

WAC 173-460-150 Draft Table of ASIL, SQER and de minimis emission values.

Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
1,1,1,2-Tetrachloroethane	630-20-6	year	0.14	22	1.1
1,1,1,2-Tetrafluoroethane	811-97-2	24-hr	8.0E+04	5900	3.0E+02
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	24-hr	5.0E+03	370	19
1,1,2,2-Tetrachloroethane	79-34-5	year	0.017	2.8	0.14
1,1,2-Trichloroethane (vinyl trichloride)	79-00-5	year	0.063	1.0E+01	0.51
1,1-Dichloroethane (ethylidene dichloride)	75-34-3	year	0.63	1.0E+02	5.1
1,1-Difluoroethane	75-37-6	24-hr	4.0E+04	3000	150
1,1-Dimethylhydrazine	57-14-7	24-hr	0.50	0.037	0.0019
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	year	9.1E-05	0.015	0.00074
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3268-87-9	year	9.1E-05	0.015	0.00074
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	67562-39-4	year	2.6E-06	0.00043	2.1E-05
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	35822-46-9	year	2.6E-06	0.00043	2.1E-05
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	55673-89-7	year	2.6E-06	0.00043	2.1E-05
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	70648-26-9	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	39227-28-6	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	57117-44-9	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	57653-85-7	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	72918-21-9	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	19408-74-3	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	57117-41-6	year	9.1E-07	0.00015	7.4E-06
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	40321-76-4	year	2.6E-08	4.3E-06	2.1E-07
1,2,3-Trichloropropane	96-18-4	24-hr	0.30	0.022	0.0011
1,2,3-Trimethylbenzene	526-73-8	24-hr	6.0E+01	4.4	0.22
1,2,4-Trimethylbenzene	95-63-6	24-hr	6.0E+01	4.4	0.22
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	year	0.00032	0.052	0.0026
1,2-Dichloropropane (propylene dichloride)	78-87-5	year	0.10	16	0.81
1,2-Dimethylhydrazine	540-73-8	year	6.3E-06	0.0010	5.1E-05
1,2-Diphenylhydrazine (hydrazobenzene)	122-66-7	year	0.0040	0.65	0.032
1,2-Epoxybutane	106-88-7	24-hr	2.0E+01	1.5	0.074
1,3,5-Trimethylbenzene	108-67-8	24-hr	6.0E+01	4.4	0.22
1,3-Butadiene	106-99-0	year	0.033	5.4	0.27
1,3-Dichloropropene	542-75-6	year	0.25	41	2.0
1,3-Propane sultone	1120-71-4	year	0.0014	0.24	0.012
1,4-Dioxane	123-91-1	year	0.20	32	1.6
1,6-Dinitropyrene	42397-64-8	year	5.5E-05	0.0089	0.00045

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1,8-Dinitropyrene	42397-65-9	year	0.00055	0.089	0.0045
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555-84-0	year	0.0020	0.32	0.016
1-Amino-2-methylantraquinone	82-28-0	year	0.023	3.8	0.19
1-Chloro-1,1-difluoroethane	75-68-3	24-hr	5.0E+04	3700	190
1-Nitropyrene	5522-43-0	year	0.0055	0.89	0.045
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	60851-34-5	year	2.6E-07	4.3E-05	2.1E-06
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	57117-31-4	year	9.1E-08	1.5E-05	7.4E-07
2,3,7,8-Tetrachlorodibenzofuran (TcDF)	51207-31-9	year	2.6E-07	4.3E-05	2.1E-06
2,3,7,8-Tetrachlorodibenzo-p-dioxin & Related Compounds, NOS	41903-57-5	year	2.6E-08	4.3E-06	2.1E-07
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	year	2.6E-08	4.3E-06	2.1E-07
2,3-dichloropropene	78-88-6	24-hr	9.2	0.68	0.034
2,4,6-Trichlorophenol	88-06-2	year	0.32	52	2.6
2,4-Diaminoanisole	615-05-4	year	0.15	25	1.2
2,4-Diaminoanisole sulfate	39156-41-7	year	0.27	44	2.2
2,4-Diaminotoluene (2,4-Toluene diamine)	95-80-7	year	0.00091	0.15	0.0074
2,4-Dinitrotoluene	121-14-2	year	0.011	1.8	0.091
2-Acetylaminofluorene	53-96-3	year	0.00046	0.075	0.0038
2-Amino-3-methyl-9H-pyrido[2,3-b]indole	68006-83-7	year	0.0029	0.48	0.024
2-Amino-3-methylimidazo-[4,5-f]quinoline	76180-96-6	year	0.0025	0.41	0.020
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazol	712-68-5	year	0.00022	0.035	0.0018
2-Aminoanthraquinone	117-79-3	year	0.064	1.0E+01	0.52
2-Butanone (methyl ethyl ketone)	78-93-3	24-hr	5.0E+03	370	19
2-Chloroacetophenone	532-27-4	24-hr	0.030	0.0022	0.00011
2-Hexanone	591-78-6	24-hr	3.0E+01	2.2	0.11
2-Methyl-1-nitroanthraquinone	129-15-7	year	0.00083	0.14	0.0068
2-Naphthylamine	91-59-8	year	0.0020	0.32	0.016
2-Nitrofluorene	607-57-8	year	0.055	8.9	0.45
2-Nitropropane	79-46-9	24-hr	2.0E+01	1.5	0.074
3,3'-Dichlorobenzidine	91-94-1	year	0.0029	0.48	0.024
3-Amino-9-ethylcarbazole hydrochloride	6109-97-3	year	0.045	7.4	0.37
3-Chloro-2-methyl-1-propene	563-47-3	year	0.025	4.1	0.20
3-Methylcholanthrene	56-49-5	year	9.6E-05	0.016	0.00078
4,4'-Diaminodiphenyl ether	101-80-4	year	0.025	4.1	0.20
4,4'-Methylene bis(2-chloroaniline) (MOCA)	101-14-4	year	0.0014	0.23	0.011
4,4-Methylene bis(2-methylaniline)	838-88-0	year	0.0038	0.62	0.031
4,4'-Methylene bis(n,n'-dimethyl)aniline	101-61-1	year	0.077	12	0.62
4,4'-Methylenedianiline (& its dichloride)	101-77-9	year	0.0022	0.35	0.018
4,4-Methylenedianiline dihydrochloride	13552-44-8	year	0.0022	0.35	0.018

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4,4-Thiodianiline	139-65-1	year	0.00023	0.038	0.0019
4-Aminobiphenyl	92-67-1	year	0.00017	0.027	0.0014
4-Chloro-o-phenylenediamine	95-83-0	year	0.22	35	1.8
4-Dimethylaminoazobenzene	60-11-7	year	0.00077	0.12	0.0062
4-Nitropyrene	57835-92-4	year	0.0055	0.89	0.045
5-Methylchrysene	3697-24-3	year	0.00055	0.089	0.0045
5-Nitroacenaphthene	602-87-9	year	0.016	2.6	0.13
6-Nitrochrysene	7496-02-8	year	5.5E-05	0.0089	0.00045
7,12-Dimethylbenz[a]anthracene	57-97-6	year	8.5E-06	0.0014	6.9E-05
7H-Dibenzo[c,g]carbazole	194-59-2	year	0.00055	0.089	0.0045
A-alpha-c(2-amino-9h-pyrido[2,3-b]indole)	26148-68-5	year	0.0087	1.4	0.071
Acetaldehyde	75-07-0	year	0.37	6.0E+01	3.0
Acetamide	60-35-5	year	0.050	8.1	0.41
Acetonitrile	75-05-8	24-hr	6.0E+01	4.4	0.22
Acrolein	107-02-8	24-hr	0.35	0.026	0.0013
Acrylamide	79-06-1	year	0.0060	0.98	0.049
Acrylic acid	79-10-7	24-hr	1.0	0.074	0.0037
Acrylonitrile	107-13-1	year	0.0034	0.56	0.028
Actinomycin D	50-76-0	year	4.0E-07	6.5E-05	3.2E-06
Alar (Daminsozide)	1596-84-5	year	0.20	32	1.6
Aldrin	309-00-2	year	0.00020	0.033	0.0017
Allyl chloride	107-05-1	year	0.17	27	1.4
Amitrole	61-82-5	year	0.0037	0.60	0.030
Ammonia	7664-41-7	24-hr	5.0E+02	37	1.9
Ammonium bisulfate	7803-63-6	1-hr	120	0.22	0.011
Aniline	62-53-3	year	0.63	1.0E+02	5.1
Antimony trioxide	1309-64-4	24-hr	0.20	0.015	0.00074
Aramite	140-57-8	year	0.12	19	0.94
Arsenic & inorganic arsenic compounds	7440-38-2	year	0.00030	0.049	0.0025
Arsine	7784-42-1	24-hr	0.015	0.0011	5.6E-05
Asbestos (f/cc)	1332-21-4	year	4.3E-06	0.00071	3.5E-05
Auramine	492-80-8	year	0.0040	0.65	0.032
Azaserine	115-02-6	year	0.00032	0.052	0.0026
Azathioprine	446-86-6	year	0.0020	0.32	0.016
Azobenzene	103-33-3	year	0.032	5.2	0.26
Barium chromate	10294-40-3	year	2.0E-05	0.0032	0.00016
Benz[a]anthracene	56-55-3	year	0.0055	0.89	0.045
Benzene	71-43-2	year	0.13	21	1.0
Benzidine (& its salts)	92-87-5	year	4.3E-06	0.00070	3.5E-05

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Benzo[a]pyrene	50-32-8	year	0.0010	0.16	0.0082
Benzo[b]fluoranthene	205-99-2	year	0.0055	0.89	0.045
Benzo[j]fluoranthene	205-82-3	year	0.0055	0.89	0.045
Benzo[k]fluoranthene	207-08-9	year	0.0055	0.89	0.045
Benzyl chloride	100-44-7	year	0.020	3.3	0.17
Benzyl violet 4B	1694-09-3	year	0.18	28	1.4
Beryllium & compounds (NOS)	7440-41-7	year	0.00042	0.068	0.0034
Beryllium oxide	1304-56-9	year	0.00042	0.068	0.0034
Beryllium sulfate	13510-49-1	year	1.2E-06	0.00019	9.4E-06
beta-Butyrolactone	3068-88-0	year	0.0034	0.56	0.028
beta-Propiolactone	57-57-8	year	0.00025	0.041	0.0020
Bis(2-chloroethyl) ether (DCEE)	111-44-4	year	0.0014	0.23	0.011
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	year	0.42	68	3.4
Bis(chloromethyl) ether	542-88-1	year	7.7E-05	0.012	0.00062
Boron & compounds	7440-42-8	24-hr	3.0E+02	22	1.1
Bromobenzene	108-86-1	24-hr	6.0E+01	4.4	0.22
Bromodichloromethane	75-27-4	year	0.027	4.4	0.22
Bromoform	75-25-2	year	0.91	150	7.4
Bromomethane (Methyl bromide)	74-83-9	24-hr	5.0	0.37	0.019
Butylated hydroxyanisole	25013-16-5	year	18	2800	140
C.I. basic red 9 monohydrochloride	569-61-9	year	0.014	2.3	0.11
Cadmium & compounds	7440-43-9	year	0.00024	0.039	0.0019
Caprolactam	105-60-2	24-hr	2.2	0.16	0.0082
Captafol	2425-06-1	year	0.023	3.8	0.19
Captan	133-06-2	year	1.5	250	12
Carbon disulfide	75-15-0	24-hr	8.0E+02	59	3.0
Carbon monoxide	630-08-0	1-hr	23000	43	1.1
Carbon tetrachloride	56-23-5	year	0.17	27	1.4
Carbonyl sulfide	463-58-1	24-hr	1.0E+01	0.74	0.037
Cerium oxide & cerium compounds	1306-38-3	24-hr	0.90	0.067	0.0033
Chlorambucil	305-03-3	year	7.7E-06	0.0012	6.2E-05
Chlordane	57-74-9	year	0.010	1.6	0.081
Chlordecone	143-50-0	year	0.00022	0.035	0.0018
Chlorendic acid	115-28-6	year	0.038	6.2	0.31
Chlorinated paraffins	108171-26-2	year	0.040	6.5	0.32
Chlorine	7782-50-5	24-hr	0.15	0.011	0.00056
Chlorine dioxide	10049-04-4	24-hr	0.60	0.044	0.0022
Chloroalkanes C10-13 (Chlorinated paraffins)	85535-84-8	year	0.040	6.5	0.32
Chlorobenzene	108-90-7	24-hr	1.0E+03	74	3.7

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Chlorobenzilate (Ethyl-4,4'-dichlorobenzilate)	510-15-6	year	0.032	5.2	0.26
Chlorodifluoromethane (Freon 22)	75-45-6	24-hr	5.0E+04	3700	190
Chloroethane (Ethyl chloride)	75-00-3	24-hr	3.0E+04	2200	110
Chloroform	67-66-3	year	0.043	7.1	0.35
Chloromethane (methyl chloride)	74-87-3	24-hr	9.0E+01	6.7	0.33
Chloromethyl methyl ether (technical grade)	107-30-2	year	0.0014	0.24	0.012
Chloropicrin	76-06-2	24-hr	0.40	0.030	0.0015
Chloroprene	126-99-8	year	0.0020	0.33	0.016
Chlorothalonil	1897-45-6	year	1.1	180	9.1
Chlorozotocin	54749-90-5	year	1.4E-05	0.0024	0.00012
Chromic trioxide	1333-82-0	year	7.7E-06	0.0013	6.3E-05
Chromic(VI) acid	7738-94-5	year	9.1E-06	0.0015	7.4E-05
Chromium (III) insoluble particulates	16065-83-1	24-hr	5.0	0.37	0.019
Chromium hexavalent: soluble, except chromic trioxide	---	year	4.0E-06	0.00065	3.3E-05
Chromium(VI) & compounds	18540-29-9	year	4.0E-06	0.00065	3.3E-05
Chromoum (III) soluble particulates	16065-83-1	24-hr	0.10	0.0074	0.00037
Chrysene	218-01-9	year	0.055	8.9	0.45
Cinnamyl anthranilate	87-29-6	year	0.77	120	6.2
Cobalt	7440-48-4	24-hr	0.10	0.0074	0.00037
Coke oven emissions	---	year	0.00097	0.16	0.0079
Copper & compounds	7440-50-8	1-hr	1.0E+02	0.19	0.0093
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	6.0E+02	44	2.2
Cupferron	135-20-6	year	0.016	2.6	0.13
Cyanide, hydrogen	74-90-8	24-hr	0.80	0.059	0.0030
Cyclohexane	110-82-7	24-hr	6.0E+03	440	22
Cyclophosphamide (anhydrous)	50-18-0	year	0.0059	0.96	0.048
Cyclophosphamide (hydrated)	6055-19-2	year	0.0063	1.0	0.051
D & C red no. 9	5160-02-1	year	0.67	110	5.4
Dacarbazine	4342-03-4	year	7.1E-05	0.012	0.00058
Dantron	117-10-2	year	0.045	7.4	0.37
DDD, 4,4'-	72-54-8	year	0.014	2.4	0.12
DDE, 4,4'-	72-55-9	year	0.010	1.7	0.084
DDT	---	year	0.010	1.7	0.084
Diazinon	333-41-5	24-hr	1.0E+01	0.74	0.037
Dibenz[a,h]acridine	226-36-8	year	0.0055	0.89	0.045
Dibenz[a,h]anthracene	53-70-3	year	0.00050	0.082	0.0041
Dibenz[a,j]acridine	224-42-0	year	0.0055	0.89	0.045
Dibenzo[a,e]pyrene	192-65-4	year	0.00055	0.089	0.0045

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Dibenzo[a,h]pyrene	189-64-0	year	5.5E-05	0.0089	0.00045
Dibenzo[a,i]pyrene	189-55-9	year	5.5E-05	0.0089	0.00045
Dibenzo[a,l]pyrene	191-30-0	year	5.5E-05	0.0089	0.00045
Dichloromethane (methylene chloride)	75-09-2	year	6.0E+01	9800	490
Dichlorovos (DDVP)	62-73-7	year	0.012	2.0	0.098
Dieldrin	60-57-1	year	0.00022	0.035	0.0018
Diesel engine exhaust, particulate	---	year	0.0033	0.54	0.027
Diethanolamine	111-42-2	24-hr	3.0	0.22	0.011
Diethyl mercury	627-44-1	24-hr	0.14	0.010	0.00052
Diethylstilbestrol	56-53-1	year	1.0E-05	0.0016	8.1E-05
Diglycidyl resorcinol ether	101-90-6	year	0.0020	0.33	0.017
Dihydrosafrole	94-58-6	year	0.077	12	0.62
Dimethyl carbamoyl chloride	79-44-7	year	0.00027	0.044	0.0022
Dimethyl formamide	68-12-2	24-hr	8.0E+01	5.9	0.30
Dimethylvinylchloride	513-37-1	year	0.077	12	0.62
Direct black 38	1937-37-7	year	0.00048	0.077	0.0039
Direct blue 6	2602-46-2	year	0.00048	0.077	0.0039
Direct brown 95 (technical grade)	16071-86-6	year	0.00053	0.085	0.0043
Disperse blue 1	2475-45-8	year	0.77	120	6.2
Disulfoton	298-04-4	24-hr	0.20	0.015	0.00074
Epichlorohydrin	106-89-8	year	0.043	7.1	0.35
Estradiol 17B	50-28-2	year	9.1E-05	0.015	0.00074
Ethyl benzene	100-41-4	year	0.40	65	3.2
Ethylene dibromide (EDB, 1,2-Dibromoethane)	106-93-4	year	0.0017	0.27	0.014
Ethylene dichloride (EDC, 1,2-Dichloroethane)	107-06-2	year	0.038	6.2	0.31
Ethylene glycol	107-21-1	24-hr	400	3.0E+01	1.5
Ethylene glycol monobutyl ether (2-Butoxyethanol)	111-76-2	24-hr	82	6.1	0.30
Ethylene glycol monoethyl ether (2-Ethoxyethanol)	110-80-5	24-hr	7.0E+01	5.2	0.26
Ethylene glycol monoethyl ether acetate	111-15-9	24-hr	3.0E+02	22	1.1
Ethylene glycol monomethyl ether (2-Methoxyethanol)	109-86-4	24-hr	6.0E+01	4.4	0.22
Ethylene glycol monomethyl ether acetate	110-49-6	24-hr	9.0E+01	6.7	0.33
Ethylene oxide	75-21-8	year	0.00020	0.033	0.0016
Ethylene thiourea	96-45-7	year	0.077	12	0.62
Ethyleneimine (aziridine)	151-56-4	year	5.3E-05	0.0085	0.00043
Ferric Sulfate	10028-22-5	1-hr	120	0.22	0.011
Fluorides	---	24-hr	13	0.96	0.048
Fluorine gas	7782-41-4	24-hr	16	1.2	0.059

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Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
Formaldehyde	50-00-0	year	0.17	27	1.4
Furmecyclox	60568-05-0	year	0.12	19	0.94
Furylfuramide	3688-53-7	year	0.014	2.4	0.12
Glu-P-1	67730-11-4	year	0.00071	0.12	0.0058
Glu-P-2	67730-10-3	year	0.0025	0.41	0.020
Glutaraldehyde	111-30-8	24-hr	0.080	0.0059	0.00030
Guthion (azinphos-methyl)	86-50-0	24-hr	1.0E+01	0.74	0.037
Gyromitrin	16568-02-8	year	0.00034	0.056	0.0028
HC Blue 1	2784-94-3	year	0.067	11	0.54
Heptachlor	76-44-8	year	0.00077	0.12	0.0062
Heptachlor epoxide	1024-57-3	year	0.00038	0.062	0.0031
Hexachlorobenzene	118-74-1	year	0.0022	0.35	0.018
Hexachlorobutadiene	87-68-3	year	0.045	7.4	0.37
Hexachlorocyclohexane, alpha-	319-84-6	year	0.0013	0.21	0.011
Hexachlorocyclohexane, beta-	319-85-7	year	0.0023	0.38	0.019
Hexachlorocyclohexane, gamma- (Lindane)	58-89-9	year	0.0032	0.52	0.026
Hexachlorocyclohexane	608-73-1	year	0.00091	0.15	0.0074
Hexachlorocyclopentadiene	77-47-4	24-hr	0.20	0.015	0.00074
Hexachloroethane	67-72-1	year	0.091	15	0.74
Hexamethylene-1,6-diisocyanate	822-06-0	24-hr	0.070	0.0052	0.00026
Hexane	110-54-3	24-hr	7.0E+02	52	2.6
Hydrazine	302-01-2	year	0.00020	0.033	0.0017
Hydrazine sulfate	10034-93-2	year	0.0012	0.19	0.0094
Hydrochloric acid	7647-01-0	24-hr	9.0	0.67	0.033
Hydrogen fluoride	7664-39-3	24-hr	14	1.0	0.052
Hydrogen sulfide	7783-06-4	24-hr	2.0	0.15	0.0074
Indeno[1,2,3-cd]pyrene	193-39-5	year	0.0055	0.89	0.045
Isophorone	78-59-1	24-hr	2.0E+03	150	7.4
Isopropyl alcohol	67-63-0	24-hr	7.0E+03	520	26
Isopropylbenzene (cumene)	98-82-8	24-hr	400	3.0E+01	1.5
Lasiocarpine	303-34-4	year	0.00045	0.074	0.0037
Lead Acetate	301-04-2	year	0.013	2.0	0.10
Lead & compounds (NOS)	7439-92-1	year	0.083	14	10
Lead chromate oxide	18454-12-1	year	4.2E-05	0.0069	0.00034
Lead chromate	7758-97-6	year	2.5E-05	0.0041	0.00020
Lead phosphate	7446-27-7	year	0.083	14	0.68
Lead subacetate	1335-32-6	year	0.091	15	0.74
Libby amphibole asbestos (f/cc)	---	year	5.9E-06	0.00096	4.8E-05
Maleic anhydride	108-31-6	24-hr	0.70	0.052	0.0026

WAC 173-460-150 Draft Table of ASIL, SQER and de minimis emission values.

Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
Manganese & compounds	7439-96-5	24-hr	0.30	0.022	0.0011
m-Cresol	108-39-4	24-hr	6.0E+02	44	2.2
Melphalan	148-82-3	year	2.7E-05	0.0044	0.00022
Melphalan HCl	3223-07-2	year	2.7E-05	0.0044	0.00022
Mercury	7439-97-6	24-hr	0.030	0.0022	0.00011
Methanol	67-56-1	24-hr	2.0E+04	1500	74
Methyl isobutyl ketone (MIBK, hexone)	108-10-1	24-hr	3.0E+03	220	11
Methyl isocyanate	624-83-9	24-hr	1.0	0.074	0.0037
Methyl mercury (dimethylmercury)	593-74-8	24-hr	0.14	0.010	0.00052
Methyl methacrylate	80-62-6	24-hr	7.0E+02	52	2.6
Methyl methanesulfonate	66-27-3	year	0.036	5.8	0.29
Methyl tert-butyl ether	1634-04-4	year	3.8	620	31
Methylene diphenyl diisocyanate (MDI)	101-68-8	24-hr	0.080	0.0059	0.00030
Methylthiouracil	56-04-2	year	0.0091	1.5	0.074
Michler's ketone	90-94-8	year	0.0040	0.65	0.032
Mirex	2385-85-5	year	0.00020	0.032	0.0016
Mitomycin C	50-07-7	year	4.3E-07	7.1E-05	3.5E-06
Monocrotaline	315-22-0	year	0.00034	0.056	0.0028
m-Xylene	108-38-3	24-hr	220	16	0.82
n-[4-(5-nitro-2-furyl)-2-thiazolyl]-acetamide (aka furathiazole)	531-82-8	year	0.0023	0.38	0.019
Naphthalene	91-20-3	year	0.029	4.8	0.24
Nickel & compounds	7440-02-0	year	0.0038	0.62	0.031
Nickel acetate	373-02-4	year	0.012	1.9	0.094
Nickel carbonate	3333-67-3	year	0.0078	1.3	0.063
Nickel carbonate hydroxide	1346-39-3	year	0.0066	1.1	0.054
Nickel carbonyl	13463-39-3	year	0.011	1.8	0.091
Nickel chloride	7718-54-9	year	0.0085	1.4	0.069
Nickel hydroxide	12054-48-7	year	0.0061	0.99	0.049
Nickel nitrate hexahydrate	13478-00-7	year	0.019	3.1	0.15
Nickel oxide	1313-99-1	year	0.0049	0.79	0.040
Nickel oxide black	---	year	0.0054	0.88	0.044
Nickel refinery dust	---	year	0.0042	0.68	0.034
Nickel subsulfide	12035-72-2	year	0.0021	0.34	0.017
Nickel sulfate	7786-81-4	year	0.010	1.6	0.082
Nickel sulfate hexahydrate	10101-97-0	year	0.017	2.8	0.14
Nickel sulfide	11113-75-0	year	0.0060	0.97	0.048
Nickelocene	1271-28-9	year	0.012	2.0	0.10
Nifurthiazole	3570-75-0	year	0.0015	0.25	0.012

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Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
Nitric acid	7697-37-2	1-hr	86	0.16	0.0080
Nitrilotriacetic acid	139-13-9	year	0.67	110	5.4
Nitrilotriacetic acid, trisodium salt monohydrate	18662-53-8	year	0.34	56	2.8
Nitrobenzene	98-95-3	year	0.025	4.1	0.20
Nitrofen	1836-75-5	year	0.043	7.1	0.35
Nitrofurazone	59-87-0	year	0.0027	0.44	0.022
Nitrogen dioxide	10102-44-0	1-hr	470	0.87	0.460
n-Methyl-n-nitro-n-nitrosoguanidine	70-25-7	year	0.00042	0.068	0.0034
N-Nitrosodiethanolamine	1116-54-7	year	0.0013	0.20	0.010
N-Nitrosodiethylamine	55-18-5	year	6.0E-05	0.010	0.00049
N-Nitrosodimethylamine	62-75-9	year	0.00013	0.021	0.0011
N-Nitrosodi-n-butylamine	924-16-3	year	0.00032	0.052	0.0026
N-Nitrosodi-n-propylamine	621-64-7	year	0.00050	0.081	0.0041
N-Nitrosodiphenylamine	86-30-6	year	0.38	62	3.1
N-Nitrosomethylethylamine	10595-95-6	year	0.00016	0.026	0.0013
N-Nitrosomorpholine	59-89-2	year	0.00053	0.085	0.0043
n-Nitroso-n-ethylurea	759-73-9	year	7.8E-05	0.013	0.00064
N-Nitroso-n-methylurea	684-93-5	year	1.8E-05	0.0029	0.00014
n-Nitroso-n-methylurethane	615-53-2	year	3.2E-05	0.0052	0.00026
n-Nitrosornicotine	16543-55-8	year	0.0025	0.41	0.020
N-Nitrosopiperidine	100-75-4	year	0.00037	0.060	0.0030
N-Nitrosopyrrolidine	930-55-2	year	0.0017	0.27	0.014
o-Anisidine	90-04-0	year	0.025	4.1	0.20
o-Anisidine hydrochloride	134-29-2	year	0.032	5.2	0.26
o-Cresol	95-48-7	24-hr	6.0E+02	44	2.2
Oleum	8014-95-7	1-hr	120	0.22	0.011
o-Phenylphenate, sodium	132-27-4	year	1.2	190	9.4
ortho-Aminoazotoluene	97-56-3	year	0.00091	0.15	0.0074
o-Toluidine	95-53-4	year	0.020	3.2	0.16
o-Toluidine hydrochloride	636-21-5	year	0.027	4.4	0.22
o-Xylene	95-47-6	24-hr	220	16	0.82
Ozone	10028-15-6	1-hr	180	0.33	0.017
Parathion	56-38-2	24-hr	2.0E-05	1.5E-06	7.4E-08
PCB 105 [2,3,3',4,4'-pentachlorobiphenyl]	32598-14-4	year	0.00091	0.15	0.0074
PCB 114 [2,3,4,4',5-pentachlorobiphenyl]	74472-37-0	year	0.00091	0.15	0.0074
PCB 118 [2,3',4,4',5-pentachlorobiphenyl]	31508-00-6	year	0.00091	0.15	0.0074
PCB 123 [2,3',4,4',5'-pentachlorobiphenyl]	65510-44-3	year	0.00091	0.15	0.0074
PCB 126 [3,3',4,4',5-pentachlorobiphenyl]	57465-28-8	year	2.6E-07	4.3E-05	2.1E-06
PCB 156 [2,3,3',4,4',5-hexachlorobiphenyl]	38380-08-4	year	0.00091	0.15	0.0074

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Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
PCB 157 [2,3,3',4,4',5'-hexachlorobiphenyl]	69782-90-7	year	0.00091	0.15	0.0074
PCB 167 [2,3',4,4',5,5'-hexachlorobiphenyl]	52663-72-6	year	0.00091	0.15	0.0074
PCB 169 [3,3',4,4',5,5'-hexachlorobiphenyl]	32774-16-6	year	9.1E-07	0.00015	7.4E-06
PCB 189 [2,3,3',4,4',5,5'-heptachlorobiphenyl]	39635-31-9	year	0.00091	0.15	0.0074
PCB 77 [3,3',4,4'-tetrachlorobiphenyl]	32598-13-3	year	0.00026	0.043	0.0021
PCB 81 [3,4,4',5-tetrachlorobiphenyl]	70362-50-4	year	9.1E-05	0.015	0.00074
p-Chloro-o-toluidine	95-69-2	year	0.013	2.1	0.11
p-Cresidine	120-71-8	year	0.023	3.8	0.19
p-Cresol	106-44-5	24-hr	6.0E+02	44	2.2
p-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	year	0.091	15	0.74
Pentachlorophenol	87-86-5	year	0.22	35	1.8
Phenacetin	62-44-2	year	1.6	260	13
Phenazopyridine	94-78-0	year	0.020	3.3	0.17
Phenazopyridine hydrochloride	136-40-3	year	0.023	3.8	0.19
Phenesterin	3546-10-9	year	2.3E-05	0.0038	0.00019
Phenobarbital	50-06-6	year	0.0077	1.2	0.062
Phenol	108-95-2	24-hr	2.0E+02	15	0.74
Phenoxybenzamine	59-96-1	year	0.0011	0.18	0.0091
Phenoxybenzamine hydrochloride	63-92-3	year	0.0013	0.21	0.011
Phosgene	75-44-5	24-hr	0.30	0.022	0.0011
Phosphine	7803-51-2	24-hr	0.80	0.059	0.0030
Phosphoric acid	7664-38-2	24-hr	7.0	0.52	0.026
Phosphorus	7723-14-0	24-hr	2.0E+01	1.5	0.074
Phosphorus, white	12185-10-3	24-hr	2.0E+01	1.5	0.074
Phthalic anhydride	85-44-9	24-hr	2.0E+01	1.5	0.074
p-Nitrosodiphenylamine	156-10-5	year	0.16	26	1.3
Polybrominated diphenyl ethers (PBDEs) [Containing less than 10 bromine atoms]	---	24-hr	6.0	0.44	0.022
Polybrominated diphenyls	---	year	0.00012	0.019	0.00094
Polychlorinated biphenyls (PCBs)	1336-36-3	year	0.0018	0.28	0.014
Ponceau 3R	3564-09-8	year	0.22	35	1.8
Ponceau MX	3761-53-3	year	0.77	120	6.2
Potassium bromate	7758-01-2	year	0.0071	1.2	0.058
Procarbazine	671-16-9	year	0.00025	0.041	0.0020
Procarbazine hydrochloride	366-70-1	year	0.00029	0.048	0.0024
Propionaldehyde	123-38-6	24-hr	8.0	0.59	0.030
Propylene	115-07-1	24-hr	3.0E+03	220	11
Propylene glycol	57-55-6	24-hr	28	2.1	0.11
Propylene glycol dinitrate	6423-43-4	24-hr	0.28	0.021	0.0010

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Propylene glycol monomethyl ether	107-98-2	24-hr	7.0E+03	520	26
Propylene oxide	75-56-9	year	0.27	44	2.2
Propylthiouracil	51-52-5	year	0.0034	0.56	0.028
p-Xylene	106-42-3	24-hr	220	16	0.82
Refractory Ceramic Fibers (f/cc)	---	24-hr	0.030	0.0022	0.00011
Reserpine	50-55-5	year	0.00032	0.052	0.0026
Safrole	94-59-7	year	0.0096	1.6	0.078
Selenide, hydrogen	7783-07-5	1-hr	5.0	0.0093	0.00046
Selenium & selenium compounds (other than hydrogen selenide)	7782-49-2	24-hr	2.0E+01	1.5	0.074
Selenium sulfide	7446-34-6	24-hr	2.0E+01	1.5	0.074
Silica, crystalline (respirable)	7631-86-9	24-hr	3.0	0.22	0.011
Sodium hydroxide	1310-73-2	1-hr	8.0	0.015	0.00074
Sodium sulfate	7757-82-6	1-hr	120	0.22	0.011
Sterigmatocystin	10048-13-2	year	0.00010	0.016	0.00081
Streptozotocin	18883-66-4	year	3.2E-05	0.0052	0.00026
Styrene	100-42-5	24-hr	870	65	3.2
Styrene oxide	96-09-3	year	0.022	3.5	0.18
Sulfallate	95-06-7	year	0.019	3.0	0.15
Sulfur dioxide	7446-09-5	1-hr	660	1.2	0.460
Sulfur mustard	505-60-2	24-hr	0.020	0.0015	7.4E-05
Sulfur trioxide	7446-71-9	1-hr	120	0.22	0.011
Sulfuric acid	7664-93-9	24-hr	1.0	0.074	0.0037
Tertiary-butyl acetate	540-88-5	year	0.77	120	6.2
Tetrachloroethene (perchloroethylene)	127-18-4	year	0.16	27	1.3
Tetrahydrofuran	109-99-9	24-hr	2.0E+03	150	7.4
Thioacetamide	62-55-5	year	0.00059	0.10	0.0048
Thiourea	62-56-6	year	0.048	7.7	0.39
Titanium tetrachloride	7550-45-0	24-hr	0.10	0.0074	0.00037
Toluene	108-88-3	24-hr	5.0E+03	370	19
Toluene diisocyanates (2,4- & 2,6-)	26471-62-5	year	0.091	15	0.74
Toluene-2,4-diisocyanate	584-84-9	year	0.091	15	0.74
Toluene-2,6-diisocyanate	91-08-7	year	0.091	15	0.74
Total Heptachlorodibenzo-p-dioxin	37871-00-4	year	2.6E-06	0.00043	2.1E-05
Total Hexachlorodibenzo-p-dioxin	34465-46-8	year	2.6E-07	4.3E-05	2.1E-06
Toxaphene (polychlorinated camphenes)	8001-35-2	year	0.0029	0.48	0.024
trans-1,2-dichloroethene	156-60-5	24-hr	810	6.0E+01	3.0
Trans-2[[dimethylamino)-methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole	55738-54-0	year	0.0077	1.2	0.062

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Common name*	CAS #	Draft Averaging Period	Draft ASIL ($\mu\text{g}/\text{m}^3$)	Draft SQER (lb/averaging period)	Draft De Minimis (lb/averaging period)
Trichloroethene (TCE, trichloroethylene)	79-01-6	year	0.21	34	1.7
Triethylamine	121-44-8	24-hr	2.0E+02	15	0.74
Tris-(1-Aziridinyl)phosphine sulfide	52-24-4	year	0.00029	0.048	0.0024
Tris(2,3-dibromopropyl)phosphate	126-72-7	year	0.0015	0.25	0.012
Tryptophan-P-1	62450-06-0	year	0.00014	0.022	0.0011
Tryptophan-P-2	62450-07-1	year	0.0011	0.18	0.0089
Uranium, insoluble compounds	7440-61-1	24-hr	0.80	0.059	0.0030
Uranium, soluble salts	7440-61-1	24-hr	0.040	0.0030	0.00015
Urethane (ethyl carbamate)	51-79-6	year	0.0021	0.34	0.017
Vanadium (fume or dust)	7440-62-2	24-hr	0.10	0.0074	0.00037
Vanadium pentoxide	1314-62-1	1-hr	3.0E+01	0.056	0.0028
Vinyl acetate	108-05-4	24-hr	2.0E+02	15	0.74
Vinyl bromide	593-60-2	24-hr	3.0	0.22	0.011
Vinyl chloride	75-01-4	year	0.11	18	0.92
Vinylidene chloride (1,1-DCE)	75-35-4	24-hr	2.0E+02	15	0.74
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	220	16	0.82

*Notes on table

- Excluded chemicals. The table continues the 2009 decision to exclude acetone, malathion, kerosene, fuel oil No. 2, JP-4, and JP-7. Similarly, JP-5 and JP-8 will not be added to the list (ATSDR developed MRLs for these fuels in 2017). Refer to the 3-4-2019 Recommendations Memorandum for more information.
- PAHs. We calculated ASILs for carcinogenic PAHs based on OEHHA unit risk factors for all PAHs except benzo(a)pyrene. We applied the EPA URF because it is the most recent value. Toxic equivalence of mixtures will not be calculated. See 3-4-2019 Recommendations Memorandum for more information.
- Converting ATSDR minimum risk levels (MRLs) from ppb to micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). For ASILs based on ATSDR MRLs with concentration units in ppb, we converted to $\mu\text{g}/\text{m}^3$ assuming a temperature of 20 C at 1 atmosphere pressure. See 3-4-2019 Recommendations Memorandum for more information.
- 2-significant digits. ASILs, SQERs, and de minimis values are rounded to 2-significant digits. Note that this practice will yield some de minimis values that are not exactly equal to the SQER/20.
- PBDEs. The table clarifies that the polybrominated diphenyl ethers (PBDEs) of concern are those containing less than 10 bromine atoms. We removed pentabromodiphenyl ether and tetrabromodiphenyl ether because the new ASIL more broadly covers “lower brominated” PBDEs.
- Deleted chemicals. Seven existing TAPs were removed from the list:
 - ammonium sulfate (CAS 7783-20-2) – based on review of petition from Far West Agribusiness Association

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- chromic acid aerosol mist (CAS 18540-29-9) – redundant with Chromium (VI) & compounds (CAS 18540-29-9)
- chromic acid (CAS 11115-74-5) – replaced by Chromic (VI) Acid (CAS7738-94-5)
- 5-nitro-o-anisidine (CAS 99-59-2) – delisted by California
- dibromochloromethane (CAS 124-48-1) – delisted by California
- pentabromodiphenyl ether (CAS 32534-81-9) – replaced by broader “polybrominated diphenyl ethers (PBDEs) [Containing < 10 bromine atoms]” listing
- tetrabromodiphenyl ether (CAS 40088-47-9) – replaced by broader “polybrominated diphenyl ethers (PBDEs) [Containing < 10 bromine atoms]” listing

See 2-14-2019 Recommendations Memorandum for more information.

- Dimethyl and diethyl mercury. Previously, we set the ASIL for these chemicals at a level that any amount of increase would trigger a review. We revised the ASILs for these chemicals after consideration of available toxicity information.
- Criteria pollutant de minimis emission values. The de minimis emission values for the criteria pollutants nitrogen dioxide, sulfur dioxide, carbon monoxide, and lead and compounds (NOS) use the existing values with the application of two significant digits to maintain consistency with the threshold values in WAC 173-400-110(5). See 2-14-2019 Recommendations Memorandum for more information.
- Toxicity equivalence. We removed the scaled factors for toxicity equivalence and applied the California OEHHA unit risk factor (URF). See 3-4-2019 Recommendations Memorandum for more information.
- STP (standard temperature and pressure). We applied the STP value used to establish the current ASIL table of 20 degrees instead of 25 degrees at 1 atmosphere pressure to convert the ATSDR minimum risk level (MRL) from parts-per-billion (PPB) to micrograms per meter cubed ($\mu\text{g}/\text{m}^3$). See 3-4-2019 Recommendations Memorandum for more information.