

Annex 13

List of 146 substances with endocrine
disruption classifications prepared
in the Expert meeting

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Cat. 1: Evidence for endocrine disruption in living organisms; Cat 2: Evidence of potential to cause endocrine disruption; Cat 3: No evident scientific basis

Chemno	Selection	CASNR	Name	WILDL	HUM	COMB.
2	HPV	10605-21-7	Carbendazim	3	2	2
10	Pers+	309-00-2	Aldrin	2	2	2
11	Pers+	12789-03-6	Chlordane	2	1	1
12	Pers+	57-74-9	Chlordane (cis- and trans-)	2	1	1
13	Pers+	3734-48-3	Chlordene	3	3	3
15	Pers+	60-57-1	Dieldrin	2	2	2
16	HPV\Pers+	115-29-7	Endosulfan	2	2	2
17	Pers+	959-98-8	Endosulfan (alpha)	2	2	2
18	Pers+	33213-65-9	Endosulfan (beta)	2	2	2
19	Pers+	72-20-8	Endrin	2	2	2
20	Pers+	143-50-0	Kepone (Chlordecone)	2	1	1
21	Pers+	2385-85-5	Mirex	2	1	1
22	Pers+	27304-13-8	Oxychlordane	3	2	2
23	Pers+	39801-14-4	Photomirex	3	2	2
24	Pers+	8001-35-2	Toxaphene = Camphechlor	2	1	1
25	Pers+	39765-80-5	Trans-Nonachlor	3	3	3
27	HPV	94-75-7	2,4-Dichlorophenoxy acetic acid (2,4-D)	2	2	2
29	HPV	67747-09-5	Prochloraz	3	2	2
42	HPV	50-29-3	DDT (technical) = clofenotane	1	1	1
44	HPV	115-32-2	Dicofol = Kelthane	2	3	2
56	HPV	50-29-3	p,p'-DDT = clofenotane	1	1	1
57	Pers+	3563-45-9	Tetrachloro DDT = 1,1,1,2-Tetrachloro-2,2-bis(4-chlorophenyl)ethane	1	2	1
60	HPV	36734-19-7	Iprodione	3	2	2
63	HPV	50471-44-8	Vinclozolin	3	1	1
69	HPV	12427-38-2	Maneb	3	1	1
70	HPV	137-42-8	Metam Natrium	3	1	1
73	HPV	137-26-8	Thiram	3	1	1
74	HPV	12122-67-7	Zineb	3	1	1
75	HPV	137-30-4	Ziram	2	2	2
78	HPV	58-89-9	Gamma-HCH (Lindane)	2	1	1
85	HPV	330-54-1	Diuron	3	2	2
87	HPV	330-55-2	Linuron (Lorox)	3	1	1
104	HPV	333-41-5	Diazinon	2	3	2
106	HPV	60-51-5	Dimethoate	3	2	2
109	HPV	55-38-9	Fenthion	3	3	3
113	HPV	121-75-5	Malathion	2	2	2
115	HPV	298-00-0	Methylparathion	2	3	2
119	HPV	56-38-2	Parathion = Parathion(-ethyl)	3	2	2
141	HPV	61-82-5	Amitrol = Aminotriazol	3	1	1
142	HPV	1912-24-9	Atrazine	2	1	1
156	HPV	122-34-9	Simazine	3	2	2
159	HPV	43121-43-3	Triadimefon	3	2	2
163	HPV	34256-82-1	Acetochlor	3	1	1
164	HPV	15972-60-8	Alachlor	2	1	1
169	HPV	106-93-4	Dibromoethane (EDB)	3	3	3
176	Pers+	76-44-8	Heptachlor	3	2	2
177	Pers+	1024-57-3	Heptachlor-epoxide	3	3	3
179	HPV	74-83-9	Methylbromide (bromomethane)	3	2	2
182	HPV	1836-75-5	Nitrofen	3	1	1
183	HPV	4685-14-7	Paraquat = 1,1'-dimethyl-4,4'-bipyridinium	3	3	3
187	HPV	709-98-8	Propanil	3	2	2
190	Pers+	29082-74-4	Octachlorostyrene	3	3	3
191	HPV	100-42-5	Styrene	3	1	1
194	HPV	120-83-2	2,4 Dichlorophenol	3	2	2
195	HPV	1570-64-5	4-chloro-2-methylphenol	3	2	2
196	HPV	59-50-7	4-chloro-3-methylphenol	3	2	2
198	HPV	118-74-1	Hexachlorobenzene (HCB)	3	1	1

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215	HPV	98-54-4	4-tert-Butylphenol	2	2	2
216	HPV	140-66-9	4-tert-Octylphenol=1,1,3,3-Tetramethyl-4-butylphenol	1	1	1
253	HPV	11081-15-5	Phenol, isoocetyl-	3	3	3
254	HPV	25154-52-3	Phenol, nonyl-	1	1	1
275	HPV	68515-49-1	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (DINP)	3	3	3
277	HPV	103-23-1	Bis(2-ethylhexyl)adipate	3	3	3
278	HPV	85-68-7	Butylbenzylphthalate (BBP)	3	1	1
279	HPV	117-81-7	Di-(2-ethylhexyl)phthalate (DEHP)	3	1	1
280	HPV	84-61-7	Dicyclohexyl phthalate (DCHP)	3	3	3
281	HPV	84-66-2	Diethyl phthalate (DEP)	3	3	3
283	HPV	26761-40-0	Diisodecyl phthalate	3	2	2
284	HPV	28553-12-0	diisononyl phthalate = 1,2-Benzenedicarboxylic acid, diisononyl ester (DINP)	3	2	2
286	HPV	84-74-2	Di-n-butylphthalate (DBP)	3	1	1
318	HPV	1675-54-3	2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane = 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	3	2	2
326	HPV	80-05-7	2,2-Bis(4-hydroxyphenyl)propan = 4,4'-isopropylidenediphenol = Bisphenol A	1	1	1
348	HPV	106-89-8	Epichlorohydrin (1-chloro-2,3-epoxypropane)	3	3	3
370	HPV	92-52-4	Diphenyl	3	3	3
371	HPV	90-43-7	o-phenylphenol	2	2	2
396	Pers	1336-36-3	PCB		1	1
405	Pers	38380-07-3	PCB 128 (2,2',3,3',4,4'-Hexachlorobiphenyl)		3	3
406	Pers	38411-22-2	PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)		2	2
408	Pers	35065-27-1	PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)		1	1
409	Pers	38380-08-4	PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)		2	2
410	Pers	32774-16-6	PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)		1	1
417	Pers	2437-79-8	PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)		1	1
418	Pers	70362-47-9	PCB 48 (2,2',4,5-Tetrachlorobiphenyl)		2	2
419	Pers	35693-99-3	PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)		3	3
420	Pers	33284-53-6	PCB 61 (2,3,4,5-Tetrachlorobiphenyl)		2	2
421	Pers	32598-12-2	PCB 75 (2,4,4',6-Tetrachlorobiphenyl)		2	2
422	Pers	32598-13-3	PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)		1	1
427	Pers	53469-21-9	PCB Aroclor 1242		1	1
428	Pers	12672-29-6	PCB Aroclor 1248		1	1
429	Pers	11097-69-1	PCB Aroclor 1254		1	1
430	Pers	11096-82-5	PCB Aroclor 1260 (Clophen A60)		1	1
435	Pers	No CAS 046	2,2',4,4'-Tetrabrominated diphenyl ether (2,2',4,4'-tetraBDE)		2	
436	Pers	No CAS 044	Decabrominated diphenyl ether (decaBDE)		2	
437	Pers	No CAS 043	Octabrominated diphenyl ether (octaBDE)		2	
438	Pers	No CAS 140	PBBs = Brominated Biphenyls (mixed group of 209 Congeners)		1	1
439	Pers	No CAS 045	Pentabrominated diphenyl ether (pentaBDE)		2	
444	HPV	135-19-3	2-Naphthol	3	3	3
467	Pers	40321-76-4	1,2,3,7,8-Pentachlorodibenzodioxin		1	1
472	Pers	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)		1	1
483	Pers	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran		2	2
484	Pers	83704-53-4	1,2,3,7,9-Pentachlorodibenzofuran		2	2
485	Pers	58802-20-3	1,2,7,8-Tetrachlorodibenzofuran		2	2
486	Pers	71998-72-6	1,3,6,8-Tetrachlorodibenzofuran		2	2
487	Pers	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (2,3,4,7,8-PeCDF)		2	2
488	Pers	67733-57-7	2,3,7,8-Tetrabromodibenzofuran		2	2
489	Pers	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran		2	2
503	Pers	106340-44-7	Tetrabromodibenzofuran (TeBDF)		2	2
504	HPV\Metal	7429-90-5	Aluminum	3	3	3
505	HPV\Metal	7440-43-9	Cadmium	3	3	3
506	Metal	1332-40-7	Copper oxychlor	3	3	3
507	HPV\Metal	7758-98-7	Copper sulfate	3	3	3
508	HPV\Metal	7439-92-1	Lead	3	3	3
509	Metal	7439-97-6	Mercury	3	3	3
510	Metal	22967-92-6	Methylmercury	3	3	3
511	Metal	No CAS 050	Tributyltin compounds	1	2	1

Chemno	Selection	CASNR	Name	WILDL	HUM	COMB.
512	Metal	688-73-3	Tributyltin	1	2	1
513	HPV\Metal	56-35-9	Tributyltin oxide = bis(tributyltin) oxide	1	2	1
514	Metal	26354-18-7	2-propenoic acid, 2-methyl-, methyl ester = Stannane, tributylmeacrylate	1	2	1
515	Metal	No CAS 100	Methoxyethylacrylate tinbutyltin, copolymer	1	2	1
516	Metal	4342-30-7	Phenol, 2-[[[(tributylstannyl)oxy]carbony	1	2	1
517	Metal	4342-36-3	Stannane, (benzoyloxy)tributyl-	1	2	1
518	Metal	4782-29-0	Stannane, [1,2-phenylenebis(carbonyloxy)	1	2	1
519	Metal	36631-23-9	Stannane, tributyl = Tributyltin naphthalate	1	2	1
520	Metal	85409-17-2	Stannane, tributyl-, mono(naphthenoyloxy	1	2	1
521	Metal	24124-25-2	Stannane, tributyl[(1-oxo-9,12-octadecad	1	2	1
522	Metal	3090-35-5	Stannane, tributyl[(1-oxo-9-octadecenyl)	1	2	1
523	Metal	26239-64-5	Stannane, tributyl[[[1,2,3,4,4a,4b,5,6,1	1	2	1
524	Metal	1983-10-4	Stannane, tributylfluoro-	1	2	1
525	Metal	2155-70-6	Tributyl[(2-methyl-1-oxo-2-propenyl)oxy]stannane	1	2	1
526	Metal	No CAS 099	Tributyltin carboxylate	1	2	1
527	Metal	26636-32-8	Tributyltin naphthalate	1	2	1
528	Metal	No CAS 101	Tributyltin polyethoxylate	1	2	1
529	Metal	2279-76-7	Tri-n-propyltin (TPrT)	1	3	1
530	HPV\Metal	1461-25-2	Tetrabutyltin (TTBT)	1	2	1
531	Metal	No CAS 051	Triphenyltin	1	3	1
532	Metal	900-95-8	Fentin acetate	1	3	1
536	HPV	95-76-1	3,4-Dichloroaniline	1	2	1
538	HPV	99-99-0	4-Nitrotoluene	3	1	1
541	HPV	119-61-9	Benzophenone	3	3	3
543	HPV	75-15-0	Carbon disulphide	3	2	2
545	HPV	68-12-2	Dimethylformamide (DMFA)	3	3	3
548	HPV	107-21-1	Ethylene glycol (ethane-1,2-diol)	3	3	3
557	HPV	127-18-4	Perchloroethylene	3	2	2
558	HPV	108-95-2	Phenol	3	3	3
560	HPV	108-46-3	Resorcinol	3	1	1
564	HPV	108-05-4	Vinyl acetate	3	3	3