0                  |
| 961-11-5    | Tetrachlorvinphos [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl) ethenyl dimethyl ester]   | 1.0                  |
| 64-75-5     | Tetracycline hydrochloride   | 1.0                  |
| 7696-12-0   | Tetramethrin [2,2-Dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester] | 1.0                  |
| 7440-28-0   | Thallium   | 1.0                  |
| 148-79-8    | Thiabendazole [2-(4-Thiazoly)-1H-benzimidazole]  | 1.0                  |
| 62-55-5     | Thioacetamide  | 0.1                  |
| 28249-77-6  | Thiobencarb [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]   | 1.0                  |
| 139-65-1    | 4,4'-Thiodianiline   | 0.1                  |
| 59669-26-0  | Thiodicarb   | 1.0                  |
| 23564-06-9  | Thiophanate ethyl [[1,2-Phenylenebis(iminocarbonothioyl)] biscarbamic acid diethylester]   | 1.0                  |
| 23564-05-8  | Thiophanate methyl   | 1.0                  |
| 79-19-6     | Thiosemicarbazide  | 1.0                  |
| 62-56-6     | Thiourea   | 0.1                  |
| 137-26-8    | Thiram   | 1.0                  |
| 1314-20-1   | Thorium dioxide  | 1.0                  |
| 7550-45-0   | Titanium tetrachloride   | 1.0                  |
| 108-88-3    | Toluene  | 1.0                  |
| 584-84-9    | Toluene-2,4-diisocyanate   | 0.1                  |
| 91-08-7     | Toluene-2,6-diisocyanate   | 0.1                  |
| 26471-62-5  | Toluene diisocyanate (mixed isomers)   | 0.1                  |
| 95-53-4     | o-Toluidine  | 0.1                  |
| 636-21-5    | o-Toluidine hydrochloride  | 0.1                  |
| 8001-35-2   | Toxaphene  | *                    |
| 43121-43-3  | Triadimefon [1-(4-Chlorophenoxy)-3,3-di-methyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]   | 1.0                  |
| 2303-17-5   | Triallate  | 1.0                  |
| 68-76-8     | Triaziquone [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]  | 1.0                  |
| 101200-48-0 | Tribenuron methyl [2-[[[(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino]-carbonyl]amino]sulfonyl] benzoic acid methyl ester)               | 1.0                  |
| 1983-10-4   | Tributyltin fluoride   | 1.0                  |
| 2155-70-6   | Tributyltin methacrylate   | 1.0                  |
| 78-48-8     | S,S,S-Tributyltrithio-phosphate (DEF)  | 1.0                  |
| 52-68-6     | Trichlorfon [Phosphoric acid,(2,2,2-trichloro-1-hydroxy-ethyl)-, dimethyl ester]   | 1.0                  |
| 76-02-8     | Trichloroacetyl chloride   | 1.0                  |

| CAS Number | Chemical Name   | Deminimis<br>% Limit |
|------------|---|----------------------|
| 120-82-1   | 1,2,4-Trichlorobenzene  | 1.0                  |
| 71-55-6    | 1,1,1-Trichloroethane (Methyl chloroform)   | 1.0                  |
| 79-00-5    | 1,1,2-Trichloroethane   | 1.0                  |
| 79-01-6    | Trichloroethylene   | 0.1                  |
| 75-69-4    | Trichlorofluoromethane (CFC-11)   | 1.0                  |
| 95-95-4    | 2,4,5-Trichlorophenol   | 1.0                  |
| 88-06-2    | 2,4,6-Trichlorophenol   | 0.1                  |
| 96-18-4    | 1,2,3-Trichloropropane  | 0.1                  |
| 57213-69-1 | Triclopri triethylammonium salt   | 1.0                  |
| 121-44-8   | Triethylamine   | 1.0                  |
| 1582-09-8  | Trifluralin   | *                    |
|            | [Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-]                     |                      |
| 26644-46-2 | Triforine [N,N' -[1,4-Piperazinediylbis-(2,2,2-trichloroethylidene)]bisformamide] | 1.0                  |
| 95-63-6    | 1,2,4-Trimethylbenzene  | 1.0                  |
| 2655-15-4  | 2,3,5-Trimethylphenyl methylcarbamate   | 1.0                  |
| 639-58-7   | Triphenyltin chloride   | 1.0                  |
| 76-87-9    | Triphenyltin hydroxide  | 1.0                  |
| 126-72-7   | Tris(2,3-dibromopropyl) phosphate   | 0.1                  |
| 72-57-1    | Trypan blue   | 0.1                  |
| 51-79-6    | Urethane (Ethyl carbamate)  | 0.1                  |
| 7440-62-2  | Vanadium (except when contained in an alloy)                                      | 1.0                  |
| 50471-44-8 | Vinclozolin [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]      | 1.0                  |
| 108-05-4   | Vinyl acetate   | 0.1                  |
| 593-60-2   | Vinyl bromide   | 0.1                  |
| 75-01-4    | Vinyl chloride  | 0.1                  |
| 75-35-4    | Vinylidene chloride   | 1.0                  |
| 108-38-3   | m-Xylene  | 1.0                  |
| 95-47-6    | o-Xylene  | 1.0                  |
| 106-42-3   | p-Xylene  | 1.0                  |
| 1330-20-7  | Xylene (mixed isomers)  | 1.0                  |
| 87-62-7    | 2,6-Xylidine  | 0.1                  |
| 7440-66-6  | Zinc (fume or dust)   | 1.0                  |
| 12122-67-7 | Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]                    | 1.0                  |

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**b. Individually Listed Toxic Chemicals Arranged by CAS Number**

| CAS Number                    | Chemical Name  | <i>De minimis</i><br>% Limit |
|-------------------------------|--|------------------------------|
| <i>Arranged by CAS Number</i> |  |                              |
| 50-00-0                       | Formaldehyde   | 0.1                          |
| 51-03-6                       | Piperonyl butoxide   | 1.0                          |
| 51-21-8                       | Fluorouracil (5-Fluorouracil)  | 1.0                          |
| 51-28-5                       | 2,4-Dinitrophenol  | 1.0                          |
| 51-75-2                       | Nitrogen mustard   | 0.1                          |
|                               | [2-Chloro-N-(2-chloroethyl)-N-methylethanamine]  |                              |
| 51-79-6                       | Urethane (Ethyl carbamate)   | 0.1                          |
| 52-68-6                       | Trichlorfon  | 1.0                          |
|                               | [Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester]                           |                              |
| 52-85-7                       | Famphur  | 1.0                          |
| 53-96-3                       | 2-Acetylaminofluorene  | 0.1                          |
| 55-18-5                       | N-Nitrosodiethylamine  | 0.1                          |
| 55-21-0                       | Benzamide  | 1.0                          |
| 55-38-9                       | Fenthion   | 1.0                          |
|                               | [O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl] ester, phosphorothioic acid]                   |                              |
| 55-63-0                       | Nitroglycerin  | 1.0                          |
| 56-23-5                       | Carbon tetrachloride   | 0.1                          |
| 56-35-9                       | Bis(tributyltin) oxide   | 1.0                          |
| 56-38-2                       | Parathion  | 1.0                          |
|                               | [Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester]                                    |                              |
| 57-14-7                       | 1,1-Dimethylhydrazine  | 0.1                          |
| 57-33-0                       | Pentobarbital sodium   | 1.0                          |
| 57-41-0                       | Phenytoin  | 0.1                          |
| 57-57-8                       | beta-Propiolactone   | 0.1                          |
| 57-74-9                       | Chlordane  | *                            |
|                               | [4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]                        |                              |
| 58-89-9                       | Lindane  | 0.1                          |
|                               | [Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] |                              |
| 59-89-2                       | N-Nitrosomorpholine  | 0.1                          |
| 60-09-3                       | 4-Aminoazobenzene  | 0.1                          |
| 60-11-7                       | 4-Dimethylaminoazobenzene  | 0.1                          |
| 60-34-4                       | Methyl hydrazine   | 1.0                          |
| 60-35-5                       | Acetamide  | 0.1                          |
| 60-51-5                       | Dimethoate   | 1.0                          |
| 61-82-5                       | Amitrole   | 0.1                          |
| 62-53-3                       | Aniline  | 1.0                          |
| 62-55-5                       | Thioacetamide  | 0.1                          |
| 62-56-6                       | Thiourea   | 0.1                          |
| 62-73-7                       | Dichlorvos   | 0.1                          |
|                               | [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]  |                              |
| 62-74-8                       | Sodium fluoroacetate   | 1.0                          |
| 62-75-9                       | N-Nitrosodimethylamine   | 0.1                          |
| 63-25-2                       | Carbaryl   | 1.0                          |

| CAS Number                    | Chemical Name   | <i>De minimis</i><br>% Limit |
|-------------------------------|---|------------------------------|
| <i>Arranged by CAS Number</i> |   |                              |
|                               | [1-Naphthalenol, methylcarbamate]   |                              |
| 64-18-6                       | Formic acid   | 1.0                          |
| 64-67-5                       | Diethyl sulfate   | 0.1                          |
| 64-75-5                       | Tetracycline hydrochloride  | 1.0                          |
| 67-56-1                       | Methanol  | 1.0                          |
| 67-63-0                       | Isopropyl alcohol   | 1.0                          |
|                               | (only persons who manufacture by the strong acid process are subject, no supplier notification) |                              |
| 67-66-3                       | Chloroform  | 0.1                          |
| 67-72-1                       | Hexachloroethane  | 0.1                          |
| 68-12-2                       | N,N-Dimethylformamide   | 1.0                          |
| 68-76-8                       | Triaziquone   | 1.0                          |
|                               | [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]                                       |                              |
| 70-30-4                       | Hexachlorophene   | 1.0                          |
| 71-36-3                       | n-Butyl alcohol   | 1.0                          |
| 71-43-2                       | Benzene   | 0.1                          |
| 71-55-6                       | 1,1,1-Trichloroethane (Methyl chloroform)   | 1.0                          |
| 72-43-5                       | Methoxychlor  | *                            |
|                               | [Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]]                                      |                              |
| 72-57-1                       | Trypan blue   | 0.1                          |
| 74-83-9                       | Bromomethane (Methyl bromide)   | 1.0                          |
| 74-85-1                       | Ethylene  | 1.0                          |
| 74-87-3                       | Chloromethane (Methyl chloride)   | 1.0                          |
| 74-88-4                       | Methyl iodide   | 1.0                          |
| 74-90-8                       | Hydrogen cyanide  | 1.0                          |
| 74-95-3                       | Methylene bromide   | 1.0                          |
| 75-00-3                       | Chloroethane (Ethyl chloride)   | 1.0                          |
| 75-01-4                       | Vinyl chloride  | 0.1                          |
| 75-05-8                       | Acetonitrile  | 1.0                          |
| 75-07-0                       | Acetaldehyde  | 0.1                          |
| 75-09-2                       | Dichloromethane (Methylene chloride)  | 0.1                          |
| 75-15-0                       | Carbon disulfide  | 1.0                          |
| 75-21-8                       | Ethylene oxide  | 0.1                          |
| 75-25-2                       | Bromoform (Tribromomethane)   | 1.0                          |
| 75-27-4                       | Dichlorobromomethane  | 0.1                          |
| 75-34-3                       | Ethylidene dichloride   | 1.0                          |
| 75-35-4                       | Vinylidene chloride   | 1.0                          |
| 75-43-4                       | Dichlorofluoromethane (HCFC-21)   | 1.0                          |
| 75-44-5                       | Phosgene  | 1.0                          |
| 75-45-6                       | Chlorodifluoromethane (HCFC-22)   | 1.0                          |
| 75-55-8                       | Propyleneimine  | 0.1                          |
| 75-56-9                       | Propylene oxide   | 0.1                          |
| 75-63-8                       | Bromotrifluoromethane (Halon 1301)  | 1.0                          |
| 75-65-0                       | tert-Butyl alcohol  | 1.0                          |
| 75-68-3                       | 1-Chloro-1,1-difluoroethane (HCFC-142b)   | 1.0                          |
| 75-69-4                       | Trichlorofluoromethane (CFC-11)   | 1.0                          |
| 75-71-8                       | Dichlorodifluoromethane (CFC-12)  | 1.0                          |

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| <b>CAS Number</b>             | <b>Chemical Name</b>   | <b><i>De minimis</i><br/>% Limit</b> | <b>CAS Number</b>             | <b>Chemical Name</b>  | <b><i>De minimis</i><br/>% Limit</b> |
|-------------------------------|--|--------------------------------------|-------------------------------|---|--------------------------------------|
| <i>Arranged by CAS Number</i> |  |                                      | <i>Arranged by CAS Number</i> |   |                                      |
| 75-72-9                       | Chlorotrifluoromethane (CFC-13)  | 1.0                                  | 88-85-7                       | Dinitrobutyl phenol (Dinoseb)                                   | 1.0                                  |
| 75-86-5                       | 2-Methylacetonitrile   | 1.0                                  | 88-89-1                       | Picric acid   | 1.0                                  |
| 75-88-7                       | 2-Chloro-1,1,1-trifluoroethane<br>(HCFC-133a)  | 1.0                                  | 90-04-0                       | o-Anisidine   | 0.1                                  |
| 76-01-7                       | Pentachloroethane  | 1.0                                  | 90-43-7                       | 2-Phenylphenol  | 1.0                                  |
| 76-02-8                       | Trichloroacetyl chloride   | 1.0                                  | 90-94-8                       | Michler's ketone  | 0.1                                  |
| 76-06-2                       | Chloropicrin   | 1.0                                  | 91-08-7                       | Toluene-2,6-diisocyanate  | 0.1                                  |
| 76-13-1                       | Freon 113  | 1.0                                  | 91-20-3                       | Naphthalene   | 0.1                                  |
| 76-14-2                       | [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]<br>Dichlorotetrafluoroethane<br>(CFC-114)    | 1.0                                  | 91-22-5                       | Quinoline   | 1.0                                  |
| 76-15-3                       | Monochloropentafluoroethane<br>(CFC-115)   | 1.0                                  | 91-59-8                       | beta-Naphthylamine  | 0.1                                  |
| 76-44-8                       | Heptachlor<br>[1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-<br>tetrahydro-4,7-methano-1H-indene] | *                                    | 91-94-1                       | 3,3'-Dichlorobenzidine  | 0.1                                  |
| 76-87-9                       | Triphenyltin hydroxide   | 1.0                                  | 92-52-4                       | Biphenyl  | 1.0                                  |
| 77-47-4                       | Hexachlorocyclopentadiene  | 1.0                                  | 92-67-1                       | 4-Aminobiphenyl   | 0.1                                  |
| 77-73-6                       | Dicyclopentadiene  | 1.0                                  | 92-87-5                       | Benzidine   | 0.1                                  |
| 77-78-1                       | Dimethyl sulfate   | 0.1                                  | 92-93-3                       | 4-Nitrobiphenyl   | 0.1                                  |
| 78-48-8                       | S,S,S-Tributyltrithiophosphate<br>(DEF)  | 1.0                                  | 93-65-2                       | Mecoprop  | 0.1                                  |
| 78-84-2                       | Isobutyraldehyde   | 1.0                                  | 94-11-1                       | 2,4-D isopropyl ester   | 0.1                                  |
| 78-87-5                       | 1,2-Dichloropropane  | 1.0                                  | 94-36-0                       | Benzoyl peroxide  | 1.0                                  |
| 78-88-6                       | 2,3-Dichloropropene  | 1.0                                  | 94-58-6                       | Dihydrosafrole  | 0.1                                  |
| 78-92-2                       | sec-Butyl alcohol  | 1.0                                  | 94-59-7                       | Safrole   | 0.1                                  |
| 79-00-5                       | 1,1,2-Trichloroethane  | 1.0                                  | 94-74-6                       | Methoxone<br>((4-Chloro-2-methylphenoxy) acetic acid)<br>(MCPA) | 0.1                                  |
| 79-01-6                       | Trichloroethylene  | 0.1                                  | 94-75-7                       | 2,4-D [Acetic acid, (2,4-<br>dichlorophenoxy)-]                 | 0.1                                  |
| 79-06-1                       | Acrylamide   | 0.1                                  | 94-80-4                       | 2,4-D butyl ester   | 0.1                                  |
| 79-10-7                       | Acrylic acid   | 1.0                                  | 94-82-6                       | 2,4-DB  | 1.0                                  |
| 79-11-8                       | Chloroacetic acid  | 1.0                                  | 95-47-6                       | o-Xylene  | 1.0                                  |
| 79-19-6                       | Thiosemicarbazide  | 1.0                                  | 95-48-7                       | o-Cresol  | 1.0                                  |
| 79-21-0                       | Peracetic acid   | 1.0                                  | 95-50-1                       | 1,2-Dichlorobenzene   | 1.0                                  |
| 79-22-1                       | Methyl chlorocarbonate   | 1.0                                  | 95-53-4                       | o-Toluidine   | 0.1                                  |
| 79-34-5                       | 1,1,2,2-Tetrachloroethane  | 1.0                                  | 95-54-5                       | 1,2-Phenylenediamine  | 1.0                                  |
| 79-44-7                       | Dimethylcarbonyl chloride  | 0.1                                  | 95-63-6                       | 1,2,4-Trimethylbenzene  | 1.0                                  |
| 79-46-9                       | 2-Nitropropane   | 0.1                                  | 95-69-2                       | p-Chloro-o-toluidine  | 0.1                                  |
| 79-94-7                       | Tetrabromobisphenol A  | *                                    | 95-80-7                       | 2,4-Diaminotoluene  | 0.1                                  |
| 80-05-7                       | 4,4'-Isopropylidenediphenol  | 1.0                                  | 95-95-4                       | 2,4,5-Trichlorophenol   | 1.0                                  |
| 80-15-9                       | Cumene hydroperoxide   | 1.0                                  | 96-09-3                       | Styrene oxide   | 0.1                                  |
| 80-62-6                       | Methyl methacrylate  | 1.0                                  | 96-12-8                       | 1,2-Dibromo-3-chloropropane<br>(DBCP)                           | 0.1                                  |
| 81-07-2                       | Saccharin (only persons who<br>manufacture are subject, no supplier<br>notification)     | 1.0                                  | 96-18-4                       | 1,2,3-Trichloropropane  | 0.1                                  |
| 81-88-9                       | C.I. Food Red 15   | 1.0                                  | 96-33-3                       | Methyl acrylate   | 1.0                                  |
| 82-28-0                       | 1-Amino-2-methylantraquinone   | 0.1                                  | 96-45-7                       | Ethylene thiourea   | 0.1                                  |
| 82-68-8                       | Quintozene<br>[Pentachloronitrobenzene]  | 1.0                                  | 97-23-4                       | Dichlorophene<br>[2,2'-Methylenebis(4-chlorophenol)]            | 1.0                                  |
| 84-74-2                       | Dibutyl phthalate  | 1.0                                  | 97-56-3                       | C.I. Solvent Yellow 3   | 0.1                                  |
| 85-01-8                       | Phenanthrene   | 1.0                                  | 98-07-7                       | Benzoic trichloride<br>(Benzotrichloride)                       | 0.1                                  |
| 85-44-9                       | Phthalic anhydride   | 1.0                                  | 98-82-8                       | Cumene  | 1.0                                  |
| 86-30-6                       | N-Nitrosodiphenylamine   | 1.0                                  | 98-86-2                       | Acetophenone  | 1.0                                  |
| 87-62-7                       | 2,6-Xylidine   | 0.1                                  | 98-87-3                       | Benzal chloride   | 1.0                                  |
| 87-68-3                       | Hexachloro-1,3-butadiene   | 1.0                                  | 98-88-4                       | Benzoyl chloride  | 1.0                                  |
| 87-86-5                       | Pentachlorophenol (PCP)  | 0.1                                  | 98-95-3                       | Nitrobenzene  | 0.1                                  |
| 88-06-2                       | 2,4,6-Trichlorophenol  | 0.1                                  | 99-30-9                       | Dichloran [2,6-Dichloro-4-<br>nitroaniline]                     | 1.0                                  |
| 88-75-5                       | 2-Nitrophenol  | 1.0                                  | 99-55-8                       | 5-Nitro-o-toluidine   | 1.0                                  |
|                               |  |                                      | 99-59-2                       | 5-Nitro-o-anisidine   | 1.0                                  |
|                               |  |                                      | 99-65-0                       | m-Dinitrobenzene  | 1.0                                  |
|                               |  |                                      | 100-01-6                      | p-Nitroaniline  | 1.0                                  |

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| <b>CAS Number</b>             | <b>Chemical Name</b>  | <b><i>De minimis</i><br/>% Limit</b> | <b>CAS Number</b>             | <b>Chemical Name</b>  | <b><i>De minimis</i><br/>% Limit</b> |
|-------------------------------|---|--------------------------------------|-------------------------------|---|--------------------------------------|
| <i>Arranged by CAS Number</i> |   |                                      | <i>Arranged by CAS Number</i> |   |                                      |
| 100-02-7                      | 4-Nitrophenol   | 1.0                                  | 110-82-7                      | Cyclohexane   | 1.0                                  |
| 100-25-4                      | p-Dinitrobenzene  | 1.0                                  | 110-86-1                      | Pyridine  | 1.0                                  |
| 100-41-4                      | Ethylbenzene  | 0.1                                  | 111-42-2                      | Diethanolamine  | 1.0                                  |
| 100-42-5                      | Styrene   | 0.1                                  | 111-44-4                      | Bis(2-chloroethyl) ether  | 1.0                                  |
| 100-44-7                      | Benzyl chloride   | 1.0                                  | 111-91-1                      | Bis(2-chloroethoxy) methane   | 1.0                                  |
| 100-75-4                      | N-Nitrosopiperidine   | 0.1                                  | 114-26-1                      | Propoxur  | 1.0                                  |
| 101-05-3                      | Anilazine   | 1.0                                  |                               | [Phenol, 2-(1-methylethoxy)-,<br>methylcarbamate]                                   |                                      |
|                               | [4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-<br>triazin-2-amine] |                                      | 115-07-1                      | Propylene (Propene)   | 1.0                                  |
| 101-14-4                      | 4,4'-Methylenebis(2-chloroaniline)                          | 0.1                                  | 115-28-6                      | Chlorendic acid   | 0.1                                  |
|                               | (MBOCA)   |                                      | 115-32-2                      | Dicofol   | 1.0                                  |
| 101-61-1                      | 4,4'-Methylenebis(N,N-<br>dimethyl)benzenamine              | 0.1                                  |                               | [Benzenemethanol, 4-chloro-.alpha.-4-<br>(chlorophenyl)-.alpha.-(trichloromethyl)-] |                                      |
| 101-77-9                      | 4,4'-Methylenedianiline                                     | 0.1                                  | 116-06-3                      | Aldicarb  | 1.0                                  |
| 101-80-4                      | 4,4'-Diaminodiphenyl ether                                  | 0.1                                  | 117-79-3                      | 2-Aminoanthraquinone  | 0.1                                  |
| 101-90-6                      | Diglycidyl resorcinol ether                                 | 0.1                                  | 117-81-7                      | Di(2-ethylhexyl) phthalate  | 0.1                                  |
| 104-12-1                      | p-Chlorophenyl isocyanate                                   | 1.0                                  | 118-74-1                      | Hexachlorobenzene   | *                                    |
| 104-94-9                      | p-Anisidine   | 1.0                                  | 119-90-4                      | 3,3'-Dimethoxybenzidine   | 0.1                                  |
| 105-67-9                      | 2,4-Dimethylphenol  | 1.0                                  | 119-93-7                      | 3,3'-Dimethylbenzidine  | 0.1                                  |
| 106-42-3                      | p-Xylene  | 1.0                                  |                               | (o-Tolidine)  |                                      |
| 106-44-5                      | p-Cresol  | 1.0                                  | 120-12-7                      | Anthracene  | 1.0                                  |
| 106-46-7                      | 1,4-Dichlorobenzene   | 0.1                                  | 120-36-5                      | 2,4-DP  | 0.1                                  |
| 106-47-8                      | p-Chloroaniline   | 0.1                                  | 120-58-1                      | Isosafrole  | 1.0                                  |
| 106-50-3                      | p-Phenylenediamine  | 1.0                                  | 120-71-8                      | p-Cresidine   | 0.1                                  |
| 106-51-4                      | Quinone   | 1.0                                  | 120-80-9                      | Catechol  | 0.1                                  |
| 106-88-7                      | 1,2-Butylene oxide  | 0.1                                  | 120-82-1                      | 1,2,4-Trichlorobenzene  | 1.0                                  |
| 106-89-8                      | Epichlorohydrin   | 0.1                                  | 120-83-2                      | 2,4-Dichlorophenol  | 1.0                                  |
| 106-93-4                      | 1,2-Dibromoethane   | 0.1                                  | 121-14-2                      | 2,4-Dinitrotoluene  | 0.1                                  |
|                               | (Ethylene dibromide)  |                                      | 121-44-8                      | Triethylamine   | 1.0                                  |
| 106-99-0                      | 1,3-Butadiene   | 0.1                                  | 121-69-7                      | N,N-Dimethylaniline   | 1.0                                  |
| 107-02-8                      | Acrolein  | 1.0                                  | 121-75-5                      | Malathion   | 1.0                                  |
| 107-05-1                      | Allyl chloride  | 1.0                                  | 122-34-9                      | Simazine  | 1.0                                  |
| 107-06-2                      | 1,2-Dichloroethane (Ethylene<br>dichloride)                 | 0.1                                  | 122-39-4                      | Diphenylamine   | 1.0                                  |
|                               |   |                                      | 122-66-7                      | 1,2-Diphenylhydrazine   | 0.1                                  |
| 107-11-9                      | Allylamine  | 1.0                                  |                               | (Hydrazobenzene)  |                                      |
| 107-13-1                      | Acrylonitrile   | 0.1                                  | 123-31-9                      | Hydroquinone  | 1.0                                  |
| 107-18-6                      | Allyl alcohol   | 1.0                                  | 123-38-6                      | Propionaldehyde   | 1.0                                  |
| 107-19-7                      | Propargyl alcohol   | 1.0                                  | 123-63-7                      | Paraldehyde   | 1.0                                  |
| 107-21-1                      | Ethylene glycol   | 1.0                                  | 123-72-8                      | Butyraldehyde   | 1.0                                  |
| 107-30-2                      | Chloromethyl methyl ether                                   | 0.1                                  | 123-91-1                      | 1,4-Dioxane   | 0.1                                  |
| 108-05-4                      | Vinyl acetate   | 0.1                                  | 124-40-3                      | Dimethylamine   | 1.0                                  |
| 108-10-1                      | Methyl isobutyl ketone                                      | 1.0                                  | 124-73-2                      | Dibromotetrafluoroethane  | 1.0                                  |
| 108-31-6                      | Maleic anhydride  | 1.0                                  |                               | (Halon 2402)  |                                      |
| 108-38-3                      | m-Xylene  | 1.0                                  | 126-72-7                      | Tris(2,3-dibromopropyl)<br>phosphate  | 0.1                                  |
| 108-39-4                      | m-Cresol  | 1.0                                  |                               |   |                                      |
| 108-45-2                      | 1,3-Phenylenediamine  | 1.0                                  | 126-98-7                      | Methacrylonitrile   | 1.0                                  |
| 108-60-1                      | Bis(2-chloro-1-methylethyl) ether                           | 1.0                                  | 126-99-8                      | Chloroprene   | 0.1                                  |
| 108-88-3                      | Toluene   | 1.0                                  | 127-18-4                      | Tetrachloroethylene   | 0.1                                  |
| 108-90-7                      | Chlorobenzene   | 1.0                                  |                               | (Perchloroethylene)   |                                      |
| 108-93-0                      | Cyclohexanol  | 1.0                                  | 128-03-0                      | Potassium<br>dimethyldithiocarbamate  | 1.0                                  |
| 108-95-2                      | Phenol  | 1.0                                  |                               |   |                                      |
| 109-06-8                      | 2-Methylpyridine  | 1.0                                  | 128-04-1                      | Sodium dimethyldithiocarbamate  | 1.0                                  |
| 109-77-3                      | Malononitrile   | 1.0                                  | 128-66-5                      | C.I. Vat Yellow 4   | 1.0                                  |
| 109-86-4                      | 2-Methoxyethanol  | 1.0                                  | 131-11-3                      | Dimethyl phthalate  | 1.0                                  |
| 110-54-3                      | n-Hexane  | 1.0                                  | 131-52-2                      | Sodium pentachlorophenate   | 1.0                                  |
| 110-57-6                      | trans-1,4-Dichloro-2-butene                                 | 1.0                                  | 132-27-4                      | Sodium o-phenylphenoxide  | 0.1                                  |
| 110-80-5                      | 2-Ethoxyethanol   | 1.0                                  | 132-64-9                      | Dibenzofuran  | 1.0                                  |

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|-------------------------------|---|--------------------------------------|-------------------------------|--|--------------------------------------|
| <i>Arranged by CAS Number</i> |   |                                      | <i>Arranged by CAS Number</i> |  |                                      |
| 133-06-2                      | Captan<br>[1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-]   | 1.0                                  | 354-11-0                      | 1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)   | 1.0                                  |
| 133-07-3                      | Folpet  | 1.0                                  | 354-14-3                      | 1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)  | 1.0                                  |
| 133-90-4                      | Chloramben<br>[Benzoic acid, 3-amino-2,5-dichloro-]   | 1.0                                  | 354-23-4                      | 1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)   | 1.0                                  |
| 134-29-2                      | o-Anisidine hydrochloride   | 0.1                                  | 354-25-6                      | 1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)   | 1.0                                  |
| 134-32-7                      | alpha-Naphthylamine   | 0.1                                  | 357-57-3                      | Brucine  | 1.0                                  |
| 135-20-6                      | Cupferron<br>[Benzeneamine, N-hydroxy-N-nitroso, ammonium salt]   | 0.1                                  | 422-44-6                      | 1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)   | 1.0                                  |
| 136-45-8                      | Dipropyl isocinchomeronate  | 1.0                                  | 422-48-0                      | 2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)   | 1.0                                  |
| 137-26-8                      | Thiram  | 1.0                                  | 422-56-0                      | 3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)   | 1.0                                  |
| 137-41-7                      | Potassium N-methyldithiocarbamate   | 1.0                                  | 431-86-7                      | 1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)   | 1.0                                  |
| 137-42-8                      | Metham sodium (Sodium methyldithiocarbamate)  | 1.0                                  | 460-35-5                      | 3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)   | 1.0                                  |
| 138-93-2                      | Disodium cyanodithioimido-carbonate   | 1.0                                  | 463-58-1                      | Carbonyl sulfide   | 1.0                                  |
| 139-13-9                      | Nitrilotriacetic acid   | 0.1                                  | 465-73-6                      | Isodrin  | *                                    |
| 139-65-1                      | 4,4'-Thiodianiline  | 0.1                                  | 492-80-8                      | C.I. Solvent Yellow 34 (Auramine)  | 0.1                                  |
| 140-88-5                      | Ethyl acrylate  | 0.1                                  | 505-60-2                      | Mustard gas<br>[Ethane, 1,1'-thiobis[2-chloro-]]   | 0.1                                  |
| 141-32-2                      | Butyl acrylate  | 1.0                                  | 507-55-1                      | 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)   | 1.0                                  |
| 142-59-6                      | Nabam   | 1.0                                  | 510-15-6                      | Chlorobenzilate<br>[Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester] | 1.0                                  |
| 148-79-8                      | Thiabendazole<br>[2-(4-Thiazolyl)-1H-benzimidazole]   | 1.0                                  | 528-29-0                      | o-Dinitrobenzene   | 1.0                                  |
| 149-30-4                      | 2-Mercaptobenzothiazole (MBT)   | 1.0                                  | 532-27-4                      | 2-Chloroacetophenone   | 1.0                                  |
| 150-50-5                      | Merphos   | 1.0                                  | 533-74-4                      | Dazomet<br>(Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)                                       | 1.0                                  |
| 150-68-5                      | Monuron   | 1.0                                  | 534-52-1                      | 4,6-Dinitro-o-cresol   | 1.0                                  |
| 151-56-4                      | Ethyleneimine (Aziridine)   | 0.1                                  | 540-59-0                      | 1,2-Dichloroethylene   | 1.0                                  |
| 156-10-5                      | p-Nitrosodiphenylamine  | 1.0                                  | 541-41-3                      | Ethyl chloroformate  | 1.0                                  |
| 156-62-7                      | Calcium cyanamide   | 1.0                                  | 541-53-7                      | 2,4-Dithiobiuret   | 1.0                                  |
| 191-24-2                      | Benzo(g,h,i)perylene  | *                                    | 541-73-1                      | 1,3-Dichlorobenzene  | 1.0                                  |
| 298-00-0                      | Methyl parathion  | 1.0                                  | 542-75-6                      | 1,3-Dichloropropylene  | 0.1                                  |
| 300-76-5                      | Naled   | 1.0                                  | 542-76-7                      | 3-Chloropropionitrile  | 1.0                                  |
| 301-12-2                      | Oxydemeton methyl<br>[S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid]   | 1.0                                  | 542-88-1                      | Bis(chloromethyl) ether  | 0.1                                  |
| 302-01-2                      | Hydrazine   | 0.1                                  | 554-13-2                      | Lithium carbonate  | 1.0                                  |
| 306-83-2                      | 2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)   | 1.0                                  | 556-61-6                      | Methyl isothiocyanate<br>[Isothiocyanatomethane]   | 1.0                                  |
| 309-00-2                      | Aldrin<br>[1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta.,5.alpha.,8.alpha.,8a.beta.)-] | *                                    | 563-47-3                      | 3-Chloro-2-methyl-1-propene  | 0.1                                  |
| 314-40-9                      | Bromacil<br>(5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)  | 1.0                                  | 569-64-2                      | C.I. Basic Green 4   | 1.0                                  |
| 319-84-6                      | alpha-Hexachlorocyclohexane   | 0.1                                  | 584-84-9                      | Toluene-2,4-diisocyanate   | 0.1                                  |
| 330-54-1                      | Diuron  | 1.0                                  | 593-60-2                      | Vinyl bromide  | 0.1                                  |
| 330-55-2                      | Linuron   | 1.0                                  | 594-42-3                      | Perchloromethyl mercaptan  | 1.0                                  |
| 333-41-5                      | Diazinon  | 1.0                                  | 606-20-2                      | 2,6-Dinitrotoluene   | 0.1                                  |
| 334-88-3                      | Diazomethane  | 1.0                                  | 608-93-5                      | Pentachlorobenzene   | *                                    |
| 353-59-3                      | Bromochlorodifluoromethane (Halon 1211)   | 1.0                                  | 612-82-8                      | 3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)                                      | 0.1                                  |

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|-------------------------------|--|--------------------------------------|-------------------------------|--|--------------------------------------|
| <i>Arranged by CAS Number</i> |  |                                      | <i>Arranged by CAS Number</i> |  |                                      |
| 612-83-9                      | 3,3'-Dichlorobenzidine dihydrochloride                                     | 0.1                                  | 1689-84-5                     | (HCFC-132b) Bromoxynil   | 1.0                                  |
| 615-05-4                      | 2,4-Diaminoanisole   | 0.1                                  | 1689-99-2                     | (3,5-Dibromo-4-hydroxybenzoxynil) Bromoxynil octanoate                     | 1.0                                  |
| 615-28-1                      | 1,2-Phenylenediamine dihydrochloride                                       | 1.0                                  |                               | (Octanoic acid, 2,6-dibromo-4-cyanophenyl ester)                           |                                      |
| 621-64-7                      | N-Nitrosodi-n-propylamine  | 0.1                                  | 1717-00-6                     | 1,1-Dichloro-1-fluoroethane (HCFC-141b)                                    | 1.0                                  |
| 624-18-0                      | 1,4-Phenylenediamine dihydrochloride                                       | 1.0                                  | 1836-75-5                     | Nitrofen   | 0.1                                  |
| 624-83-9                      | Methyl isocyanate  | 1.0                                  |                               | [Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]                                |                                      |
| 630-20-6                      | 1,1,1,2-Tetrachloroethane  | 1.0                                  | 1861-40-1                     | Benfluralin  | 1.0                                  |
| 636-21-5                      | o-Toluidine hydrochloride  | 0.1                                  |                               | (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)               |                                      |
| 639-58-7                      | Triphenyltin chloride  | 1.0                                  | 1897-45-6                     | Chlorothalonil   | 0.1                                  |
| 680-31-9                      | Hexamethylphosphoramide  | 0.1                                  |                               | [1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-]                          |                                      |
| 684-93-5                      | N-Nitroso-N-methylurea   | 0.1                                  | 1910-42-5                     | Paraquat dichloride  | 1.0                                  |
| 709-98-8                      | Propanil (N-(3,4-Dichlorophenyl) propanamide)                              | 1.0                                  | 1912-24-9                     | Atrazine   | 1.0                                  |
| 759-73-9                      | N-Nitroso-N-ethylurea  | 0.1                                  |                               | (6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)           |                                      |
| 759-94-4                      | Ethyl dipropylthiocarbamate (EPTC)   | 1.0                                  | 1918-00-9                     | Dicamba  | 1.0                                  |
| 764-41-0                      | 1,4-Dichloro-2-butene  | 1.0                                  |                               | (3,6-Dichloro-2-methoxybenzoic acid)                                       |                                      |
| 812-04-4                      | 1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)                             | 1.0                                  | 1918-02-1                     | Picloram   | 1.0                                  |
| 834-12-8                      | Ametryn  | 1.0                                  | 1918-16-7                     | Propachlor   | 1.0                                  |
|                               | (N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)     |                                      |                               | [2-Chloro-N-(1-methylethyl)-N-phenylacetamide]                             |                                      |
| 842-07-9                      | C.I. Solvent Yellow 14   | 1.0                                  | 1928-43-4                     | 2,4-D 2-ethylhexyl ester   | 0.1                                  |
| 872-50-4                      | N-Methyl-2-pyrrolidone   | 1.0                                  | 1929-73-3                     | 2,4-D butoxyethyl ester  | 0.1                                  |
| 924-16-3                      | N-Nitrosodi-n-butylamine   | 0.1                                  | 1929-82-4                     | Nitrapyrin   | 1.0                                  |
| 924-42-5                      | N-Methylolacrylamide   | 1.0                                  |                               | (2-Chloro-6-(trichloromethyl)pyridine)                                     |                                      |
| 957-51-7                      | Diphenamid   | 1.0                                  | 1937-37-7                     | C.I. Direct Black 38   | 0.1                                  |
| 961-11-5                      | Tetrachlorvinphos  | 1.0                                  | 1982-69-0                     | Sodium dicamba   | 1.0                                  |
|                               | [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyldimethyl ester] |                                      |                               | [3,6-Dichloro-2-methoxybenzoic acid, sodium salt]                          |                                      |
| 989-38-8                      | C.I. Basic Red 1   | 1.0                                  | 1983-10-4                     | Tributyltin fluoride   | 1.0                                  |
| 1114-71-2                     | Pebulate   | 1.0                                  | 2032-65-7                     | Methiocarb   | 1.0                                  |
|                               | [Butylethylcarbamothioic acid S-propyl ester]                              |                                      | 2155-70-6                     | Tributyltin methacrylate   | 1.0                                  |
| 1120-71-4                     | Propane sultone  | 0.1                                  | 2164-07-0                     | Dipotassium endothall  | 1.0                                  |
| 1134-23-2                     | Cycloate   | 1.0                                  |                               | [7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]       |                                      |
| 1163-19-5                     | Decabromodiphenyl oxide  | 1.0                                  | 2164-17-2                     | Fluometuron  | 1.0                                  |
| 1313-27-5                     | Molybdenum trioxide  | 1.0                                  |                               | [Urea, N,N-dimethyl-N'-(3-(trifluoromethyl)phenyl)-]                       |                                      |
| 1314-20-1                     | Thorium dioxide  | 1.0                                  | 2212-67-1                     | Molinate   | 1.0                                  |
| 1319-77-3                     | Cresol (mixed isomers)   | 1.0                                  |                               | (1H-Azepine-1-carbothioic acid, hexahydro-S-ethyl ester)                   |                                      |
| 1320-18-9                     | 2,4-D propylene glycol butyl ether ester                                   | 0.1                                  | 2234-13-1                     | Octachloronaphthalene  | 1.0                                  |
| 1330-20-7                     | Xylene (mixed isomers)   | 1.0                                  | 2300-66-5                     | Dimethylamine dicamba  | 1.0                                  |
| 1332-21-4                     | Asbestos (friable)   | 0.1                                  |                               |  |                                      |
| 1335-87-1                     | Hexachloronaphthalene  | 1.0                                  | 2303-16-4                     | Diallate   | 1.0                                  |
| 1336-36-3                     | Polychlorinated biphenyls (PCBs)   | *                                    |                               | [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester] |                                      |
| 1344-28-1                     | Aluminum oxide (fibrous forms)   | 1.0                                  | 2303-17-5                     | Triallate  | 1.0                                  |
| 1464-53-5                     | Diepoxybutane  | 0.1                                  | 2312-35-8                     | Propargite   | 1.0                                  |
| 1563-66-2                     | Carbofuran   | 1.0                                  | 2439-01-2                     | Chinomethionat   | 1.0                                  |
| 1582-09-8                     | Trifluralin  | *                                    |                               | [6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-                                 |                                      |
|                               | [Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-]              |                                      |                               |  |                                      |
| 1634-04-4                     | Methyl tert-butyl ether  | 1.0                                  |                               |  |                                      |
| 1649-08-7                     | 1,2-Dichloro-1,1-difluoroethane  | 1.0                                  |                               |  |                                      |

**Table II. EPCRA Section 313 Chemical List – RY2010**

| <i>De minimis</i>             |  | <i>De minimis</i>             |  |
|-------------------------------|--|-------------------------------|--|
| CAS Number                    | Chemical Name  | CAS Number                    | Chemical Name  |
| % Limit                       |  | % Limit                       |  |
| <i>Arranged by CAS Number</i> |  | <i>Arranged by CAS Number</i> |  |
|                               | one]   | 7440-66-6                     | Zinc (fume or dust)  |
| 2439-10-3                     | Dodine   | 7550-45-0                     | Titanium tetrachloride   |
|                               | [Dodecylguanidine monoacetate]   | 7632-00-0                     | Sodium nitrite   |
| 2524-03-0                     | Dimethyl chlorothiophosphate   | 7637-07-2                     | Boron trifluoride  |
| 2602-46-2                     | C.I. Direct Blue 6   | 7647-01-0                     | Hydrochloric acid  |
| 2655-15-4                     | 2,3,5-Trimethylphenyl methyl carbamate   |                               | (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   |
| 2699-79-8                     | Sulfuryl fluoride (Vikane)   | 7664-39-3                     | Hydrogen fluoride  |
| 2702-72-9                     | 2,4-D sodium salt  | 7664-41-7                     | Ammonia  |
| 2832-40-8                     | C.I. Disperse Yellow 3   |                               | (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) |
| 2837-89-0                     | 2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)  | 7664-93-9                     | Sulfuric acid  |
| 2971-38-2                     | 2,4-D Chlorocrotyl ester   |                               | (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   |
| 3118-97-6                     | C.I. Solvent Orange 7  | 7696-12-0                     | Tetramethrin   |
| 3383-96-8                     | Temephos   |                               | [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]   |
| 3653-48-3                     | Methoxone sodium salt ((4-Chloro-2-methylphenoxy) acetate sodium salt)                                 | 7697-37-2                     | Nitric acid  |
| 3761-53-3                     | C.I. Food Red 5  | 7723-14-0                     | Phosphorus (yellow or white)   |
| 4080-31-3                     | 1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride   | 7726-95-6                     | Bromine  |
| 4170-30-3                     | Crotonaldehyde   | 7758-01-2                     | Potassium bromate  |
| 4549-40-0                     | N-Nitrosomethylvinylamine  | 7782-41-4                     | Fluorine   |
| 4680-78-8                     | C.I. Acid Green 3  | 7782-49-2                     | Selenium   |
| 5234-68-4                     | Carboxin   | 7782-50-5                     | Chlorine   |
|                               | (5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide)   | 7786-34-7                     | Mevinphos  |
| 5598-13-0                     | Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]                       | 7803-51-2                     | Phosphine  |
| 5902-51-2                     | Terbacil   | 8001-35-2                     | Toxaphene  |
|                               | [5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]                                   | 8001-58-9                     | Creosote   |
| 6459-94-5                     | C.I. Acid Red 114  | 9006-42-2                     | Metiram  |
| 7287-19-6                     | Prometryn  | 10028-15-6                    | Ozone  |
|                               | [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]                                      | 10034-93-2                    | Hydrazine sulfate  |
| 7429-90-5                     | Aluminum (fume or dust)  | 10049-04-4                    | Chlorine dioxide   |
| 7439-92-1                     | Lead   | 10061-02-6                    | trans-1,3-Dichloropropene  |
|                               | (when lead is contained in stainless steel, brass or bronze alloys the <i>de minimis</i> level is 0.1) | 10294-34-5                    | Boron trichloride  |
| 7439-96-5                     | Manganese  | 10453-86-8                    | Resmethrin   |
| 7439-97-6                     | Mercury  |                               | [[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]]  |
| 7440-02-0                     | Nickel   | 12122-67-7                    | Zineb  |
| 7440-22-4                     | Silver   |                               | [Carbamodithioic acid, 1,2-ethanediyldis-, zinc complex]   |
| 7440-28-0                     | Thallium   | 12427-38-2                    | Maneb  |
| 7440-36-0                     | Antimony   |                               | [Carbamodithioic acid, 1,2-ethanediyldis-, manganese complex]  |
| 7440-38-2                     | Arsenic  | 13194-48-4                    | Ethoprop   |
| 7440-39-3                     | Barium   |                               | [Phosphorodithioic acid O-ethyl S,S-dipropyl ester]  |
| 7440-41-7                     | Beryllium  | 13356-08-6                    | Fenbutatin oxide   |
| 7440-43-9                     | Cadmium  |                               | (Hexakis(2-methyl-2-phenylpropyl)distannoxane)   |
| 7440-47-3                     | Chromium   |                               |  |
| 7440-48-4                     | Cobalt   |                               |  |
| 7440-50-8                     | Copper   |                               |  |
| 7440-62-2                     | Vanadium (except when contained in an alloy)   |                               |  |



**Table II. EPCRA Section 313 Chemical List – RY2010**

| <i>De minimis</i>             |   |         | <i>De minimis</i> |  |         |
|-------------------------------|---|---------|-------------------|--|---------|
| CAS Number                    | Chemical Name   | % Limit | CAS Number        | Chemical Name  | % Limit |
| <i>Arranged by CAS Number</i> |   |         |                   |  |         |
| 13463-40-6                    | Iron pentacarbonyl  | 1.0     | 28057-48-9        | d-trans-Allethrin  | 1.0     |
| 13474-88-9                    | 1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)  | 1.0     |                   | [d-trans-Chrysanthemic acid of d-allethrine]   |         |
| 13684-56-5                    | Desmedipham   | 1.0     | 28249-77-6        | Thiobencarb  | 1.0     |
| 14484-64-1                    | Ferbam  | 1.0     |                   | [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]                               |         |
| 15972-60-8                    | Alachlor  | 1.0     | 28407-37-6        | C.I. Direct Blue 218   | 1.0     |
| 16071-86-6                    | C.I. Direct Brown 95  | 0.1     | 29082-74-4        | Octachlorostyrene  | *       |
| 16543-55-8                    | N-Nitrosornicotine  | 0.1     | 29232-93-7        | Pirimiphos methyl  | 1.0     |
| 17804-35-2                    | Benomyl   | 1.0     |                   | [O-(2-(Diethylamino)-6-methyl-4-pyrimidiny)-O,O-dimethylphosphorothioate]            |         |
| 19044-88-3                    | Oryzalin  | 1.0     | 30560-19-1        | Acephate   | 1.0     |
|                               | [4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide]   |         |                   | (Acetylphosphoramidothioic acid O,S-dimethyl ester)                                  |         |
| 19666-30-9                    | Oxydiazon   | 1.0     | 31218-83-4        | Propetamphos   | 1.0     |
|                               | [3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]     |         |                   | [3-[(Ethylamino) methoxyphosphinothioyl]oxy]-2-butenic acid, 1-methylethyl ester]    |         |
| 20325-40-0                    | 3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)                         | 0.1     | 33089-61-1        | Amitraz  | 1.0     |
| 20354-26-1                    | Methazole   | 1.0     | 34014-18-1        | Tebuthiuron  | 1.0     |
|                               | [2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]                                |         |                   | [N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]                  |         |
| 20816-12-0                    | Osmium tetroxide  | 1.0     | 34077-87-7        | Dichlorotrifluoroethane  | 1.0     |
| 20859-73-8                    | Aluminum phosphide  | 1.0     | 35367-38-5        | Diflubenzuron  | 1.0     |
| 21087-64-9                    | Metribuzin  | 1.0     | 35400-43-2        | Sulprofos  | 1.0     |
| 21725-46-2                    | Cyanazine   | 1.0     |                   | [O-Ethyl O-[4-(methylthio)phenyl]-phosphorodithioic acid S-propyl ester]             |         |
| 22781-23-3                    | Bendiocarb  | 1.0     | 35554-44-0        | Imazalil   | 1.0     |
|                               | [2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]   |         |                   | [1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole]                     |         |
| 23564-05-8                    | Thiophanate methyl  | 1.0     | 35691-65-7        | 1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile                                    | 1.0     |
| 23564-06-9                    | Thiophanate ethyl   | 1.0     |                   |  |         |
|                               | [[1,2-Phenylenebis(iminocarbonothioyl)] biscarbamic acid diethyl ester]                         |         | 38727-55-8        | Diethatyl ethyl  | 1.0     |
| 23950-58-5                    | Pronamide   | 1.0     | 39156-41-7        | 2,4-Diaminoanisole sulfate   | 0.1     |
| 25311-71-1                    | Isofenphos  | 1.0     | 39300-45-3        | Dinocap  | 1.0     |
|                               | [2-[[Ethoxyl[(1-methylethyl)-amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]        |         | 39515-41-8        | Fenpropathrin  | 1.0     |
| 25321-14-6                    | Dinitrotoluene (mixed isomers)  | 1.0     |                   | [2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester] |         |
| 25321-22-6                    | Dichlorobenzene (mixed isomers)   | 0.1     | 40487-42-1        | Pendimethalin  | *       |
| 25376-45-8                    | Diaminotoluene (mixed isomers)  | 0.1     |                   | [N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzamine]                                |         |
| 26002-80-2                    | Phenothrin  | 1.0     | 41198-08-7        | Profenofos   | 1.0     |
|                               | [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester] |         |                   | [O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]                       |         |
| 26471-62-5                    | Toluene diisocyanate (mixed isomers)  | 0.1     | 41766-75-0        | 3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidinedihydrofluoride)                   | 0.1     |
| 26628-22-8                    | Sodium azide  | 1.0     | 42874-03-3        | Oxyfluorfen  | 1.0     |
| 26644-46-2                    | Triforine   | 1.0     | 43121-43-3        | Triadimefon  | 1.0     |
|                               | [N,N'-[1,4-Piperazinediylbis(2,2,2-trichloroethylidene)]bisformamide]                           |         |                   | [1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]              |         |
| 27314-13-2                    | Norflurazon   | 1.0     | 50471-44-8        | Vinclozolin  | 1.0     |
|                               | [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]                     |         |                   | [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]                     |         |
|                               |   |         | 51235-04-2        | Hexazinone   | 1.0     |

**Table II. EPCRA Section 313 Chemical List – RY2010**

| CAS Number                    | Chemical Name   | <i>De minimis</i><br>% Limit |
|-------------------------------|---|------------------------------|
| <i>Arranged by CAS Number</i> |   |                              |
| 51338-27-3                    | Diclofop methyl<br>[2-[4-(2,4-Dichlorophenoxy)-<br>phenoxy]propanoic acid, methyl ester]  | 1.0                          |
| 51630-58-1                    | Fenvalerate<br>[4-Chloro-alpha-(1-methylethyl)-<br>benzeneacetic acid cyano(3-<br>phenoxyphenyl)methyl ester]   | 1.0                          |
| 52645-53-1                    | Permethrin<br>[3-(2,2-Dichloroethenyl)-2,2-<br>dimethylcyclopropane carboxylic acid,<br>(3-phenoxyphenyl)methyl ester]  | 1.0                          |
| 53404-19-6                    | Bromacil, lithium salt<br>[2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-<br>methyl-3-(1-methylpropyl), lithium salt]   | 1.0                          |
| 53404-37-8                    | 2,4-D 2-ethyl-4-methylpentyl<br>ester   | 0.1                          |
| 53404-60-7                    | Dazomet, sodium salt<br>[Tetrahydro-3,5-dimethyl-2H-1,3,5-<br>thiadiazine-2-thione, ion(1-), sodium]  | 1.0                          |
| 55290-64-7                    | Dimethipin<br>[2,3-Dihydro-5,6-dimethyl-1,4-dithiin<br>1,1,4,4-tetraoxide]  | 1.0                          |
| 55406-53-6                    | 3-Iodo-2-propynyl butyl<br>carbamate  | 1.0                          |
| 57213-69-1                    | Triclopyr triethylammonium salt   | 1.0                          |
| 59669-26-0                    | Thiodicarb  | 1.0                          |
| 60168-88-9                    | Fenarimol<br>[.alpha.-(2-Chlorophenyl)-.alpha.-(4-<br>chlorophenyl)-5-pyrimidinemethanol]   | 1.0                          |
| 60207-90-1                    | Propiconazole<br>[1-[2-(2,4-Dichlorophenyl)-4-propyl-<br>dioxolan-2-yl]-methyl-1H-1,2,4,-triazole]  | 1.3                          |
| 62476-59-9                    | Acifluorfen, sodium salt<br>[5-(2-Chloro-4-(trifluoromethyl)phenoxy)-<br>2-nitrobenzoic acid, sodium salt]  | 1.0                          |
| 63938-10-3                    | Chlorotetrafluoroethane   | 1.0                          |
| 64902-72-3                    | Chlorsulfuron<br>[2-Chloro-N-[[[(4-methoxy-6-methyl-1,3,5-<br>triazin-2-yl)amino] carbonyl]<br>benzenesulfonamide]  | 1.0                          |
| 64969-34-2                    | 3,3'-Dichlorobenzidine sulfate  | 0.1                          |
| 66441-23-4                    | Fenoxaprop ethyl<br>[2-(4-((6-Chloro-2-<br>benzoxazolyl)oxy)phenoxy)propanoic<br>acid, ethyl ester]   | 1.0                          |
| 67485-29-4                    | Hydramethylnon<br>[Tetrahydro-5,5-dimethyl-2(1H)-<br>pyrimidinone[3-[4-<br>(trifluoromethyl)phenyl]-1-[2-[4-<br>(trifluoromethyl)phenyl]ethenyl]-2-<br>propenylidene]hydrazone] | 1.0                          |
| 68085-85-8                    | Cyhalothrin<br>[3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-<br>2,2-dimethylcyclopropanecarboxylic acid<br>cyano(3-phenoxyphenyl) methyl ester]                                     | 1.0                          |
| 68359-37-5                    | Cyfluthrin<br>[3-(2,2-Dichloroethenyl)-2,2-   | 1.0                          |

| CAS Number                    | Chemical Name  | <i>De minimis</i><br>% Limit |
|-------------------------------|--|------------------------------|
| <i>Arranged by CAS Number</i> |  |                              |
| 69409-94-5                    | Fluvalinate<br>[N-[2-Chloro-4-<br>(trifluoromethyl)phenyl]DL-valine(+)-<br>cyano(3-phenoxyphenyl)methyl ester]                           | 1.0                          |
| 69806-50-4                    | Fluazifop butyl<br>[2-[4-[[5-(Trifluoromethyl)-2-<br>pyridinyl]oxy]phenoxy]propanoic acid,<br>butyl ester]                               | 1.0                          |
| 71751-41-2                    | Abamectin [Avermectin B1]  | 1.0                          |
| 72178-02-0                    | Fomesafen<br>[5-(2-Chloro-4-(trifluoromethyl)phenoxy)-<br>N-methylsulfonyl]-2-nitrobenzamide]  | 1.0                          |
| 72490-01-8                    | Fenoxycarb<br>[[2-(4-Phenoxy phenoxy)ethyl]carbamic<br>acid ethyl ester]   | 1.0                          |
| 74051-80-2                    | Sethoxydim<br>[2-[1-(Ethoxyimino)butyl]-5-[2-<br>(ethylthio)propyl]-3-hydroxy1-2-<br>cyclohexen-1-one]                                   | 1.0                          |
| 76578-14-8                    | Quizalofop-ethyl<br>[2-[4-[(6-Chloro-2-quinoxalinyloxy]phenoxy]propanoic acid ethyl ester]   | 1.0                          |
| 77501-63-4                    | Lactofen<br>[Benzoic acid, 5-[2-Chloro-4-<br>(trifluoromethyl)phenoxy]-2-nitro-, 2-<br>ethoxy-1-methyl-2-oxoethyl ester]                 | 1.0                          |
| 82657-04-3                    | Bifenthrin   | 1.0                          |
| 88671-89-0                    | Myclobutanil<br>[.alpha.-Butyl-.alpha.-(4-chlorophenyl)-<br>1H-1,2,4-triazole-1-propanenitrile]  | 1.0                          |
| 90454-18-5                    | Dichloro-1,1,2-trifluoroethane   | 1.0                          |
| 90982-32-4                    | Chlorimuron ethyl<br>[Ethyl-2-[[[(4-chloro-6-methoxyprimidin-<br>2-yl)amino]carbonyl]<br>amino]sulfonyl]benzoate]                        | 1.0                          |
| 101200-48-0                   | Tribenuron methyl<br>[2-[[[(4-Methoxy-6-methyl-1,3,5-triazin-<br>2-yl)methylamino]carbonyl]<br>amino]sulfonyl]benzoic acid methyl ester] | 1.0                          |
| 111512-56-2                   | 1,1-Dichloro-1,2,3,3,3-<br>pentafluoropropane (HCFC-225eb)   | 1.0                          |
| 111984-09-9                   | 3,3'-Dimethoxybenzidine<br>hydrochloride (o-Dianisidine<br>hydrochloride)  | 0.1                          |
| 127564-92-5                   | Dichloropentafluoropropane   | 1.0                          |
| 128903-21-9                   | 2,2-Dichloro-1,1,1,3,3-<br>pentafluoropropane (HCFC-225aa)   | 1.0                          |
| 136013-79-1                   | 1,3-Dichloro-1,1,2,3,3-<br>pentafluoropropane (HCFC-225ea)   | 1.0                          |

**c. Chemical Categories**

Section 313 requires reporting on the EPCRA Section 313

**Table II. EPCRA Section 313 Chemical List – RY2010**

chemical categories listed below, in addition to the specific EPCRA Section 313 chemicals listed above.

The metal compound categories listed below, unless otherwise specified, are defined as including any unique chemical substance that contains the named metal (e.g., antimony, nickel, etc.) as part of that chemical's structure.

EPCRA Section 313 chemical categories are subject to the 1% *de minimis* concentration unless the substance involved meets the definition of an OSHA carcinogen in which case the 0.1% *de minimis* concentration applies. The *de minimis* concentration for each category is provided in parentheses. The *de minimis* exemption is not available for PBT chemicals, therefore an asterisk appears where a *de minimis* limit would otherwise appear. However, for purposes of the supplier notification requirement only, such limits are provided in Appendix D.

**N010 Antimony Compounds (1.0)**  
Includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

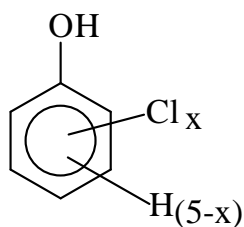
**N020 Arsenic Compounds (inorganic compounds: 0.1; organic compounds: 1.0)**  
Includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

**N040 Barium Compounds (1.0)**  
Includes any unique chemical substance that contains barium as part of that chemical's infrastructure. This category does not include:  
Barium sulfate CAS Number 7727-43-7

**N050 Beryllium Compounds (0.1)**  
Includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

**N078 Cadmium Compounds (0.1)**  
Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

**N084 Chlorophenols (0.1)**



**N090 Chromium Compounds**  
(except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately 2,000 deg.F.)  
(chromium VI compounds: 0.1; chromium III compounds: 1.0)

Includes any unique chemical substance that contains chromium as part of that chemical's infrastructure.

**N096 Cobalt Compounds (inorganic compounds: 0.1; organic compounds: 1.0)**

Includes any unique chemical substance that contains cobalt as part of that chemical's infrastructure.

**N100 Copper Compounds (1.0)**

Includes any unique chemical substance that contains copper as part of that chemical's infrastructure. This category does not include copper phthalocyanine compounds that are substituted with only hydrogen, and/or chlorine, and/or bromine.

**N106 Cyanide Compounds (1.0)**

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

**N120 Diisocyanates (1.0)**

This category includes only those chemicals listed below.

|             |   |
|-------------|---|
| 38661-72-2  | 1,3-Bis(methylisocyanate) - cyclohexane         |
| 10347-54-3  | 1,4-Bis(methylisocyanate)- cyclohexane          |
| 2556-36-7   | 1,4-Cyclohexane diisocyanate                    |
| 134190-37-7 | Diethyldiisocyanatobenzene                      |
| 4128-73-8   | 4,4'-Diisocyanatodiphenyl ether                 |
| 75790-87-3  | 2,4'-Diisocyanatodiphenyl sulfide               |
| 91-93-0     | 3,3'-Dimethoxybenzidine-4,4'-diisocyanate       |
| 91-97-4     | 3,3'-Dimethyl-4,4'-diphenylene diisocyanate     |
| 139-25-3    | 3,3'-Dimethyldiphenyl methane-4,4'-diisocyanate |
| 822-06-0    | Hexamethylene-1,6-diisocyanate                  |
| 4098-71-9   | Isophorone diisocyanate                         |
| 75790-84-0  | 4-Methyldiphenylmethane-3,4-diisocyanate        |
| 5124-30-1   | 1,1-Methylenebis(4-isocyanatocyclohexane)       |
| 101-68-8    | Methylenebis(phenylisocyanate)                  |

**Table II. EPCRA Section 313 Chemical List – RY2010**

(MDI)  
 3173-72-6 1,5-Naphthalene diisocyanate  
 123-61-5 1,3-Phenylene diisocyanate  
 104-49-4 1,4-Phenylene diisocyanate  
 9016-87-9 Polymeric diphenylmethane diisocyanate  
 16938-22-0 2,2,4-Trimethylhexamethylene diisocyanate  
 15646-96-5 2,4,4-Trimethylhexamethylene diisocyanate

|    |            |   |
|----|------------|---|
| 1  | 1746-01-6  | 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin        |
| 2  | 40321-76-4 | 1,2,3,7,8-Pentachlorodibenzo- <i>p</i> -dioxin      |
| 3  | 39227-28-6 | 1,2,3,4,7,8-Hexachlorodibenzo- <i>p</i> -dioxin     |
| 4  | 57653-85-7 | 1,2,3,6,7,8-Hexachlorodibenzo- <i>p</i> -dioxin     |
| 5  | 19408-74-3 | 1,2,3,7,8,9-Hexachlorodibenzo- <i>p</i> -dioxin     |
| 6  | 35822-46-9 | 1,2,3,4,6,7,8-Heptachlorodibenzo- <i>p</i> -dioxin  |
| 7  | 3268-87-9  | 1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin |
| 8  | 51207-31-9 | 2,3,7,8-Tetrachlorodibenzofuran                     |
| 9  | 57117-41-6 | 1,2,3,7,8-Pentachlorodibenzofuran                   |
| 10 | 57117-31-4 | 2,3,4,7,8-Pentachlorodibenzofuran                   |
| 11 | 70648-26-9 | 1,2,3,4,7,8-Hexachlorodibenzofuran                  |
| 12 | 57117-44-9 | 1,2,3,6,7,8-Hexachlorodibenzofuran                  |
| 13 | 72918-21-9 | 1,2,3,7,8,9-Hexachlorodibenzofuran                  |
| 14 | 60851-34-5 | 2,3,4,6,7,8-Hexachlorodibenzofuran                  |
| 15 | 67562-39-4 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran               |
| 16 | 55673-89-7 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran               |
| 17 | 39001-02-0 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran              |

**N150 Dioxin and Dioxin-Like Compounds**  
**(Manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.)** (\*) This category includes only those chemicals listed below. [Note: When completing the Form R Schedule 1, enter the data for each member of the category in the order they are listed here (i.e., 1-17).]

**N171 Ethylenebisdithiocarbamic acid, salts and esters EBDCs) (1.0)**

*Includes any unique chemical substance that contains an EBDC or an EBDC salt as part of that chemical's infrastructure.*

**N230 Certain Glycol Ethers (1.0)**

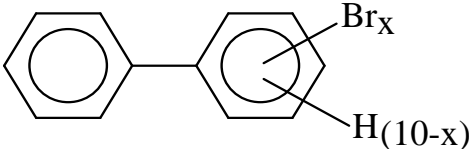
R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR'  
 where n = 1, 2, or 3  
 R = alkyl C7 or less; or  
 R = phenyl or alkyl substituted phenyl;  
 R' = H, or alkyl C7 or less; or

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

**N420 Lead Compounds (\*)**

*Includes any unique chemical substance that contains lead as part of that chemical's infrastructure.*

**Table II. EPCRA Section 313 Chemical List – RY2010**

|             |   |  |  |
|-------------|---|--|--|
| <b>N450</b> | <b>Manganese Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains manganese as part of that chemical's infrastructure.</i>  | 191-30-0<br>57-97-6<br>193-39-5<br>56-49-5<br>3697-24-3<br>5522-43-0 | Dibenzo(a,l)pyrene<br>7,12-Dimethylbenz(a)-anthracene<br>Indeno(1,2,3-cd)pyrene<br>3-Methylcholanthrene<br>5-Methylchrysene<br>1-Nitropyrene |
| <b>N458</b> | <b>Mercury Compounds (*)</b><br><i>Includes any unique chemical substance that contains mercury as part of that chemical's infrastructure.</i>  |  |  |
| <b>N495</b> | <b>Nickel Compounds (0.1)</b><br><i>Includes any unique chemical substance that contains nickel as part of that chemical's infrastructure.</i>  |  |  |
| <b>N503</b> | <b>Nicotine and salts (1.0)</b><br><i>Includes any unique chemical substance that contains nicotine or a nicotine salt as part of that chemical's infrastructure.</i>   |  |  |
| <b>N511</b> | <b>Nitrate compounds (water dissociable; reportable only when in aqueous solution) (1.0)</b>  |  |  |
|             |    |  |  |
|             | <i>Where x = 1 to 10</i>  |  |  |
| <b>N575</b> | <b>Polybrominated Biphenyls (PBBs) (0.1)</b>  |  |  |
| <b>N583</b> | <b>Polychlorinated alkanes (C<sub>10</sub> to C<sub>13</sub>) (1.0, except for those members of the category that have an average chain length of 12 carbons and contain an average chlorine content of 60% by weight which are subject to the 0.1% de minimis)</b>   |  |  |
|             | $C_xH_{2x+2-y}Cl_y$<br>where x = 10 to 13;<br>y = 3 to 12; and<br>the average chlorine content ranges from 40 to 70% with the limiting molecular formulas C <sub>10</sub> H <sub>19</sub> Cl <sub>3</sub> and C <sub>13</sub> H <sub>16</sub> Cl <sub>12</sub>  |  |  |
| <b>N590</b> | <b>Polycyclic aromatic compounds (PACs) (*)</b><br>This category includes the chemicals listed below.   |  |  |
|             | 56-55-3      Benz(a)anthracene<br>205-99-2      Benzo(b)fluoranthene<br>205-82-3      Benzo(j)fluoranthene<br>207-08-9      Benzo(k)fluoranthene<br>206-44-0      Benzo(j,k)fluorene<br>189-55-9      Benzo(r,s,t)pentaphene<br>218-01-9      Benzo(a)phenanthrene<br>50-32-8      Benzo(a)pyrene<br>226-36-8      Dibenz(a,h)acridine<br>224-42-0      Dibenz(a,j)acridine<br>53-70-3      Dibenzo(a,h)anthracene<br>194-59-2      7H-Dibenzo(c,g)carbazole<br>5385-75-1      Dibenzo(a,e)fluoranthene<br>192-65-4      Dibenzo(a,e)pyrene<br>189-64-0      Dibenzo(a,h)pyrene |  |  |
| <b>N725</b> | <b>Selenium Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains selenium as part of that chemical's infrastructure.</i>  |  |  |
| <b>N740</b> | <b>Silver Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains silver as part of that chemical's infrastructure.</i>  |  |  |
| <b>N746</b> | <b>Strychnine and salts (1.0)</b><br><i>Includes any unique chemical substance that contains strychnine or a strychnine salt as part of that chemical's infrastructure.</i>   |  |  |
| <b>N760</b> | <b>Thallium Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains thallium as part of that chemical's infrastructure.</i>  |  |  |
| <b>N770</b> | <b>Vanadium Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains vanadium as part of that chemical's infrastructure.</i>  |  |  |
| <b>N874</b> | <b>Warfarin and salts (1.0)</b><br><i>Includes any unique chemical substance that contains warfarin or a warfarin salt as part of that chemical's infrastructure.</i>   |  |  |
| <b>N982</b> | <b>Zinc Compounds (1.0)</b><br><i>Includes any unique chemical substance that contains zinc as part of that chemical's infrastructure.</i>  |  |  |

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