

Appendix 1 – Alphabetical Listing of NPRI Substances for 2002

The substances are listed in five parts. The changes in substance listings and the new substances added to the NPRI for 2002 are in bold lettering.

PART 1A SUBSTANCES

Name	CAS No. ¹	Name	CAS No. ¹
Acetaldehyde	75-07-0	Carbon tetrachloride	56-23-5
Acetonitrile	75-05-8	Catechol	120-80-9
Acetophenone	98-86-2	CFC-11	75-69-4
Acrolein	107-02-8	CFC-12	75-71-8
Acrylamide	79-06-1	CFC-13	75-72-9
Acrylic acid ²	79-10-7	CFC-114	76-14-2
Acrylonitrile	107-13-1	CFC-115	76-15-3
Alkanes, C ₆₋₁₈ , chloro	68920-70-7	Chlorendic acid	115-28-6
Alkanes, C ₁₀₋₁₃ , chloro	85535-84-8	Chlorine	7782-50-5
Allyl alcohol	107-18-6	Chlorine dioxide	10049-04-4
Allyl chloride	107-05-1	Chloroacetic acid ²	79-11-8
Aluminum ³	7429-90-5	Chlorobenzene	108-90-7
Aluminum oxide ⁴	1344-28-1	Chloroethane	75-00-3
Ammonia (total) ⁵	*	Chloroform	67-66-3
Aniline ²	62-53-3	Chloromethane	74-87-3
Anthracene	120-12-7	3-Chloro-2-methyl-1-propene	563-47-3
Antimony ⁶	*	3-Chloropropionitrile	542-76-7
Asbestos ⁷	1332-21-4	Chromium ⁸	*
Benzene	71-43-2	Cobalt ⁶	*
Benzoyl chloride	98-88-4	Copper ⁶	*
Benzoyl peroxide	94-36-0	Cresol ^{2,9}	1319-77-3
Benzyl chloride	100-44-7	Crotonaldehyde	4170-30-3
Biphenyl	92-52-4	Cumene	98-82-8
<i>Bis</i> (2-ethylhexyl) adipate	103-23-1	Cumene hydroperoxide	80-15-9
<i>Bis</i> (2-ethylhexyl) phthalate	117-81-7	Cyanides ¹⁰	*
Boron trifluoride	7637-07-2	Cyclohexane	110-82-7
Bromine	7726-95-6	Cyclohexanol	108-93-0
1-Bromo-2-chloroethane	107-04-0	Decabromodiphenyl oxide	1163-19-5
Bromomethane	74-83-9	2,4-Diaminotoluene ²	95-80-7
1,3-Butadiene	106-99-0	2,6-Di- <i>t</i> -butyl-4-methylphenol	128-37-0
2-Butoxyethanol	111-76-2	Dibutyl phthalate	84-74-2
Butyl acrylate	141-32-2	<i>o</i> -Dichlorobenzene	95-50-1
<i>i</i> -Butyl alcohol	78-83-1	<i>p</i> -Dichlorobenzene	106-46-7
<i>n</i> -Butyl alcohol	71-36-3	3,3'-Dichlorobenzidine dihydrochloride	612-83-9
<i>sec</i> -Butyl alcohol	78-92-2	1,2-Dichloroethane	107-06-2
<i>tert</i> -Butyl alcohol	75-65-0	Dichloromethane	75-09-2
Butyl benzyl phthalate	85-68-7	2,4-Dichlorophenol ²	120-83-2
1,2-Butylene oxide	106-88-7	1,2-Dichloropropane	78-87-5
Butyraldehyde	123-72-8	Dicyclopentadiene	77-73-6
C.I. Acid Green 3	4680-78-8	Diethanolamine ²	111-42-2
C.I. Basic Green 4	569-64-2	Diethyl phthalate	84-66-2
C.I. Basic Red 1	989-38-8	Diethyl sulphate	64-67-5
C.I. Direct Blue 218	28407-37-6	Dimethylamine	124-40-3
C.I. Disperse Yellow 3	2832-40-8	N,N-Dimethylaniline ²	121-69-7
C.I. Food Red 15	81-88-9	N,N-Dimethylformamide	68-12-2
C.I. Solvent Orange 7	3118-97-6	Dimethyl phenol	1300-71-6
C.I. Solvent Yellow 14	842-07-9	Dimethyl phthalate	131-11-3
Calcium cyanamide	156-62-7	Dimethyl sulphate	77-78-1
Calcium fluoride	7789-75-5	4,6-Dinitro- <i>o</i> -cresol ²	534-52-1
Carbon disulphide	75-15-0	2,4-Dinitrotoluene	121-14-2

Name	CAS No. ¹	Name	CAS No. ¹
2,6-Dinitrotoluene	606-20-2	Methyl isobutyl ketone	108-10-1
Dinitrotoluene ¹¹	25321-14-6	Methyl methacrylate	80-62-6
Di- <i>n</i> -octyl phthalate	117-84-0	N-Methylolacrylamide	924-42-5
1,4-Dioxane	123-91-1	2-Methylpyridine	109-06-8
Diphenylamine	122-39-4	N-Methyl-2-pyrrolidone	872-50-4
Epichlorohydrin	106-89-8	Michler's ketone ²	90-94-8
2-Ethoxyethanol	110-80-5	Molybdenum trioxide	1313-27-5
2-Ethoxyethyl acetate	111-15-9	Naphthalene	91-20-3
Ethoxynonyl benzene	28679-13-2	Nickel ⁶	*
Ethyl acrylate	140-88-5	Nitrate ion ¹⁵	*
Ethylbenzene	100-41-4	Nitric acid	7697-37-2
Ethyl chloroformate	541-41-3	Nitrilotriacetic acid ²	139-13-9
Ethylene	74-85-1	<i>p</i> -Nitroaniline	100-01-6
Ethylene glycol	107-21-1	Nitrobenzene	98-95-3
Ethylene oxide	75-21-8	Nitroglycerin	55-63-0
Ethylene thiourea	96-45-7	<i>p</i> -Nitrophenol ²	100-02-7
Fluorine	7782-41-4	2-Nitropropane	79-46-9
Formaldehyde	50-00-0	N-Nitrosodiphenylamine	86-30-6
Formic acid	64-18-6	Nonylphenol	104-40-5
Halon 1211	353-59-3	Nonylphenol hepta(oxyethylene) ethanol	27177-05-5
Halon 1301	75-63-8	Nonylphenol, industrial	84852-15-3
HCFC-22	75-45-6	Nonylphenol nona(oxyethylene) ethanol	27177-08-8
HCFC-122 and all isomers ¹²	41834-16-6	<i>n</i> -Nonylphenol ¹¹	25154-52-3
HCFC-123 and all isomers ¹³	34077-87-7	Nonylphenol polyethylene glycol ether	9016-45-9
HCFC 124 and all isomers ¹⁴	63938-10-3	<i>p</i> -Nonylphenol polyethylene glycol ether	26027-38-3
HCFC-141b	1717-00-6	Nonylphenoxy ethanol	27986-36-3
HCFC-142b	75-68-3	2-(<i>p</i> -Nonylphenoxy) ethanol	104-35-8
Hexachlorocyclopentadiene	77-47-4	2-(2-(<i>p</i> -Nonylphenoxy)ethoxy) ethanol	20427-84-3
Hexachloroethane	67-72-1	2-(2-(2-(<i>p</i> -Nonylphenoxy)ethoxy)ethoxy)ethoxy) ethanol	7311-27-5
Hexachlorophene	70-30-4	4- <i>tert</i> -octylphenol	140-66-9
<i>n</i> -Hexane	110-54-3	Oxirane, methyl-, polymer with oxirane, mono(nonylphenyl)ether	37251-69-7
Hydrazine ²	302-01-2	Paraldehyde	123-63-7
Hydrochloric acid	7647-01-0	Pentachloroethane	76-01-7
Hydrogen cyanide	74-90-8	Peracetic acid ²	79-21-0
Hydrogen fluoride	7664-39-3	Phenol ²	108-95-2
Hydrogen sulphide	7783-06-4	<i>p</i> -Phenylenediamine ²	106-50-3
Hydroquinone ²	123-31-9	<i>o</i> -Phenylphenol ²	90-43-7
Iron pentacarbonyl	13463-40-6	Phosgene	75-44-5
Isobutyraldehyde	78-84-2	Phosphorus ¹⁶	7723-14-0
Isophorone diisocyanate	4098-71-9	Phthalic anhydride	85-44-9
Isoprene	78-79-5	Polymeric diphenylmethane diisocyanate	9016-87-9
Isopropyl alcohol	67-63-0	Potassium bromate	7758-01-2
<i>p,p'</i> -Isopropylidenediphenol	80-05-7	Propargyl alcohol	107-19-7
Isosafrole	120-58-1	Propionaldehyde	123-38-6
Lithium carbonate	554-13-2	Propylene	115-07-1
Maleic anhydride	108-31-6	Propylene oxide	75-56-9
Manganese ⁶	*	Pyridine ²	110-86-1
2-Mercaptobenzothiazole	149-30-4	Quinoline ²	91-22-5
Methanol	67-56-1	<i>p</i> -Quinone	106-51-4
2-Methoxyethanol	109-86-4	Safrole	94-59-7
2-Methoxyethyl acetate	110-49-6	Selenium ⁶	*
Methyl acrylate	96-33-3	Silver ⁶	*
Methyl <i>tert</i> -butyl ether	1634-04-4	Sodium fluoride	7681-49-4
<i>p,p'</i> -Methylenebis(2-chloroaniline)	101-14-4	Sodium nitrite	7632-00-0
1,1-Methylenebis(4-isocyanatocyclohexane)	5124-30-1	Styrene	100-42-5
Methylenebis(phenylisocyanate)	101-68-8	Styrene oxide	96-09-3
<i>p,p'</i> -Methylenedianiline	101-77-9	Sulphur hexafluoride	2551-62-4
Methyl ethyl ketone	78-93-3		
Methyl iodide	74-88-4		

Name	CAS No. ¹	Name	CAS No. ¹
Sulphuric acid	7664-93-9	1,1,2-Trichloroethane	79-00-5
1,1,1,2-Tetrachloroethane	630-20-6	Trichloroethylene	79-01-6
1,1,2,2-Tetrachloroethane	79-34-5	Triethylamine	121-44-8
Tetrachloroethylene	127-18-4	1,2,4-Trimethylbenzene	95-63-6
Tetracycline hydrochloride	64-75-5	2,2,4-Trimethylhexamethylene diisocyanate	16938-22-0
Thiourea	62-56-6	2,4,4-Trimethylhexamethylene diisocyanate	15646-96-5
Thorium dioxide	1314-20-1	Vanadium ¹⁷	7440-62-2
Titanium tetrachloride	7550-45-0	Vinyl acetate	108-05-4
Toluene	108-88-3	Vinyl chloride	75-01-4
Toluene-2,4-diisocyanate	584-84-9	Vinylidene chloride	75-35-4
Toluene-2,6-diisocyanate	91-08-7	Xylene ¹⁸	1330-20-7
Toluenediisocyanate ¹¹	26471-62-5	Zinc ⁶	*
1,2,4-Trichlorobenzene	120-82-1		

* No single CAS number applies to this NPRI listing.

1 CAS Registry Number denotes the Chemical Abstracts Service Registry Number, as appropriate.

2 "and its salts" – The CAS number corresponds to the weak acid or base. However, the substance includes the salts of these weak acids and bases. When calculating the weight of these substances and their salts, use the molecular weight of the acid or base, not the total weight of the salt.

3 "fume or dust"

4 "fibrous forms"

5 "Ammonia (total)" means the total of both of ammonia (NH₃ – CAS No. 7664-41-7) and the ammonium ion (NH₄⁺) in solution.

6 "and its compounds"

7 "friable form"

8 "and its compounds" except hexavalent chromium compounds

9 "all isomers" including, but not limited to, the individual isomers of cresol: *m*-cresol (CAS No. 108-39-4), *o*-cresol (CAS No. 95-48-7) and *p*-cresol (CAS No. 106-44-5)

10 "ionic"

11 "mixed isomers"

12 "all isomers" including, but not limited to, HCFC-122 (CAS No. 354-21-2).

13 "all isomers" including, but not limited to, HCFC-123 (CAS No. 306-83-2) and HCFC 123a (CAS No. 90454-18-5).

14 "all isomers" including, but not limited to, HCFC 124 (CAS No. 2837-89-0), and HCFC 124a (CAS No. 354-25-6).

15 "in solution at a pH of 6.0 or greater"

16 "yellow or white"

17 "(except when in an alloy) and its compounds"

18 "all isomers" including, but not limited to, the individual isomers of xylene: *m*-xylene (CAS No. 108-38-3), *o*-xylene (CAS No. 95-47-6) and *p*-xylene (CAS No. 106-42-3).

PART 1B SUBSTANCES

Name	CAS No. ¹	Name	CAS No. ¹
Mercury ⁶	*	Hexavalent chromium compounds	*
Cadmium ⁶	*	Lead ^{19,20}	*
Arsenic ⁶	*	Tetraethyl lead	78-00-2

19 "and its compounds" except tetraethyl lead

20 Does not include lead (and its compounds) contained in stainless steel, brass or bronze alloys

PART 2 SUBSTANCES

Name	CAS No. ¹	Name	CAS No. ¹
Benzo(a)anthracene	56-55-3	Dibenzo(a,h)anthracene	53-70-3
Benzo(a)phenanthrene	218-01-9	Dibenzo(a,i)pyrene	189-55-9
Benzo(a)pyrene	50-32-8	7H-Dibenzo(c,g)carbazole	194-59-2
Benzo(b)fluoranthene	205-99-2	Fluoranthene	206-44-0
Benzo(e)pyrene	192-97-2	Indeno(1,2,3-c,d)pyrene	193-39-5
Benzo(g,h,i)perylene	191-24-2	Perylene	198-55-0
Benzo(j)fluoranthene	205-82-3	Phenanthrene	85-01-8
Benzo(k)fluoranthene	207-08-9	Pyrene	129-00-0
Dibenz(a,j)acridine	224-42-0		

PART 3 SUBSTANCES

Name	CAS No. ¹	Name	CAS No. ¹
Hexachlorobenzene	118-74-1	Polychlorinated dibenzo- <i>p</i> -dioxins and polychlorinated dibenzofurans ²¹	*

21 This class of substances is restricted to the following congeners:

2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (1746-01-6);
 1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin (40321-76-4);
 1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin (39227-28-6);
 1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin (19408-74-3);
 1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin (57653-85-7);
 1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin (35822-46-9);
 Octachlorodibenzo-*p*-dioxin (3268-87-9);
 2,3,7,8-Tetrachlorodibenzofuran (51207-31-9);
 2,3,4,7,8-Pentachlorodibenzofuran (57117-31-4);
 1,2,3,7,8-Pentachlorodibenzofuran (57117-41-6);
 1,2,3,4,7,8-Hexachlorodibenzofuran (70648-26-9);
 1,2,3,7,8,9-Hexachlorodibenzofuran (72918-21-9);
 1,2,3,6,7,8-Hexachlorodibenzofuran (57117-44-9);
 2,3,4,6,7,8-Hexachlorodibenzofuran (60851-34-5);
 1,2,3,4,6,7,8-Heptachlorodibenzofuran (67562-39-4);
 1,2,3,4,7,8,9-Heptachlorodibenzofuran (55673-89-7); and
 Octachlorodibenzofuran (39001-02-0).

PART 4 SUBSTANCES

Name	CAS No. ¹	Name	CAS No. ¹
Carbon monoxide	630-08-0	Sulphur dioxide	7446-09-5
Oxides of nitrogen (expressed as NO ₂)	11104-93-1	Total particulate matter ²⁴	*
PM _{2.5} ²²	*	Volatile organic compounds ²⁵	*
PM ₁₀ ²³	*		

22 means any particulate matter with a diameter less than or equal to 2.5 microns.

23 means any particulate matter with a diameter less than or equal to 10 microns.

24 means any particulate matter with a diameter less than 100 microns.

25 Refer to Appendix 3 of *Supplementary Guide for Reporting Criteria Air Contaminants (CACs)* to the National Pollutant Release Inventory for definition of VOCs.