

Final Second List of Chemicals for Tier 1 Screening

As of Tuesday, May 22, 2014, EPA has removed hydrazine and hydrochlorofluorocarbon (HCFC-22) from the Second List of Chemicals for Screening to allow for further consideration of their physical/chemical properties and/or occurrence in regards to whether these substances are appropriate candidates for testing in the EDSP under Safe Drinking Water Act authority at this time. The U.S. Court of Appeals for the Third Circuit granted EPA's motion for voluntary partial vacatur and remand regarding these two chemicals.

This page presents an alphabetized list of the revised second list of chemicals for Tier 1 Screening. EPA published a [draft second list of chemicals for Tier 1 Screening on November 17, 2010](#). Below, this revised list consists of 107 identified chemicals, 41 of which are pesticide active ingredients (PAIs) and 66 are chemicals identified under the Safe Drinking Water Act (SDWA). The public should not presume the listing of a chemical or substance indicates it interferes with the endocrine systems of humans or other species simply because it has been listed for screening under the EDSP. EPA believes that these chemicals or substances should be candidates, at least for screening purposes, under EDSP testing based only on their pesticide registration status and/or because such substances may occur in sources of drinking water to which a substantial population may be exposed.

Chemical Name	CAS Number ¹	SDWA ²	PAI ³
1,1,1,2-Tetrachloroethane	630-20-6	X	
1,1,1-Trichloroethane	71-55-6	X	
1,1,2-Trichloroethane	79-00-5	X	
1,1-Dichloroethane	75-34-3	X	
1,1-Dichloroethylene	75-35-4	X	
1,2,3-Trichloropropane	96-18-4	X	
1,2,4-Trichlorobenzene	120-82-1	X	
1,2-Dichloroethane	107-06-2	X	
1,2-Dichloropropane	78-87-5	X	
1,3-Dinitrobenzene	99-65-0	X	
1,4-Dioxane	123-91-1	X	
1-Butanol	71-36-3	X	
2-Methoxyethanol	109-86-4	X	
2-Propen-1-ol	107-18-6	X	

¹ CAS Number = Chemical Abstract Services Registry Number

² SDWA = Drinking water chemical based on CCL 3 List or chemicals with National Primary Drinking Water Regulations

³ PAI = Pesticide active ingredient (Current pesticide registration exists)

Chemical Name	CAS Number ¹	SDWA ²	PAI ³
4,4'-Methylenedianiline	101-77-9	X	
Acetaldehyde	75-07-0	X	
Acetamide	60-35-5	X	
Acetochlor	34256-82-1	X	X
Acetochlor ethanesulfonic acid (ESA)	187022-11-3	X	
Acetochlor oxanilic acid (OA)	194992-44-4	X	
Acrolein	107-02-8	X	X
Acrylamide	79-06-1	X	
Alachlor	15972-60-8	X	X
Alachlor ethanesulfonic acid (ESA)	142363-53-9	X	
Alachlor oxanilic acid (OA)	171262-17-2	X	
alpha-Hexachlorocyclohexane	319-84-6	X	
Aniline	62-53-3	X	
Bensulide	741-58-2	X	X
Benzene	71-43-2	X	
Benzo(a)pyrene (PAHs)	50-32-8	X	
Butylated hydroxyanisole	25013-16-5	X	
Carbon tetrachloride	56-23-5	X	
Chlorobenzene	108-90-7	X	
cis-1,2-Dichloroethylene	156-59-2	X	
Clethodim	99129-21-2	X	X
Clofentezine	74115-24-5		X
Clomazone	81777-89-1		X
Coumaphos	56-72-4		X
Cyanamide	420-04-2		X
Cyromazine	66215-27-8		X

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Chemical Name	CAS Number ¹	SDWA ²	PAI ³
Denatonium saccharide	90823-38-4		X
Di(2-ethylhexyl) adipate	103-23-1	X	
Dichloromethane	75-09-2	X	
Dicrotophos	141-66-2	X	X
Diuron	330-54-1	X	X
Endothall	145-73-3	X	X
Epichlorohydrin	106-89-8	X	
Erythromycin	114-07-8	X	
Ethylbenzene	100-41-4	X	
Ethylene glycol	107-21-1	X	
Ethylene thiourea	96-45-7	X	
Ethylurethane	51-79-6	X	
Etofenprox	80844-07-1		X
Fenoxaprop-P-ethyl	71283-80-2		X
Flumetsulam	98967-40-9		X
Fomesafen sodium	108731-70-0		X
Fosetyl-Al (Alette)	39148-24-8		X
Glufosinate ammonium	77182-82-2		X
Hexachlorobenzene	118-74-1	X	
Hexachlorocyclopentadiene	77-47-4	X	
Hexane	110-54-3	X	
Hexythiazox	78587-05-0		X
Isoxaben	82558-50-7		X
Lactofen	77501-63-4		X
Lindane	58-89-9	X	

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Chemical Name	CAS Number ¹	SDWA ²	PAI ³
Methanol	67-56-1	X	
Methyl tert-butyl ether	1634-04-4	X	
Metolachlor ethanesulfonic acid (ESA)	171118-09-5	X	
Metolachlor oxanilic acid (OA)	152019-73-3	X	
Nitrobenzene	98-95-3	X	
Nitroglycerin	55-63-0	X	
N-Methyl-2-pyrrolidone	872-50-4	X	
N-Nitrosodimethylamine (NDMA)	62-75-9	X	
n-Propylbenzene	103-65-1	X	
o-Dichlorobenzene	95-50-1	X	
o-Toluidine	95-53-4	X	
Oxydemeton-methyl	301-12-2	X	X
Oxyfluorfen	42874-03-3	X	X
Paclobutrazol	76738-62-0		X
p-Dichlorobenzene	106-46-7	X	X
Pentachlorophenol	87-86-5	X	X
Perchlorate	14797-73-0	X	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	X	
Perfluorooctanoic acid (PFOA)	335-67-1	X	
Picloram	2/1/1918	X	X
Polychlorinated biphenyls	1336-36-3	X	
Profenofos	41198-08-7	X	X
Propionic acid	79-09-4		X
Quinclorac	84087-01-4		X
Quinoline	91-22-5	X	
Quizalofop-P-ethyl	100646-51-3		X

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Chemical Name	CAS Number ¹	SDWA ²	PAI ³
RDX	121-82-4	X	
sec-Butylbenzene	135-98-8	X	
Styrene	100-42-5	X	
Terbufos	13071-79-9	X	X
Terbufos sulfone	56070-16-7	X	
Tetrachloroethylene	127-18-4	X	
Thiophanate-methyl	23564-05-8	X	X
Toluene diisocyanate	26471-62-5	X	
trans-1,2-Dichloroethylene	156-60-5	X	
Trichloroethylene	79-01-6	X	
Triflumizole	68694-11-1		X
Trinexapac-ethyl	95266-40-3		X
Triphenyltin hydroxide (TPTH)	76-87-9	X	X
Vinclozolin	50471-44-8	X	X
Xylenes (total)	1330-20-7	X	X
Ziram	137-30-4	X	X

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