

From 25 Pa. Code Chapter 250, APPENDIX A
TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 Clean Fill Concentration Limits (CFCL) Effective January 1, 2020

REGULATED SUBSTANCE	CASRN	CFCL (mg/kg)	A. Direct Contact Numeric Values				B. Soil to Groundwater Numeric Values			
			Residential 0-15 feet	Non-Residential		TDS ≤ 2500		Soil Buffer Distance (feet)		
				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential			
						Generic Value	Generic Value			
ACENAPHTHENE	83-32-9	3100	13000 G	190000 C	190000 C	3100 E	4700 E	15		
ACENAPHTHYLENE	208-96-8	2800	13000 G	190000 C	190000 C	2800 E	8000 E	15		
ACEPHATE	30560-19-1	1	880 G	10000 G	190000 C	1.0 E	4.6 E	NA		
ACETALDEHYDE	75-07-0	0.23	170 N	720 N	830 N	0.23 E	0.96 E	NA		
ACETONE	67-64-1	430	10000 C	10000 C	10000 C	430 E	1200 E	NA		
ACETONITRILE	75-05-8	1.5	1100 N	4800 N	5500 N	1.5 E	6 E	NA		
ACETOPHENONE	98-86-2	230	10000 C	10000 C	10000 C	230 E	640 E	NA		
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.08	4.9 G	24 G	190000 C	0.08 E	0.37 E	20		
ACROLEIN	107-02-8	0.00047	0.38 N	1.6 N	1.8 N	0.00047 E	0.002 E	NA		
ACRYLAMIDE	79-06-1	0.0033	1.7 N	22 N	26 N	0.0033 E	0.043 E	NA		
ACRYLIC ACID	79-10-7	0.039	19 N	79 N	91 N	0.039 E	0.16 E	NA		
ACRYLONITRILE	107-13-1	0.01	6.6 N	33 N	38 N	0.01 E	0.051 E	NA		
ALACHLOR	15972-60-8	0.077	330 G	1600 G	190000 C	0.077 E	0.077 E	NA		
ALDICARB	116-06-3	0.05	220 G	3200 G	190000 C	0.05 E	0.05 E	NA		
ALDICARB SULFONE	1646-88-4	0.027	220 G	3200 G	190000 C	0.027 E	0.027 E	NA		
ALDICARB SULFOXIDE	1646-87-3	0.045	220 G	3200 G	190000 C	0.045 E	0.045 E	NA		
ALDRIN	309-00-2	0.52	1.1 G	5.4 G	190000 C	0.52 E	2.4 E	10		
ALLYL ALCOHOL	107-18-6	0.0025	1.9 N	8 N	9.1 N	0.0025 E	0.01 E	NA		
AMETRYN	834-12-8	6.5	2000 G	29000 G	190000 C	6.5 E	6.5 E	NA		
AMINOBIHENYL, 4-	92-67-1	0.0014	0.89 G	4.3 G	190000 C	0.0014 E	0.0062 E	NA		
AMITROLE	61-82-5	0.032	20 G	97 G	190000 C	0.032 E	0.15 E	NA		
AMMONIA	7664-41-7	360	1900 N	8000 N	9100 N	360 E	360 E	NA		
AMMONIUM SULFAMATE	7773-06-0	24	44000 G	190000 C	190000 C	24 E	24 E	NA		
ANILINE	62-53-3	0.12	19 N	79 N	91 N	0.12 E	0.52 E	NA		
ANTHRACENE	120-12-7	350	66000 G	190000 C	190000 C	350 E	350 E	10		
ATRAZINE	1912-24-9	0.13	81 G	400 G	190000 C	0.13 E	0.13 E	NA		
AZINPHOS-METHYL (GUTHION)	86-50-0	15	660 G	9600 G	190000 C	15 E	40 E	NA		
BAYGON (PROPOXUR)	114-26-1	0.057	880 G	13000 G	190000 C	0.057 E	0.057 E	NA		
BENOMYL	17804-35-2	970	11000 G	160000 G	190000 C	970 E	970 E	20		
BENTAZON	25057-89-0	2.9	6600 G	96000 G	190000 C	2.9 E	2.9 E	NA		
BENZENE	71-43-2	0.13	57 N	290 N	330 N	0.13 E	0.13 E	NA		
BENZIDINE	92-87-5	0.018	0.018 G	0.4 G	190000 C	0.13 E	2 E	5		
BENZO[A]ANTHRACENE	56-55-3	6	6 G	130 G	190000 C	28 E	430 E	5		
BENZO[A]PYRENE	50-32-8	0.58	0.58 G	12 G	190000 C	46 E	46 E	5		
BENZO[B]FLUORANTHENE	205-99-2	3.5	3.5 G	76 G	190000 C	26 E	170 E	5		
BENZO[GHI]PERYLENE	191-24-2	180	13000 G	190000 C	190000 C	180 E	180 E	5		
BENZO[K]FLUORANTHENE	207-08-9	4	4 G	76 G	190000 C	210 E	610 E	5		
BENZOIC ACID	65-85-0	3200	190000 C	190000 C	190000 C	3200 E	9000 E	NA		
BENZOTRICHLORIDE	98-07-7	0.014	1.4 G	7 G	10000 C	0.014 E	0.063 E	30		
BENZYL ALCOHOL	100-51-6	150	10000 C	10000 C	10000 C	150 E	430 E	NA		

REGULATED SUBSTANCE	CASRN	CFCL (mg/kg)	A. Direct Contact Numeric Values			B. Soil to Groundwater Numeric Values		Soil Buffer Distance (feet)
			Residential 0-15 feet	Non-Residential		TDS ≤ 2500		
				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential	
						Generic Value	Generic Value	
BENZYL CHLORIDE	100-44-7	0.059	9 N	45 N	52 N	0.059 E	0.3 E	NA
BETA PROPIOLACTONE	57-57-8	0.00015	0.11 N	0.56 N	0.64 N	0.00015 E	0.00076 E	NA
BHC, ALPHA	319-84-6	0.055	3 G	14 G	19000 C	0.055 E	0.25 E	20
BHC, BETA-	319-85-7	0.24	10 G	51 G	19000 C	0.24 E	1.1 E	15
BHC, GAMMA (LINDANE)	58-89-9	0.072	17 G	83 G	19000 C	0.072 E	0.072 E	20
BIPHENYL, 1,1-	92-52-4	40	2300 G	11000 G	19000 C	40 E	190 E	20
BIS(2-CHLOROETHOXY)METHANE	111-91-1	3.4	660 G	9600 G	10000 C	3.4 E	9.2 E	NA
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.0045	1.3 N	6.7 N	7.7 N	0.0045 E	0.023 E	NA
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	8	44 N	220 N	250 N	8 E	8 E	NA
BIS(CHLOROMETHYL)ETHER	542-88-1	0.000012	0.0072 N	0.036 N	0.041 N	0.000012 E	0.00006 E	NA
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	130	1300 G	6500 G	10000 C	130 E	130 E	10
BISPHENOL A	80-05-7	810	11000 G	16000 G	19000 C	810 E	2200 E	20
BROMACIL	314-40-9	1.8	22000 G	190000 C	190000 C	1.8 E	1.8 E	NA
BROMOCHLOROMETHANE	74-97-5	1.6	770 N	3200 N	3600 N	1.6 E	1.6 E	NA
BROMODICHLOROMETHANE	75-27-4	2.7	12 N	60 N	69 N	2.7 E	2.7 E	NA
BROMOMETHANE	74-83-9	0.54	96 N	400 N	460 N	0.54 E	0.54 E	NA
BROMOXYNIL	1689-84-5	71	4400 G	64000 G	190000 C	71 E	200 E	NA
BROMOXYNIL OCTANOATE	1689-99-2	360	4400 G	64000 G	190000 C	360 E	360 E	15
BUTADIENE, 1,3-	106-99-0	0.0086	5.5 G	27 G	85 N	0.0086 E	0.041 E	NA
BUTYL ALCOHOL, N-	71-36-3	50	10000 C	10000 C	10000 C	50 E	140 E	NA
BUTYLATE	2008-41-5	58	10000 C	10000 C	10000 C	58 E	58 E	30
BUTYLBENZENE, N-	104-51-8	1300	10000 C	10000 C	10000 C	1300 E	3700 E	15
BUTYLBENZENE, SEC-	135-98-8	980	10000 C	10000 C	10000 C	980 E	2800 E	30
BUTYLBENZENE, TERT-	98-06-6	760	10000 C	10000 C	10000 C	760 E	2200 E	30
BUTYLBENZYL PHTHALATE	85-68-7	3200	9800 G	10000 C	10000 C	3200 E	10000 C	10
CAPTAN	133-06-2	20	8100 G	40000 G	190000 C	20 E	31 E	NA
CARBARYL	63-25-2	250	22000 G	190000 C	190000 C	250 E	700 E	NA
CARBAZOLE	86-74-8	24	930 G	4600 G	190000 C	24 E	110 E	15
CARBOFURAN	1563-66-2	0.87	1100 G	16000 G	190000 C	0.87 E	0.87 E	NA
CARBON DISULFIDE	75-15-0	130	10000 C	10000 C	10000 C	130 E	530 E	NA
CARBON TETRACHLORIDE	56-23-5	0.26	74 N	370 N	430 N	0.26 E	0.26 E	NA
CARBOXIN	5234-68-4	53	22000 G	190000 C	190000 C	53 E	53 E	NA
CHLORAMBEN	133-90-4	1.6	3300 G	48000 G	190000 C	1.6 E	1.6 E	NA
CHLORDANE	57-74-9	49	53 G	260 G	190000 C	49 E	49 E	10
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	1800	10000 C	10000 C	10000 C	1800 E	7300 E	NA
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	0.049	19 N	80 N	91 N	0.049 E	0.2 E	NA
CHLOROACETALDEHYDE	107-20-0	0.029	62 G	300 G	10000 C	0.029 E	0.13 E	NA
CHLOROACETOPHENONE, 2-	532-27-4	0.039	190000 C	190000 C	190000 C	0.039 E	0.11 E	NA
CHLOROANILINE, P-	106-47-8	0.47	93 G	460 G	190000 C	0.47 E	2.1 E	NA
CHLOROBENZENE	108-90-7	6.1	960 N	4000 N	4600 N	6.1 E	6.1 E	NA
CHLOROBENZILATE	510-15-6	4.4	170 G	830 G	190000 C	4.4 E	20 E	15
CHLOROBUTANE, 1-	109-69-3	270	8800 G	10000 C	10000 C	270 E	730 E	30
CHLORODIBROMOMETHANE	124-48-1	2.5	17 N	82 N	95 N	2.5 E	2.5 E	NA
CHLORODIFLUOROMETHANE	75-45-6	2800	10000 C	10000 C	10000 C	2800 E	10000 C	NA
CHLOROETHANE	75-00-3	5.4	6400 G	10000 C	10000 C	5.4 E	26 E	NA

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				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential		
						Generic Value	Generic Value		
CHLOROFORM	67-66-3	2	19 N	97 N	110 N	2 E	2 E	NA	
CHLORONAPHTHALENE, 2-	91-58-7	7000	18000 G	190000 C	190000 C	7000 E	20000 E	15	
CHLORONITROBENZENE, P-	100-00-5	5.5	220 G	3200 G	190000 C	5.5 E	16 E	NA	
CHLOROPHENOL, 2-	95-57-8	4.4	1100 G	10000 C	10000 C	4.4 E	4.4 E	NA	
CHLOROPRENE	126-99-8	0.0038	1.5 N	7.4 N	8.5 N	0.0038 E	0.02 E	NA	
CHLOROPROPANE, 2-	75-29-6	16	1900 N	8000 N	9100 N	16 E	67 E	NA	
CHLOROTHALONIL	1897-45-6	61	3300 G	29000 G	190000 C	61 E	150 E	30	
CHLOROTOLUENE, O-	95-49-8	20	4400 G	10000 C	10000 C	20 E	20 E	30	
CHLOROTOLUENE, P-	106-43-4	10	4400 G	10000 C	10000 C	10 E	10 E	NA	
CHLORPYRIFOS	2921-88-2	2.3	220 G	3200 G	190000 C	2.3 E	2.3 E	15	
CHLORSULFURON	64902-72-3	29	11000 G	160000 G	190000 C	29 E	80 E	NA	
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	110	2200 G	32000 G	190000 C	110 E	110 E	15	
CHRYSENE	218-01-9	35	35 G	760 G	190000 C	230 E	230 E	5	
CRESOL(S)	1319-77-3	23	10000 C	10000 C	10000 C	23 E	92 E	NA	
CRESOL, 4,6-DINITRO-O-	534-52-1	0.25	18 G	260 G	190000 C	0.25 E	0.7 E	NA	
CRESOL, O- (2-METHYLPHENOL)	95-48-7	35	11000 G	160000 G	190000 C	35 E	96 E	NA	
CRESOL, M- (3-METHYLPHENOL)	108-39-4	41	10000 C	10000 C	10000 C	41 E	110 E	NA	
CRESOL, P- (4-METHYLPHENOL)	106-44-5	4.9	1100 G	16000 G	190000 C	4.9 E	14 E	NA	
CRESOL, P-CHLORO-M-	59-50-7	870	22000 G	190000 C	190000 C	870 E	2500 E	30	
CROTONALDEHYDE	4170-30-3	0.0048	9.8 G	48 G	10000 C	0.0048 E	0.023 E	NA	
CROTONALDEHYDE, TRANS-	123-73-9	0.0048	9.8 G	48 G	10000 C	0.0048 E	0.023 E	NA	
CUMENE (ISOPROPYL BENZENE)	98-82-8	600	7700 N	10000 C	10000 C	600 E	2500 E	15	
CYANAZINE	21725-46-2	0.061	22 G	110 G	190000 C	0.061 E	0.061 E	NA	
CYCLOHEXANE	110-82-7	1700	10000 C	10000 C	10000 C	1700 E	6900 E	NA	
CYCLOHEXANONE	108-94-1	41	10000 C	10000 C	10000 C	41 E	170 E	NA	
CYFLUTHRIN	68359-37-5	33	5500 G	80000 G	190000 C	33 E	33 E	10	
CYROMAZINE	66215-27-8	96	1700 G	24000 G	190000 C	96 E	270 E	20	
DDD, 4,4'-	72-54-8	33	78 G	380 G	190000 C	33 E	150 E	10	
DDE, 4,4'-	72-55-9	46	55 G	270 G	190000 C	46 E	220 E	10	
DDT, 4,4'-	50-29-3	55	55 G	270 G	190000 C	130 E	330 E	5	
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	10000	10000 C	10000 C	10000 C	10000 C	10000 C	5	
DIALLATE	2303-16-4	0.7	300 G	1500 G	10000 C	0.7 E	3.3 E	NA	
DIAMINOTOLUENE, 2,4-	95-80-7	0.0036	4.7 G	23 G	190000 C	0.0036 E	0.017 E	NA	
DIAZINON	333-41-5	0.14	150 G	2200 G	10000 C	0.14 E	0.14 E	30	
DIBENZO[A,H]ANTHRACENE	53-70-3	1	1 G	22 G	190000 C	25 E	270 E	5	
DIBENZOFURAN	132-64-9	110	220 G	3200 G	190000 C	110 E	310 E	15	
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.0092	0.029 N	0.37 N	0.43 N	0.0092 E	0.0092 E	NA	
DIBROMOBENZENE, 1,4-	106-37-6	170	2200 G	32000 G	190000 C	170 E	490 E	20	
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.0012	0.74 N	3.7 N	4.3 N	0.0012 E	0.0012 E	NA	
DIBROMOMETHANE	74-95-3	0.32	77 N	320 N	370 N	0.32 E	1.4 E	NA	
DIBUTYL PHTHALATE, N-	84-74-2	1700	10000 C	10000 C	10000 C	1700 E	4900 E	20	
DICAMBA	1918-00-9	45	6600 G	96000 G	190000 C	45 E	45 E	NA	
DICHLOROACETIC ACID	79-43-6	0.79	370 G	1800 G	10000 C	0.79 E	0.79 E	NA	
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.00067	0.11 N	0.53 N	0.61 N	0.00067 E	0.0034 E	NA	
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6	0.00078	0.1 N	0.52 N	0.6 N	0.00078 E	0.0039 E	NA	

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				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential		
						Generic Value	Generic Value		
DICHLOROBENZENE, 1,2-	95-50-1	59	3800 N	10000 C	10000 C	59 E	59 E	NA	
DICHLOROBENZENE, 1,3-	541-73-1	61	10000 C	10000 C	10000 C	61 E	61 E	NA	
DICHLOROBENZENE, P-	106-46-7	10	40 N	200 N	230 N	10 E	10 E	30	
DICHLOROBENZIDINE, 3,3'-	91-94-1	8.8	41 G	200 G	190000 C	8.8 E	42 E	10	
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	100	1900 N	8000 N	9100 N	100 E	100 E	NA	
DICHLOROETHANE, 1,1-	75-34-3	0.75	280 N	1400 N	1600 N	0.75 E	3.9 E	NA	
DICHLOROETHANE, 1,2-	107-06-2	0.1	17 N	86 N	98 N	0.1 E	0.1 E	NA	
DICHLOROETHYLENE, 1,1-	75-35-4	0.19	3800 N	10000 C	10000 C	0.19 E	0.19 E	NA	
DICHLOROETHYLENE, CIS-1,2-	156-59-2	1.6	440 G	6400 G	10000 C	1.6 E	1.6 E	NA	
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	2.3	1100 N	4800 N	5500 N	2.3 E	2.3 E	NA	
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	0.076	1300 G	10000 C	10000 C	0.076 E	0.076 E	NA	
DICHLOROPHENOL, 2,4-	120-83-2	1	660 G	9600 G	190000 C	1 E	1 E	NA	
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	1.8	2200 G	32000 G	190000 C	1.8 E	1.8 E	NA	
DICHLOROPROPANE, 1,2-	78-87-5	0.11	45 N	220 N	260 N	0.11 E	0.11 E	NA	
DICHLOROPROPENE, 1,3-	542-75-6	0.13	110 N	560 N	640 N	0.13 E	0.61 E	NA	
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	5.3	6600 G	10000 C	10000 C	5.3 E	5.3 E	NA	
DICHLORVOS	62-73-7	0.059	64 G	310 G	10000 C	0.059 E	0.28 E	NA	
DICYCLOPENTADIENE	77-73-6	0.13	6 N	24 N	27 N	0.13 E	0.56 E	30	
DIELDRIN	60-57-1	0.13	1.2 G	6 G	190000 C	0.13 E	0.58 E	15	
DIETHANOLAMINE	111-42-2	440	440 G	6400 G	10000 C	NA	NA	NA	
DIETHYL PHTHALATE	84-66-2	1000	10000 C	10000 C	10000 C	1000 E	2900 E	NA	
DIFLUBENZURON	35367-38-5	52	4400 G	64000 G	190000 C	52 E	52 E	20	
DIISOPROPYL METHYLPHOSPHONATE	1445-75-6	8.2	10000 C	10000 C	10000 C	8.2 E	8.2 E	NA	
DIMETHOATE	60-51-5	0.32	44 G	640 G	190000 C	0.32 E	0.89 E	NA	
DIMETHOXYBENZIDINE, 3,3-	119-90-4	0.15	1300 G	6500 G	190000 C	0.15 E	0.71 E	20	
DIMETHRIN	70-38-2	240	66000 G	190000 C	190000 C	240 E	240 E	10	
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	0.042	4 G	20 G	190000 C	0.042 E	0.19 E	20	
DIMETHYLANILINE, N,N-	121-69-7	4.7	440 G	6400 G	10000 C	4.7 E	13 E	NA	
DIMETHYLBENZIDINE, 3,3-	119-93-7	0.36	1.7 G	8.3 G	190000 C	0.36 E	1.7 E	10	
DIMETHYL METHYLPHOSPHONATE	756-79-6	1.2	10000 C	10000 C	10000 C	1.2 E	1.2 E	NA	
DIMETHYLPHENOL, 2,4-	105-67-9	36	4400 G	10000 C	10000 C	36 E	100 E	NA	
DINITROBENZENE, 1,3-	99-65-0	0.049	22 G	320 G	190000 C	0.049 E	0.049 E	NA	
DINITROPHENOL, 2,4-	51-28-5	0.94	440 G	6400 G	190000 C	0.94 E	2.6 E	NA	
DINITROTOLUENE, 2,4-	121-14-2	0.057	60 G	290 G	190000 C	0.057 E	0.26 E	NA	
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	0.015	12 G	61 G	190000 C	0.015 E	0.068 E	NA	
DINOSEB	88-85-7	0.29	220 G	3200 G	190000 C	0.29 E	0.29 E	NA	
DIOXANE, 1,4-	123-91-1	0.084	58 N	290 N	330 N	0.084 E	0.42 E	NA	
DIPHENAMID	957-51-7	12	6600 G	96000 G	190000 C	12 E	12 E	NA	
DIPHENYLAMINE	122-39-4	59	5500 G	80000 G	190000 C	59 E	170 E	NA	
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.16	23 G	110 G	190000 C	0.16 E	0.76 E	30	
DIQUAT	85-00-7	0.24	480 G	7000 G	190000 C	0.24 E	0.24 E	NA	
DISULFOTON	298-04-4	0.18	8.8 G	130 G	10000 C	0.18 E	0.18 E	20	
DITHIANE, 1,4-	505-29-3	1.3	2200 G	32000 G	190000 C	1.3 E	1.3 E	NA	
DIURON	330-54-1	7.1	440 G	6400 G	190000 C	7.1 E	20 E	NA	
ENDOSULFAN	115-29-7	130	1300 G	19000 G	190000 C	130 E	250 E	15	

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			Residential 0-15 feet	Non-Residential		TDS ≤ 2500			
				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential		
						Generic Value	Generic Value		
ENDOSULFAN I (ALPHA)	959-98-8	130	1300 G	19000 G	190000 C	130 E	260 E	15	
ENDOSULFAN II (BETA)	33213-65-9	150	1300 G	19000 G	190000 C	150 E	260 E	15	
ENDOSULFAN SULFATE	1031-07-8	70	1300 G	19000 G	190000 C	70 E	70 E	15	
ENDOTHALL	145-73-3	4.1	4400 G	64000 G	190000 C	4.1 E	4.1 E	NA	
ENDRIN	72-20-8	5.5	66 G	960 G	190000 C	5.5 E	5.5 E	15	
EPICHLOROHRIDRIN	106-89-8	0.042	19 N	79 N	91 N	0.042 E	0.17 E	NA	
ETHEPHON	16672-87-0	2.4	1100 G	16000 G	190000 C	2.4 E	6.7 E	NA	
ETHION	563-12-2	46	110 G	1600 G	10000 C	46 E	130 E	15	
ETHOXYETHANOL, 2- (EGEE)	110-80-5	5.9	3900 N	10000 C	10000 C	5.9 E	25 E	NA	
ETHYL ACETATE	141-78-6	3.9	1300 N	5600 N	6400 N	3.9 E	16 E	NA	
ETHYL ACRYLATE	140-88-5	0.58	150 N	640 N	730 N	0.58 E	2.7 E	NA	
ETHYL BENZENE	100-41-4	46	180 N	890 N	1000 N	46 E	46 E	NA	
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	71	5500 G	10000 C	10000 C	71 E	210 E	NA	
ETHYL ETHER	60-29-7	230	10000 C	10000 C	10000 C	230 E	650 E	NA	
ETHYL METHACRYLATE	97-63-2	10	5700 N	10000 C	10000 C	10 E	43 E	NA	
ETHYLENE CHLORHYDRIN	107-07-3	10	4400 G	10000 C	10000 C	10 E	26 E	NA	
ETHYLENE GLYCOL	107-21-1	170	7700 N	10000 C	10000 C	170 E	170 E	NA	
ETHYLENE THIOUREA (ETU)	96-45-7	0.037	18 G	260 G	190000 C	0.037 E	0.1 E	NA	
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.13	2.2 G	32 G	190000 C	0.13 E	0.37 E	20	
FENAMIPHOS	22224-92-6	0.06	55 G	800 G	190000 C	0.06 E	0.06 E	NA	
FENVALERATE (PYDRIN)	51630-58-1	94	5500 G	10000 C	10000 C	94 E	94 E	15	
FLUOMETURON	2164-17-2	2.5	2900 G	42000 G	190000 C	2.5 E	2.5 E	NA	
FLUORANTHENE	206-44-0	3200	8800 G	130000 G	190000 C	3200 E	3200 E	10	
FLUORENE	86-73-7	3400	8800 G	130000 G	190000 C	3400 E	3800 E	15	
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	87	10000 C	10000 C	10000 C	87 E	87 E	NA	
FONOFOS	944-22-9	2.9	440 G	6400 G	10000 C	2.9 E	2.9 E	20	
FORMALDEHYDE	50-00-0	12	34 N	170 N	200 N	12 E	12 E	NA	
FORMIC ACID	64-18-6	0.0071	6 N	24 N	27 N	0.0071 E	0.029 E	NA	
FOSETYL-AL	39148-24-8	12000	190000 C	190000 C	190000 C	12000 E	31000 E	NA	
FURAN	110-00-9	1.8	220 G	3200 G	10000 C	1.8 E	5.2 E	NA	
FURFURAL	98-01-1	1.4	660 G	4000 N	4500 N	1.4 E	4.4 E	NA	
GLYPHOSATE	1071-83-6	620	22000 G	190000 C	190000 C	620 E	620 E	15	
HEPTACHLOR	76-44-8	0.68	4 G	20 G	190000 C	0.68 E	0.68 E	15	
HEPTACHLOR EPOXIDE	1024-57-3	1.1	2 G	10 G	190000 C	1.1 E	1.1 E	10	
HEXACHLOROBENZENE	118-74-1	0.96	12 G	57 G	190000 C	0.96 E	0.96 E	15	
HEXACHLOROBUTADIENE	87-68-3	11	220 G	1200 G	10000 C	11 E	52 E	15	
HEXACHLOROCYCLOPENTADIENE	77-47-4	91	1300 G	10000 C	10000 C	91 E	91 E	15	
HEXACHLOROETHANE	67-72-1	0.56	44 N	220 N	260 N	0.56 E	0.56 E	15	
HEXANE	110-54-3	1400	10000 C	10000 C	10000 C	1400 E	5600 E	15	
HEXAZINONE	51235-04-2	8.5	7300 G	110000 G	190000 C	8.5 E	8.5 E	NA	
HEXYTHIAZOX (SAVEY)	78587-05-0	820	5500 G	80000 G	190000 C	820 E	820 E	15	
HMX	2691-41-0	4.8	11000 G	160000 G	190000 C	4.8 E	4.8 E	NA	
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.00011	0.09 N	0.45 N	0.52 N	0.00011 E	0.00057 E	NA	
HYDROQUINONE	123-31-9	0.16	310 G	1500 G	190000 C	0.16 E	0.77 E	NA	
INDENO[1,2,3-CD]PYRENE	193-39-5	3.5	3.5 G	76 G	190000 C	1500 E	22000 E	5	

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IPRODIONE	36734-19-7	490	8800 G	130000 G	190000 C	490 E	1300 E	20	
ISOBUTYL ALCOHOL	78-83-1	340	10000 C	10000 C	10000 C	340 E	910 E	NA	
ISOPHORONE	78-59-1	1.9	10000 C	10000 C	10000 C	1.9 E	1.9 E	NA	
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	8.1	10000 C	10000 C	10000 C	8.1 E	8.1 E	NA	
KEPONE	143-50-0	1	1.9 G	9.1 G	190000 C	1 E	4.7 E	10	
MALATHION	121-75-5	170	4400 G	10000 C	10000 C	170 E	170 E	20	
MALEIC HYDRAZIDE	123-33-1	47	110000 G	190000 C	190000 C	47 E	47 E	NA	
MANEB	12427-38-2	2	1100 G	16000 G	190000 C	2 E	6.6 E	NA	
MERPHOS OXIDE	78-48-8	6.6	6.6 G	96 G	10000 C	17 E	46 E	10	
METHACRYLONITRILE	126-98-7	0.069	22 G	320 G	2800 N	0.069 E	0.2 E	NA	
METHAMIDOPHOS	10265-92-6	0.026	11 G	160 G	190000 C	0.026 E	0.072 E	NA	
METHANOL	67-56-1	99	10000 C	10000 C	10000 C	99 E	410 E	NA	
METHOMYL	16752-77-5	3.2	5500 G	80000 G	190000 C	3.2 E	3.2 E	NA	
METHOXYCHLOR	72-43-5	630	1100 G	16000 G	190000 C	630 E	630 E	10	
METHOXYETHANOL, 2-	109-86-4	0.48	380 N	1600 N	1800 N	0.48 E	2 E	NA	
METHYL ACETATE	79-20-9	780	10000 C	10000 C	10000 C	780 E	2200 E	NA	
METHYL ACRYLATE	96-33-3	1	380 N	1600 N	1800 N	1 E	5 E	NA	
METHYL CHLORIDE	74-87-3	0.38	250 N	1200 N	1400 N	0.38 E	0.38 E	NA	
METHYL ETHYL KETONE	78-93-3	76	10000 C	10000 C	10000 C	76 E	76 E	NA	
METHYL HYDRAZINE	60-34-4	0.00048	0.38 N	1.6 N	1.8 N	0.00048 E	0.002 E	NA	
METHYL ISOBUTYL KETONE	108-10-1	51	10000 C	10000 C	10000 C	51 E	140 E	NA	
METHYL ISOCYANATE	624-83-9	0.029	19 N	79 N	91 N	0.029 E	0.12 E	NA	
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	1.6	570 N	2400 N	2800 N	1.6 E	6.4 E	NA	
METHYL METHACRYLATE	80-62-6	20	10000 C	10000 C	10000 C	20 E	84 E	NA	
METHYL METHANESULFONATE	66-27-3	0.092	190 G	920 G	10000 C	0.092 E	0.42 E	NA	
METHYL PARATHION	298-00-0	0.21	55 G	800 G	190000 C	0.21 E	0.21 E	30	
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	47	770 N	3200 N	3600 N	47 E	200 E	15	
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	0.28	1700 N	8600 N	9900 N	0.28 E	0.28 E	NA	
METHYLCHLOROPHOXYACETIC ACD (MCPA)	94-74-6	1.2	110 G	1600 C	190000 C	1.2 E	1.2 E	NA	
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	1.8	42 G	910 G	190000 C	1.8 E	26 E	15	
METHYLNAPHTHALENE, 2-	91-57-6	680	880 G	13000 G	190000 C	680 E	1900 E	15	
METHYLSTYRENE, ALPHA	98-83-9	510	10000 C	10000 C	10000 C	510 E	1400 E	30	
METOLACHLOR	51218-45-2	40	10000 C	10000 C	10000 C	40 E	40 E	NA	
METRIBUZIN	21087-64-9	2.4	5500 G	80000 G	190000 C	2.4 E	2.4 E	NA	
MONOCHLOROACETIC ACID	79-11-8	0.67	440 G	6400 G	190000 C	0.67 E	0.67 E	NA	
NAPHTHALENE	91-20-3	25	160 G	760 G	190000 C	25 E	25 E	30	
NAPHTHYLAMINE, 1-	134-32-7	0.33	10 G	51 G	190000 C	0.33 E	1.5 E	15	
NAPHTHYLAMINE, 2-	91-59-8	0.013	10 G	51 G	190000 C	0.013 E	0.062 E	NA	
NAPROPAMIDE	15299-99-7	970	22000 G	190000 C	190000 C	970 E	2800 E	30	
NITROANILINE, O-	88-74-4	8	2200 G	32000 G	190000 C	8 E	21 E	NA	
NITROANILINE, P-	100-01-6	0.55	880 G	4600 G	190000 C	0.55 E	2.5 E	NA	
NITROBENZENE	98-95-3	3.6	440 G	6400 G	10000 C	3.6 E	10 E	NA	
NITROGUANIDINE	556-88-7	7.8	22000 G	190000 C	190000 C	7.8 E	7.8 E	NA	
NITROPHENOL, 2-	88-75-5	6.7	1800 G	26000 G	190000 C	6.7 E	19 E	NA	
NITROPHENOL, 4-	100-02-7	4.1	1800 G	26000 G	190000 C	4.1 E	4.1 E	NA	

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NITROPROPANE, 2-	79-46-9	0.00029	0.16 N	0.82 N	0.94 N	0.00029 E	0.0015 E	NA	
NITROSODIETHYLAMINE, N-	55-18-5	0.000079	0.0041 N	0.051 N	0.059 N	0.000079 E	0.0001 E	NA	
NITROSODIMETHYLAMINE, N-	62-75-9	0.000019	0.012 N	0.16 N	0.18 N	0.000019 E	0.00024 E	NA	
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	0.017	3.4 G	17 G	10000 C	0.017 E	0.078 E	NA	
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.0014	2.7 G	13 G	10000 C	0.0014 E	0.0068 E	NA	
NITROSODIPHENYLAMINE, N-	86-30-6	23	3800 G	19000 G	190000 C	23 E	110 E	30	
NITROSO-N-ETHYLUREA, N-	759-73-9	0.000097	0.16 G	3.4 G	190000 C	0.000097 E	0.0015 E	NA	
OCTYL PHTHALATE, DI-N-	117-84-0	2200	2200 G	10000 C	10000 C	10000 C	10000 C	5	
OXAMYL (VYDATE)	23135-22-0	2.6	5500 G	80000 G	190000 C	2.6 E	2.6 E	NA	
PARAQUAT	1910-42-5	120	990 G	14000 G	190000 C	120 E	120 E	15	
PARATHION	56-38-2	150	1300 G	10000 C	10000 C	150 E	410 E	15	
PCB-1016 (AROCLOR)	12674-11-2	9	9 G	46 G	10000 C	10 E	47 E	10	
PCB-1221 (AROCLOR)	11104-28-2	0.18	9 G	46 G	10000 C	0.18 E	0.83 E	20	
PCB-1232 (AROCLOR)	11141-16-5	0.14	9 G	46 G	10000 C	0.14 E	0.7 E	20	
PCB-1242 (AROCLOR)	53469-21-9	4	9 G	46 G	10000 C	4 E	20 E	10	
PCB-1248 (AROCLOR)	12672-29-6	9.3	9.3 G	46 G	10000 C	18 E	81 E	10	
PCB-1254 (AROCLOR)	11097-69-1	4.4	4.4 G	46 G	10000 C	75 E	340 E	5	
PCB-1260 (AROCLOR)	11096-82-5	9	9 G	46 G	190000 C	170 E	770 E	5	
PEBULATE	1114-71-2	350	10000 C	10000 C	10000 C	350 E	980 E	30	
PENTACHLOROBENZENE	608-93-5	180	180 G	2600 G	190000 C	260 E	750 E	10	
PENTACHLOROETHANE	76-01-7	3.9	210 G	1000 G	10000 C	3.9 E	19 E	20	
PENTACHLORONITROBENZENE	82-68-8	6	72 G	350 G	190000 C	6 E	26 E	15	
PENTACHLOROPHENOL	87-86-5	5	47 G	230 G	190000 C	5 E	5 E	10	
PHENACETIN	62-44-2	13	8500 G	41000 G	190000 C	13 E	58 E	NA	
PHENANTHRENE	85-01-8	10000	66000 G	190000 C	190000 C	10000 E	10000 E	10	
PHENOL	108-95-2	33	3800 N	16000 N	18000 N	33 E	33 E	NA	
PHENYL MERCAPTAN	108-98-5	220	220 G	3200 G	10000 C	6400 E	18 E	30	
PHENYLENEDIAMINE, M-	108-45-2	3.5	1300 G	19000 G	190000 C	3.5 E	9.9 E	NA	
PHENYLPHENOL, 2-	90-43-7	550	9800 G	48000 G	190000 C	550 E	2600 E	15	
PHORATE	298-02-2	1.8	44 G	640 G	10000 C	1.8 E	4.9 E	30	
PHTHALIC ANHYDRIDE	85-44-9	2600	190000 C	190000 C	190000 C	2600 E	7100 E	NA	
PICLORAM	1918-02-1	7.4	15000 G	190000 C	190000 C	7.4 E	7.4 E	NA	
PROMETON	1610-18-0	39	3300 G	48000 G	190000 C	39 E	39 E	NA	
PRONAMIDE	23950-58-5	190	17000 G	190000 C	190000 C	190 E	540 E	NA	
PROPANIL	709-98-8	11	1100 G	16000 G	190000 C	11 E	30 E	NA	
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	7.3	3800 N	10000 C	10000 C	7.3 E	31 E	NA	
PROPAZINE	139-40-2	0.5	4400 G	10000 C	10000 C	0.5 E	0.5 E	NA	
PROPHAM	122-42-9	2.4	4400 G	64000 G	190000 C	2.4 E	2.4 E	NA	
PROPYLBENZENE, N-	103-65-1	400	10000 C	10000 C	10000 C	400 E	1700 E	30	
PROPYLENE OXIDE	75-56-9	0.052	78 G	380 G	690 N	0.052 E	0.24 E	NA	
PYRENE	129-00-0	2200	6600 G	96000 G	190000 C	2200 E	2200 E	10	
PYRIDINE	110-86-1	0.47	220 G	3200 G	10000 C	0.47 E	1.3 E	NA	
QUINOLINE	91-22-5	0.081	6 G	30 G	10000 C	0.081 E	0.37 E	20	
QUIZALOFOP (ASSURE)	76578-14-8	47	2000 G	29000 G	190000 C	47 E	47 E	30	
RDX	121-82-4	0.057	170 G	830 G	190000 C	0.057 E	0.057 E	NA	

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RESORCINOL	108-46-3	970	190000 C	190000 C	190000 C	970 E	2700 E	NA	
RONNEL	299-84-3	330	11000 G	160000 G	190000 C	330 E	910 E	30	
SIMAZINE	122-34-9	0.15	160 G	760 G	190000 C	0.15 E	0.15 E	NA	
STRYCHNINE	57-24-9	1.1	66 G	960 G	190000 C	1.1 E	2.8 E	NA	
STYRENE	100-42-5	24	10000 C	10000 C	10000 C	24 E	24 E	30	
TEBUTHIURON	34014-18-1	83	15000 G	190000 C	190000 C	83 E	83 E	30	
TERBACIL	5902-51-2	2.2	2900 G	42000 G	190000 C	2.2 E	2.2 E	NA	
TERBUFOS	13071-79-9	0.055	5.5 G	80 G	10000 C	0.055 E	0.055 E	30	
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	6	66 G	960 G	190000 C	6 E	16 E	20	
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00014	0.00014 G	0.0007 G	190000 C	0.032 E	0.032 E	5	
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	18	60 N	300 N	340 N	18 E	18 E	30	
TETRACHLOROETHANE, 1,1,1,2,2-	79-34-5	0.026	7.7 N	38 N	44 N	0.026 E	0.13 E	NA	
TETRACHLOROETHYLENE (PCE)	127-18-4	0.43	770 N	3200 N	3600 N	0.43 E	0.43 E	NA	
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	2000	6600 G	96000 G	190000 C	2000 E	5500 E	15	
TETRAETHYL LEAD	78-00-2	0.0052	0.022 G	0.32 G	10000 C	0.0052 E	0.015 E	15	
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	3.1	110 G	1600 G	10000 C	3.1 E	8.6 E	30	
TETRAHYDROFURAN	109-99-9	0.57	240 N	1200 N	1400 N	0.57 E	2.8 E	NA	
THIOFANOX	39196-18-4	0.14	66 G	960 G	190000 C	0.14 E	0.39 E	NA	
THIRAM	137-26-8	55	1100 G	16000 G	190000 C	55 E	150 E	20	
TOLUENE	108-88-3	44	10000 C	10000 C	10000 C	44 E	44 E	NA	
TOLUIDINE, M-	108-44-1	2.1	1200 G	5700 G	10000 C	2.1 E	9.7 E	NA	
TOLUIDINE, O-	95-53-4	5.2	1200 G	5700 G	10000 C	5.2 E	24 E	NA	
TOLUIDINE, P-	106-49-0	2.2	620 G	3000 G	190000 C	2.2 E	10 E	NA	
TOXAPHENE	8001-35-2	1.2	17 G	83 G	190000 C	1.2 E	1.2 E	20	
TRIALATE	2303-17-5	280	2900 G	10000 C	10000 C	280 E	770 E	15	
TRIBROMOMETHANE (BROMOFORM)	75-25-2	3.5	410 N	2000 N	2300 N	3.5 E	3.5 E	NA	
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	10000	10000 C	10000 C	10000 C	10000 C	10000 C	20	
TRICHLOROACETIC ACID	76-03-9	0.32	270 G	1300 G	190000 C	0.32 E	0.32 E	NA	
TRICHLOROBENZENE, 1,2,4-	120-82-1	27	640 G	3100 G	10000 C	27 E	27 E	20	
TRICHLOROBENZENE, 1,3,5-	108-70-3	31	1300 G	19000 G	190000 C	31 E	31 E	15	
TRICHLOROETHANE, 1,1,1-	71-55-6	7.2	10000 C	10000 C	10000 C	7.2 E	7.2 E	NA	
TRICHLOROETHANE, 1,1,2-	79-00-5	0.15	4 N	16 N	18 N	0.15 E	0.15 E	NA	
TRICHLOROETHYLENE (TCE)	79-01-6	0.17	38 N	160 N	180 N	0.17 E	0.17 E	NA	
TRICHLOROPHENOL, 2,4,5-	95-95-4	2600	22000 G	190000 C	190000 C	2600 E	7300 E	15	
TRICHLOROPHENOL, 2,4,6-	88-06-2	12	220 G	3200 G	190000 C	12 E	34 E	20	
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	1.5	2200 G	32000 G	190000 C	1.5 E	1.5 E	NA	
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	22	1800 G	26000 G	190000 C	22 E	22 E	20	
TRICHLOROPROPANE, 1,1,2-	598-77-6	3.6	1100 G	10000 C	10000 C	3.6 E	9.9 E	NA	
TRICHLOROPROPANE, 1,2,3-	96-18-4	0.14	0.14 G	3 G	28 N	3.2 E	3.2 E	NA	
TRICHLOROPROPENE, 1,2,3-	96-19-5	0.037	5.7 N	24 N	27 N	0.037 E	0.15 E	NA	
TRIETHYLAMINE	121-44-8	0.36	130 N	560 N	640 N	0.36 E	1.5 E	NA	
TRIETHYLENE GLYCOL	112-27-6	1000	10000 C	10000 C	10000 C	1000 E	2900 E	NA	
TRIFLURALIN	1582-09-8	1.9	1700 G	12000 G	190000 C	1.9 E	1.9 E	30	
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	8.4	130 N	560 N	640 N	8.4 E	35 E	15	

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TRIMETHYLBENZENE, 1,3,5-	108-67-8	74	2200 G	10000 C	10000 C	74 E	210 E	30	
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.2	22 G	320 G	10000 C	0.2 E	0.2 E	NA	
TRINITROTOLUENE, 2,4,6-	118-96-7	0.023	110 G	1600 G	190000 C	0.023 E	0.023 E	NA	
VINYL ACETATE	108-05-4	5	3900 N	10000 C	10000 C	5 E	21 E	NA	
VINYL BROMIDE (BROMOETHENE)	593-60-2	0.073	14 N	70 N	80 N	0.073 E	0.38 E	NA	
VINYL CHLORIDE	75-01-4	0.027	0.9 G	61 G	280 N	0.027 E	0.027 E	NA	
WARFARIN	81-81-2	3.1	66 G	960 G	190000 C	3.1 E	8.4 E	30	
XYLENES (TOTAL)	1330-20-7	990	1900 N	8000 N	9100 N	990 E	990 E	NA	
ZINEB	12122-67-7	33	11000 G	160000 G	190000 C	33 E	92 E	NA	

All concentrations in mg/kg

G - Ingestion

N - Inhalation

C - Cap