

AMENDATORY SECTION (Amending WSR 09-11-131, filed 5/20/09, effective 6/20/09)

WAC 173-460-040 New source review. (1) Applicability and exemptions. This chapter supplements the new source review requirements of WAC 173-400-110 by adding review requirements for new and modified toxic air pollutant sources. An action that is exempt from new source review under WAC 173-400-110 (4) or (5) is exempt under this chapter as well, except that a local air authority may adopt its own list of exemptions in accordance with RCW 70.94.331 (2)(b) to operate in lieu of or in addition to the exemptions in WAC 173-400-110 (4) and (5). An action that requires a notice of construction application under WAC 173-400-110 is subject to the review requirements of this chapter, unless the emissions before control equipment of each (~~toxic air pollutant~~) TAP (rounded to two significant digits) from a new source or the increase in emissions from each modification is less than the applicable de minimis emission threshold for that TAP listed in WAC 173-460-150.

(2) New source review of a modification is limited to the emission unit or units proposed to be modified and the TAPs whose emissions would increase as a result of the modification.

(3) The permitting authority that is reviewing a notice of construction application for a new or modified toxic air pollutant source must ensure that:

(a) The new or modified emission units use tBACT for emissions control for the (~~toxic air pollutants~~) TAPs with emission increases that trigger the need to submit a notice of construction application; and

(b) The new or modified emission units comply with WAC 173-460-070 as demonstrated by using the procedures established in WAC 173-460-080 or, failing that, demonstrates compliance by using the additional procedures in WAC 173-460-090 and/or 173-460-100.

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WAC 173-460-080 First tier review. (1) A notice of construction application for a new or modified toxic air pollutant source must include an acceptable source impact level analysis for each TAP emitted by the new or modified emission units with an emission increase greater than the de minimis emission level specified in WAC 173-460-150. The permitting authority may complete this analysis.

(2) The acceptable source impact analysis requirement of WAC 173-460-070 can be satisfied for any TAP using either dispersion modeling or the small quantity emission rate.

(a) Dispersion modeling. The applicant who relies on dispersion modeling must model the increase in the emissions of each TAP emitted by the new or modified emission units, after application of tBACT. The notice of construction application must demonstrate that the modeled ambient impact (rounded to two significant digits) of the aggregate emissions increase of each TAP does not exceed the ASIL for that TAP as listed in WAC 173-460-150. If concentrations predicted by dispersion screening models exceed applicable acceptable source impact lev-

els, more refined modeling and/or emission techniques must be used. Refined modeling techniques must be approved by the permitting authority.

(b) Small quantity emission rates. An applicant may show for any TAP that the increase in emissions of that TAP (rounded to two significant digits), after application of tBACT, is less than the small quantity emission rate listed for that TAP in WAC 173-460-150.

(3) Reduction of TAPs from existing emission units. An applicant may include in ((a)) an acceptable source impact analysis proposed reductions in actual emissions of a particular TAP from emission units at the source that are not new or modified for the purpose of offsetting emissions of that TAP caused by the new or modified source. The reductions in TAP emissions authorized by this subsection must be included in the approval order as enforceable emission limits and must meet all the requirements of WAC 173-460-071.

(4) Decision criteria.

(a) If the permitting authority finds that the modeled impact of the increase in emissions of a TAP from the new or modified emission units does not exceed the ASIL for that TAP then the authority may approve the notice of construction application.

(b) If the permitting authority finds that the modeled impact of the increase in emissions of a TAP from the new or modified emission units exceeds the ASIL for that TAP then the permitting authority may not approve the project. The applicant may file a second tier review application in compliance with WAC 173-460-090.

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WAC 173-460-150 Table of ASIL, SQER and de minimis emission values. The following table lists the common name of (~~toxic air pollutants~~) TAPs, the chemical abstract service (CAS) number; the averaging period; the acceptable source impact level (ASIL); the small quantity emission rate (SQER); and de minimis emission value(~~(s)~~).

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
((1,1,1,2-Tetrachloroethane	630-20-6	year	0.135	25.9	1.3
1,1,1,2-Tetrafluoroethane	811-97-2	24-hr	8.00E+04	10500	526
1,1,1-Trichloroethane	71-55-6	24-hr	1000	131	6.57
1,1,2,2-Tetrachloroethane	79-34-5	year	0.0172	3.3	0.165
1,1,2-Trichloroethane	79-00-5	year	0.0625	12	0.6
1,1-Dichloroethane	75-34-3	year	0.625	120	6
1,1-Dichloroethylene	75-35-4	24-hr	200	26.3	1.31
1,1-Difluoroethane	75-37-6	24-hr	4.00E+04	5260	263
1,1-Dimethylhydrazine	57-14-7	24-hr	0.5	0.0657	0.00329
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	year	0.000263	0.0505	0.00252
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-Dioxin	3268-87-9	year	0.000263	0.0505	0.00252
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	year	2.63E-06	0.000505	2.52E-05
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	year	2.63E-06	0.000505	2.52E-05
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	year	2.63E-06	0.000505	2.52E-05
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	year	2.63E-07	5.05E-05	2.52E-06
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	year	2.63E-07	5.05E-05	2.52E-06

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	year	2.63E-07	5.05E-05	2.52E-06
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	year	2.63E-07	5.05E-05	2.52E-06
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	year	2.63E-07	5.05E-05	2.52E-06
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	year	2.63E-07	5.05E-05	2.52E-06
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	year	5.26E-07	0.000101	5.05E-06
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	year	2.63E-08	5.05E-06	2.52E-07
1,2,3-Trichloropropane	96-18-4	24-hr	1.84	0.242	0.0121
1,2-Dibromo-3-chloropropane	96-12-8	year	0.000526	0.101	0.00505
1,2-Dibromoethane	106-93-4	year	0.0141	2.71	0.135
1,2-Dichloroethane	107-06-2	year	0.0385	7.39	0.369
1,2-Dichloropropane	78-87-5	year	0.1	19.2	0.959
1,2-Dimethylhydrazine	540-73-8	year	6.25E-06	0.0012	6.00E-05
1,2-Diphenylhydrazine	122-66-7	year	0.004	0.768	0.0384
1,2-Epoxybutane	106-88-7	24-hr	20	2.63	0.131
1,3-Butadiene	106-99-0	year	0.00588	1.13	0.0564
1,3-Dichloropropene	542-75-6	year	0.0625	12	0.6
1,3-Propane Sulfone	1120-71-4	year	0.00145	0.278	0.0139
1,4-Dichlorobenzene	106-46-7	year	0.0909	17.4	0.872
1,4-Dioxane	123-91-1	year	0.13	24.9	1.25
1,6-Dinitropyrene	42397-64-8	year	9.09E-05	0.0174	0.000872
1,6-Hexamethylene diisocyanate	822-06-0	24-hr	0.07	0.00920	0.000460
1,8-Dinitropyrene	42397-65-9	year	0.000909	0.174	0.00872
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555-84-0	year	0.00196	0.376	0.0188
1-Amino-2-methylantraquinone	82-28-0	year	0.0233	4.47	0.224
1-Chloro-1,1-difluoroethane	75-68-3	24-hr	5.00E+04	6570	329
1-Nitropyrene	5522-43-0	year	0.00909	1.74	0.0872
2,3,3',4,4',5'-Hexachlorobiphenyl	69782-90-7	year	5.26E-05	0.0101	0.000505
2,3,3',4,4',5'-Hexachlorobiphenyl	38380-08-4	year	5.26E-05	0.0101	0.000505
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	year	0.000263	0.0505	0.00252
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	year	0.000263	0.0505	0.00252
2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	year	0.000263	0.0505	0.00252
2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	year	0.000263	0.0505	0.00252
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	year	5.26E-05	0.0101	0.000505
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	year	2.63E-07	5.05E-05	2.52E-06
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	year	5.26E-08	1.01E-05	5.05E-07
2,3,7,8-Tetrachlorodibenzo-p-dioxin & Related Compounds, NOS	—	year	2.63E-08	5.05E-06	2.52E-07
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	year	2.63E-07	5.05E-05	2.52E-06
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	year	2.63E-08	5.05E-06	2.52E-07
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	year	0.000263	0.0505	0.00252
2,4,6-Trichlorophenol	88-06-2	year	0.05	9.59	0.48
2,4-Diaminoanisole	615-05-4	year	0.152	29.2	1.46
2,4-Diaminoanisole Sulfate	39156-41-7	year	0.27	51.8	2.59
2,4-Diaminotoluene	95-80-7	year	0.000909	0.174	0.00872
2,4-Dinitrotoluene	121-14-2	year	0.0112	2.15	0.107
2-Acetylaminofluorene	53-96-3	year	0.000769	0.148	0.00738
2-Amino-3-methyl-9H-pyrido[2,3-b]indole	68006-83-7	year	0.00294	0.564	0.0282
2-Amino-3-methylimidazo-[4,5-f]quinoline	76180-96-6	year	0.0025	0.48	0.024
2-Amino-5-(5-Nitro-2-Furyl)-1,3,4-Thiadiazol	712-68-5	year	0.000217	0.0416	0.00208
2-Aminoanthraquinone	117-79-3	year	0.106	20.3	1.02
2-Chloroacetophenone	532-27-4	24-hr	0.03	0.00394	0.000197
2-Ethoxyethanol	110-80-5	24-hr	70	9.20	0.460

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
2-Methoxyethanol	109-86-4	24-hr	60	7.89	0.394
2-Methyl-1-nitroanthraquinone	129-15-7	year	0.000833	0.16	0.00799
2-Methylphenol	95-48-7	24-hr	600	78.9	3.94
2-Naphthylamine	91-59-8	year	0.00196	0.376	0.0188
2-Nitrofluorene	607-57-8	year	0.0909	17.4	0.872
2-Nitropropane	79-46-9	24-hr	20	2.63	0.131
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	year	0.000263	0.0505	0.00252
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	year	2.63E-07	5.05E-05	2.52E-06
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	year	0.000263	0.0505	0.00252
3,3'-Dichlorobenzidine	91-94-1	year	0.00294	0.564	0.0282
3,4,4',5-Tetrachlorobiphenyl	70362-50-4	year	0.000263	0.0505	0.00252
3-Amino-9-ethylcarbazole-hydrochloride	6109-97-3	year	0.0455	8.73	0.437
3-Chloro-2-methyl-propene	563-47-3	year	0.025	4.8	0.24
3-Methylcholanthrene	56-49-5	year	0.000159	0.0305	0.00153
3-Methylphenol	108-39-4	24-hr	600	78.9	3.94
4,4'-Diaminodiphenyl Ether	101-80-4	year	0.025	4.8	0.24
4,4-Methylene-bis(2-chloroaniline)	101-14-4	year	0.00233	0.447	0.0224
4,4-Methylene-bis(2-Methylaniline)	838-88-0	year	0.00385	0.739	0.0369
4,4'-Methylene bis(n,n'-dimethyl)aniline	101-61-1	year	0.0769	14.8	0.738
4,4'-Methylenedianiline	101-77-9	year	0.00217	0.416	0.0208
4,4-Methylenedianiline-Dihydrochloride	13552-44-8	year	0.00294	0.564	0.0282
4,4-Thiodianiline	139-65-1	year	0.000233	0.0447	0.00224
4-Aminobiphenyl	92-67-1	year	0.000167	0.032	0.0016
4-Chloro-o-phenylenediamine	95-83-0	year	0.217	41.6	2.08
4-Dimethylaminoazobenzene	60-11-7	year	7.69E+04	1.48E+07	7.38E+05
4-Methylphenol	106-44-5	24-hr	600	78.9	3.94
4-Nitropyrene	57835-92-4	year	0.00909	1.74	0.0872
5-Methylchrysene	3697-24-3	year	0.000909	0.174	0.00872
5-Nitroacenaphthene	602-87-9	year	0.027	5.18	0.259
5-Nitro-o-Anisidine	99-59-2	year	0.0714	13.7	0.685
6-Nitrochrysene	7496-02-8	year	9.09E-05	0.0174	0.000872
7,12-Dimethylbenz[a]anthracene	57-97-6	year	1.41E-05	0.00271	0.000135
7h-Dibenzo[e,g]carbazole	194-59-2	year	0.000909	0.174	0.00872
A-alpha-c(2-amino-9h-pyrido[2,3-b]indole)	26148-68-5	year	0.00877	1.68	0.0841
Acetaldehyde	75-07-0	year	0.37	71	3.55
Acetamide	60-35-5	year	0.05	9.59	0.48
Acetonitrile	75-05-8	year	60	1.15E+04	576
Aerolein	107-02-8	24-hr	0.06	0.00789	0.000394
Acrylamide	79-06-1	year	0.000769	0.148	0.00738
Acrylic Acid	79-10-7	24-hr	1	0.131	0.00657
Acrylonitrile	107-13-1	year	0.00345	0.662	0.0331
Actinomycin D	50-76-0	year	4.00E-07	7.68E-05	3.84E-06
Alar	1596-84-5	year	0.196	37.6	1.88
Aldrin	309-00-2	year	0.000204	0.0391	0.00196
Allyl Chloride	107-05-1	year	0.167	32	1.6
alpha-Hexachlorocyclohexane	319-84-6	year	0.0013	0.249	0.0125
Amitrole	61-82-5	year	0.0037	0.71	0.0355
Ammonia	7664-41-7	24-hr	70.8	9.31	0.465
Ammonium bisulfate	7803-63-6	1-hr	120	0.263	0.0131
Ammonium sulfate	7783-20-2	1-hr	120	0.263	0.0131
Aniline	62-53-3	year	0.625	120	6
Antimony Trioxide	1309-64-4	24-hr	0.2	0.0263	0.00131

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Aramite	140-57-8	year	0.116	22.3	1.11
Arsenic & Inorganic Arsenic Compounds	—	year	0.000303	0.0581	0.00291
Arsine	7784-42-1	24-hr	0.05	0.00657	0.000329
Asbestos	1332-21-4	year	1.59E-05	0.00305	0.000153
Auramine	492-80-8	year	0.004	0.768	0.0384
Azaserine	115-02-6	year	0.000323	0.062	0.0031
Azathioprine	446-86-6	year	0.00196	0.376	0.0188
Azobenzene	103-33-3	year	0.0323	6.2	0.31
Barium Chromate	10294-40-3	year	1.49E-05	0.00286	0.000143
Benz[a]anthracene	56-55-3	year	0.00909	1.74	0.0872
Benzene	71-43-2	year	0.0345	6.62	0.331
Benzidine	92-87-5	year	7.14E-06	0.00137	6.85E-05
Benzo[a]pyrene	50-32-8	year	0.000909	0.174	0.00872
Benzo[b]fluoranthene	205-99-2	year	0.00909	1.74	0.0872
Benzo[j]fluoranthene	205-82-3	year	0.00909	1.74	0.0872
Benzo[k]fluoranthene	207-08-9	year	0.00909	1.74	0.0872
Benzyl Chloride	100-44-7	year	0.0204	3.91	0.196
Benzyl Violet 4B	1694-09-3	year	0.175	33.6	1.68
Beryllium & Compounds (NOS)	—	year	0.000417	0.08	0.004
Beryllium Oxide	1304-56-9	year	0.000417	0.08	0.004
Beryllium Sulfate	13510-49-1	year	1.16E-06	0.000223	1.11E-05
beta-Butyrolactone	3068-88-0	year	0.00345	0.662	0.0331
Beta-hexachlorocyclohexane	319-85-7	year	0.00233	0.447	0.0224
beta-Propiolactone	57-57-8	year	0.00025	0.048	0.0024
Bis(chloroethyl)ether	111-44-4	year	0.00141	0.271	0.0135
Bis(chloromethyl)ether	542-88-1	year	7.69E-05	0.0148	0.000738
Bromodichloromethane	75-27-4	year	0.027	5.18	0.259
Bromoform	75-25-2	year	0.909	174	8.72
Butylated hydroxyanisole	25013-16-5	year	17.5	3360	168
C.I. Basic Red 9 Monohydrochloride	569-61-9	year	0.0141	2.71	0.135
Cadmium & Compounds	7440-43-9	year	0.000238	0.0457	0.00228
Captafol	2425-06-1	year	0.0233	4.47	0.224
Captan	133-06-2	year	1.52	292	14.6
Carbon disulfide	75-15-0	24-hr	800	105	5.26
Carbon monoxide	630-08-0	1-hr	23000	50.4	1.14
Carbon Tetrachloride	56-23-5	year	0.0238	4.57	0.228
Chlorambucil	305-03-3	year	7.69E-06	0.00148	7.38E-05
Chlordane	57-74-9	year	0.00294	0.564	0.0282
Chlordecone	143-50-0	year	0.000217	0.0416	0.00208
Chlorendic Acid	115-28-6	year	0.0385	7.39	0.369
Chlorinated Paraffins	108171-26-2	year	0.04	7.68	0.384
Chlorine	7782-50-5	24-hr	0.2	0.026	0.00131
Chlorine dioxide	10049-04-4	24-hr	0.2	0.026	0.00131
Chlorobenzene	108-90-7	24-hr	1000	131	6.57
Chlorobenzilate	510-15-6	year	0.0323	6.2	0.31
Chlorodifluoromethane	75-45-6	24-hr	5.00E+04	6570	328
Chloroform	67-66-3	year	0.0435	8.35	0.417
Chloromethyl methyl ether	107-30-2	year	0.00145	0.278	0.0139
Chloropierin	76-06-2	24-hr	0.4	0.053	0.00263
Chlorothalonil	1897-45-6	year	1.12	215	10.7
Chlorozotocin	54749-90-5	year	1.45E-05	0.00278	0.000139
Chromic Acid	11115-74-5	year	1.51E-05	0.0029	0.000145

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Chromic Trioxide	1333-82-0	year	1.28E-05	0.00246	0.000123
Chromic(VI) Acid	7738-94-5	year	1.51E-05	0.0029	0.000145
Chromium Hexavalent: Soluble, except Chromic Trioxide	—	year	6.67E-06	0.00128	6.40E-05
Chromium(VI)	18540-29-9	year	6.67E-06	0.00128	6.40E-05
Chrysene	218-01-9	year	0.0909	17.4	0.872
Cinnamyl Anthranilate	87-29-6	year	0.769	148	7.38
Cobalt	7440-48-4	24-hr	0.1	0.013	0.000657
Coke Oven Emissions	8007-45-2	year	0.00162	0.311	0.0155
Copper & Compounds	—	1-hr	100	0.219	0.011
Cumene	98-82-8	24-hr	400	52.6	2.63
Cupferron	135-20-6	year	0.0159	3.05	0.153
Cyclohexane	110-82-7	24-hr	6000	789	39.4
Cyclophosphamide (anhydrous)	50-18-0	year	0.00588	1.13	0.0564
Cyclophosphamide (Hydrated)	6055-19-2	year	0.00625	1.2	0.06
D & C Red No. 9	5160-02-1	year	0.667	128	6.4
Dacarbazine	4342-03-4	year	7.14E-05	0.0137	0.000685
Dantron	117-10-2	year	0.0455	8.73	0.437
DDD	72-54-8	year	0.0145	2.78	0.139
DDE	72-55-9	year	0.0103	1.98	0.0988
DDT	50-29-3	year	0.0103	1.98	0.0988
Di(2-ethylhexyl)phthalate	117-81-7	year	0.0417	8	0.4
Diazinon	333-41-5	24-hr	9	1.18	0.0591
Dibenz[a,h]acridine	226-36-8	year	0.00909	1.74	0.0872
Dibenz[a,h]anthracene	53-70-3	year	0.000833	0.16	0.00799
Dibenz[a,j]acridine	224-42-0	year	0.00909	1.74	0.0872
Dibenzo[a,e]pyrene	192-65-4	year	0.000909	0.174	0.00872
Dibenzo[a,h]pyrene	189-64-0	year	9.09E-05	0.0174	0.000872
Dibenzo[a,i]pyrene	189-55-9	year	9.09E-05	0.0174	0.000872
Dibenzo[a,l]pyrene	191-30-0	year	9.09E-05	0.0174	0.000872
Dibromochloromethane	124-48-1	year	0.037	7.1	0.355
Dichloromethane	75-09-2	year	1	192	9.59
Dichlorvos	62-73-7	year	0.012	2.3	0.115
Dieldrin	60-57-1	year	0.000217	0.0416	0.00208
Diesel Engine Exhaust, Particulate	—	year	0.00333	0.639	0.032
Diethanolamine	111-42-2	24-hr	3	0.394	0.0197
Diethyl mercury	627-44-1	24-hr	1.00E-99	1.00E-99	1.00E-99
Diethylstilbestrol	56-53-1	year	1.00E-05	0.00192	9.59E-05
Diglycidyl Resoreinol Ether	101-90-6	year	0.00204	0.391	0.0196
Dihydrosafrole	94-58-6	year	0.0769	14.8	0.738
Dimethyl Mercury	593-74-8	24-hr	1.00E-99	1.00E-99	1.00E-99
Dimethylcarbamoyl Chloride	79-44-7	year	0.00027	0.0518	0.00259
Dimethylvinylchloride	513-37-1	year	7.69	1480	73.8
Direct Black 38	1937-37-7	year	4.76E+04	9.13E+06	4.57E+05
Direct Blue 6	2602-46-2	year	0.000476	0.0913	0.00457
Direct Brown 95	16071-86-6	year	0.000526	0.101	0.00505
Disperse Blue 1	2475-45-8	year	0.769	148	7.38
Disulfoton	298-04-4	24-hr	6	0.789	0.0394
Epichlorohydrin	106-89-8	year	0.0435	8.35	0.417
Estradiol 17b	50-28-2	year	9.09E-05	0.0174	0.000872
Ethyl Carbamate	51-79-6	year	0.00345	0.662	0.0331
Ethyl Chloride	75-00-3	24-hr	3.00E+04	3940	197
Ethylbenzene	100-41-4	year	0.4	76.8	3.84

Common Name	CAS #	Averaging Period	ASIL (µg/m ³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Ethylene Glycol	107-21-1	24-hr	400	52.6	2.63
Ethylene glycol monobutyl ether	111-76-2	24-hr	1.30E+04	1710	85.4
Ethylene glycol monoethyl ether acetate	111-15-9	24-hr	300	39.4	1.97
Ethylene glycol monomethyl ether acetate	110-49-6	24-hr	90	11.8	0.590
Ethylene oxide	75-21-8	year	0.0114	2.19	0.109
Ethylene Thiourea	96-45-7	year	0.0769	14.8	0.738
Ethyleneimine	151-56-4	year	5.26E-05	0.0101	0.000505
Ferrie Sulfate	10028-22-5	1-hr	120	0.263	0.0131
Fluoride-containing chemicals, NOS	—	24-hr	13	1.71	0.0854
Fluorine gas F ₂	7782-41-4	24-hr	15.8	2.08	0.104
Formaldehyde	50-00-0	year	0.167	32	1.6
Furmeecelox	60568-05-0	year	0.116	22.3	1.11
Furylfuramide	3688-53-7	year	0.0145	2.78	0.139
gamma-Hexachlorocyclohexane	58-89-9	year	0.00323	0.62	0.031
Glu-P-1	67730-11-4	year	0.000714	0.137	0.00685
Glu-P-2	67730-10-3	year	0.0025	0.48	0.024
Glutaraldehyde	111-30-8	24-hr	0.08	0.0105	0.000526
Gyromitrin	16568-02-8	year	0.000345	0.0662	0.00331
HC Blue 1	2784-94-3	year	0.0667	12.8	0.64
Heptachlor	76-44-8	year	7.69E-05	0.0148	0.000738
Heptachlor epoxide	1024-57-3	year	0.000385	0.0739	0.00369
Heptachlorodibenzo-p-dioxins, NOS	37871-00-4	year	2.63E-06	0.000505	2.52E-05
Hexachlorobenzene	118-74-1	year	0.00196	0.376	0.0188
Hexachlorobutadiene	87-68-3	year	0.0455	8.73	0.437
Hexachlorocyclohexane	608-73-1	year	0.000909	0.174	0.00872
Hexachlorocyclopentadiene	77-47-4	24-hr	0.2	0.026	0.00131
Hexachlorodibenzo-p-Dioxins, NOS	34465-46-8	year	2.63E-07	5.05E-05	2.52E-06
Hexachloroethane	67-72-1	year	0.0909	17.4	0.872
Hydrazine	302-01-2	year	0.000204	0.0391	0.00196
Hydrazine Sulfate	10034-93-2	year	0.00116	0.223	0.0111
Hydrogen chloride	7647-01-0	24-hr	9	1.18	0.0591
Hydrogen Cyanide	74-90-8	24-hr	9	1.18	0.0591
Hydrogen Fluoride	7664-39-3	24-hr	14	1.84	0.0920
Hydrogen Selenide	7783-07-5	1-hr	5	0.011	0.000548
Hydrogen Sulfide	7783-06-4	24-hr	2	0.263	0.0131
Indeno[1,2,3-cd]pyrene	193-39-5	year	0.00909	1.74	0.0872
Isophorone	78-59-1	24-hr	2000	2.63	13.1
Isopropyl Alcohol	67-63-0	1-hr	3200	7.01	0.35
Lasiocarpine	303-34-4	year	0.000455	0.0873	0.00437
Lead and compounds (NOS)	—	year	0.0833	16	10
Lead Acetate	301-04-2	year	0.0125	2.4	0.12
Lead Chromate	7758-97-6	year	4.14E-05	0.00794	0.000397
Lead Chromate Oxide	18454-12-1	year	7.01E-05	0.0135	0.000673
Lead Subacetate	1335-32-6	year	0.0909	17.4	0.872
Maleic Anhydride	108-31-6	24-hr	0.7	0.0920	0.00460
Manganese & Compounds	—	24-hr	0.04	0.00526	0.000263
Melphalan	148-82-3	year	2.70E-05	0.00518	0.000259
Melphalan HCl	3223-07-2	year	2.70E-05	0.00518	0.000259
Mercury, Elemental	7439-97-6	24-hr	0.09	0.0118	0.000591
Methyl Alcohol	67-56-1	24-hr	4000	526	26.3
Methyl Bromide	74-83-9	24-hr	5	0.657	0.0629
Methyl Chloride	74-87-3	24-hr	90	11.8	0.591

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Methyl Ethyl Ketone	78-93-3	24-hr	5000	657	32.9
Methyl Isobutyl Ketone	108-10-1	24-hr	3000	394	19.7
Methyl Isoeyanate	624-83-9	24-hr	1	0.131	0.00657
Methyl methacrylate	80-62-6	24-hr	700	92.0	4.60
Methyl Methanesulfonate	66-27-3	year	0.0357	6.85	0.343
Methyl Tertiary Butyl Ether	1634-04-4	year	3.85	739	36.9
Methylene diphenyl isocyanate	101-68-8	24-hr	0.7	0.0920	0.00460
Methylthiouracil	56-04-2	year	0.00909	1.74	0.0872
Miehler's ketone	90-94-8	year	0.004	0.768	0.0384
Mirex	2385-85-5	year	0.000196	0.0376	0.00188
Mitomycin C	50-07-7	year	4.35E-07	8.35E-05	4.17E-06
Monoerotaline	315-22-0	year	0.000345	0.0662	0.00331
m-Xylene	108-38-3	24-hr	221	29.0	1.45
n,n-Dimethylformamide	68-12-2	24-hr	80	10.5	0.526
n-[4-(5-nitro-2-furyl)-2-thiazolyl]-acetamide	531-82-8	year	0.00233	0.447	0.0224
Naphthalene	91-20-3	year	0.0294	5.64	0.282
n-Hexane	110-54-3	24-hr	700	92.0	4.60
Nickel Refinery Dust	—	year	0.0042	0.806	0.0403
Nickel Subsulfide	12035-72-2	year	0.00204	0.391	0.0196
Nifurthiazole	3570-75-0	year	0.00152	0.292	0.0146
Nitric Acid	7697-37-2	1-hr	86	0.188	0.00942
Nitrilotriacetic acid	139-13-9	year	0.667	128	6.4
Nitrilotriacetic acid, trisodium salt monohydrate	18662-53-8	year	0.345	66.2	3.31
Nitrofen	1836-75-5	year	0.0435	8.35	0.417
Nitrofurazone	59-87-0	year	0.0027	0.518	0.0259
Nitrogen dioxide	10102-44-0	1-hr	470	1.03	0.457
n-Methyl-n-nitro-n-nitrosoguanidine	70-25-7	year	0.000417	0.08	0.004
n-Nitrosodiethanolamine	1116-54-7	year	0.00125	0.24	0.012
n-Nitrosodiethylamine	55-18-5	year	1.00E-04	0.0192	0.000959
n-Nitrosodimethylamine	62-75-9	year	0.000217	0.0416	0.00208
n-Nitroso-di-n-butylamine	924-16-3	year	0.000323	0.062	0.0031
n-Nitrosodi-n-propylamine	621-64-7	year	0.0005	0.0959	0.0048
n-Nitrosodiphenylamine	86-30-6	year	0.385	73.9	3.69
n-Nitrosomorpholine	59-89-2	year	0.000526	0.101	0.00505
n-Nitroso-n-ethylurea	759-73-9	year	0.00013	0.0249	0.00125
n-Nitroso-n-methylethylamine	10595-95-6	year	0.000159	0.0305	0.00153
n-Nitroso-n-methylurea	684-93-5	year	2.94E-05	0.00564	0.000282
n-Nitroso-n-Methylurethane	615-53-2	year	3.23E-05	0.0062	0.00031
n-Nitrosornicotine	16543-55-8	year	0.0025	0.48	0.024
n-Nitrosopiperidine	100-75-4	year	0.00037	0.071	0.00355
n-Nitrosopyrrolidine	930-55-2	year	0.00167	0.32	0.016
o-Anisidine	90-04-0	year	0.025	4.8	0.24
o-Anisidine Hydrochloride	134-29-2	year	0.0323	6.2	0.31
o-Phenylphenate, Sodium	132-27-4	year	1.16	223	11.1
ortho-Aminoazotoluene	97-56-3	year	0.000909	0.174	0.00872
o-Toluidine	95-53-4	year	0.0196	3.76	0.188
o-Toluidine Hydrochloride	636-21-5	year	0.027	5.18	0.259
o-Xylene	95-47-6	24-hr	221	29.0	1.45
Ozone	10028-15-6	1-hr	180	0.394	0.0197
para-Cresidine	120-71-8	year	0.0233	4.47	0.224
p-Chloro-o-toluidine	95-69-2	year	0.013	2.49	0.125
Pentabromodiphenyl Ether	32534-81-9	24-hr	6	0.789	0.0394

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Pentachlorophenol	87-86-5	year	0.217	41.6	2.08
Perchloroethylene	127-18-4	year	0.169	32.4	1.62
Phenacetin	62-44-2	year	1.59	305	15.3
Phenazopyridine	94-78-0	year	0.0204	3.91	0.196
Phenazopyridine hydrochloride	136-40-3	year	0.0233	4.47	0.224
Phenesterin	3546-10-9	year	2.33E-05	0.00447	0.000224
Phenobarbital	50-06-6	year	0.00769	1.48	0.0738
Phenol	108-95-2	24-hr	200	26.3	1.31
Phenoxybenzamine	59-96-1	year	0.00112	0.215	0.0107
Phenoxybenzamine hydrochloride	63-92-3	year	0.0013	0.249	0.0125
Phosgene	75-44-5	24-hr	0.3	0.0394	0.00197
Phosphine	7803-51-2	24-hr	0.8	0.105	0.00526
Phosphoric Acid	7664-38-2	24-hr	7	0.920	0.0460
Phosphorus	7723-14-0	24-hr	20	2.63	0.131
Phthalic Anhydride	85-44-9	24-hr	20	2.63	0.131
p-Nitrosodiphenylamine	156-10-5	year	0.159	30.5	1.53
Polybrominated-Biphenyls	—	year	0.000116	0.0223	0.00111
Polychlorinated-Biphenyls, NOS	1336-36-3	year	0.00175	0.336	0.0168
Ponceau 3R	3564-09-8	year	0.217	41.6	2.08
Ponceau MX	3761-53-3	year	0.769	148	7.38
Potassium Bromate	7758-01-2	year	0.00714	1.37	0.0685
Procarbazine	671-16-9	year	0.00025	0.048	0.0024
Procarbazine Hydrochloride	366-70-1	year	0.000294	0.0564	0.00282
Propylene	115-07-1	24-hr	3000	394	19.7
Propylene Glycol	57-55-6	24-hr	28.5	3.75	0.187
Propylene Glycol Dinitrate	6423-43-4	24-hr	0.276	0.0363	0.00181
Propylene glycol monomethyl ether	107-98-2	24-hr	7000	920	46.0
Propylene oxide	75-56-9	year	0.27	51.8	2.59
Propylthiouracil	51-52-5	year	0.00345	0.662	0.0331
p-Xylene	106-42-3	24-hr	221	29.0	1.45
Refractory Ceramic Fibers	—	24-hr	0.03 fibers/cm ³	0.00394	0.000197
Reserpine	50-55-5	year	0.000323	0.062	0.0031
Safrole	94-59-7	year	0.0159	3.05	0.153
Selenium & Selenium Compounds (other than Hydrogen Selenide)	—	24-hr	20	2.63	0.131
Short-chain (C10-13) chlorinated paraffins	85535-84-8	year	0.04	7.68	0.384
Silica (crystalline, Respirable)	7631-86-9	24-hr	3	0.394	0.0197
Sodium Hydroxide	1310-73-2	1-hr	8	0.0175	0.000876
Sodium Sulfate	7757-82-6	1-hr	120	0.263	0.0131
Sterigmatocystin	10048-13-2	year	1.00E-04	0.0192	0.000959
Streptozotocin	18883-66-4	year	3.23E-05	0.0062	0.00031
Styrene	100-42-5	24-hr	900	118	5.91
Styrene Oxide	96-09-3	year	0.0217	4.16	0.208
Sulfallate	95-06-7	year	0.0185	3.55	0.178
Sulfur dioxide	7446-09-05	1-hr	660	1.45	0.457
Sulfur Mustard	505-60-2	24-hr	0.7	0.0920	0.00460
Sulfuric Acid	7664-93-9	24-hr	1	0.131	0.00657
Tetrabromodiphenyl Ether	40088-47-9	24-hr	6	0.789	0.0394
Thioacetamide	62-55-5	year	0.000588	0.113	0.00564
Thiourea	62-56-6	year	0.0476	9.13	0.457
Titanium Tetrachloride	7550-45-0	24-hr	0.1	0.0131	0.00657
Toluene	108-88-3	24-hr	5000	657	32.9

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Toluene-diisocyanates	26471-62-5	24-hr	0.07	0.00920	0.000460
Toluene-2,4-diisocyanate	584-84-9	24-hr	0.07	0.00920	0.000460
Toluene-2,6-diisocyanate	91-08-7	24-hr	0.07	0.00920	0.000460
Toxaphene	8001-35-2	year	0.00294	0.564	0.0282
Trans-1,2-dichloroethene	156-60-5	24-hr	807	106	5.30
Trans-2[(dimethylamino)-methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole	55738-54-0	year	0.00769	1.48	0.0738
Trichloroethylene	79-01-6	year	0.5	95.9	4.8
Triethylamine	121-44-8	24-hr	200	26.3	1.31
Tris-(1-Aziridinyl)phosphine sulfide	52-24-4	year	0.000294	0.0564	0.00282
Tris(2,3-dibromopropyl)phosphate	126-72-7	year	0.00152	0.292	0.0146
Tryptophan-P-1	62450-06-0	year	0.000135	0.0259	0.0013
Tryptophan-P-2	62450-07-1	year	0.0011	0.211	0.0106
Vanadium	7440-62-2	24-hr	0.2	0.0263	0.00131
Vanadium Pentoxide	1314-62-1	1-hr	30	0.0657	0.00329
Vinyl acetate	108-05-4	24-hr	200	26.3	1.31
Vinyl Bromide	593-60-2	24-hr	3	0.394	0.00197
Vinyl Chloride	75-01-4	year	0.0128	2.46	0.123))
Acetaldehyde	75-07-0	year	3.7E-01	6.0E+01	3.0E+00
Acetamide	60-35-5	year	5.0E-02	8.1E+00	4.1E-01
Acetonitrile	75-05-8	24-hr	6.0E+01	4.4E+00	2.2E-01
2-Acetylaminofluorene	53-96-3	year	4.6E-04	7.5E-02	3.8E-03
Acrolein	107-02-8	24-hr	3.5E-01	2.6E-02	1.3E-03
Acrylamide	79-06-1	year	6.0E-03	9.8E-01	4.9E-02
Acrylic acid	79-10-7	24-hr	1.0E+00	7.4E-02	3.7E-03
Acrylonitrile	107-13-1	year	3.4E-03	5.6E-01	2.8E-02
Actinomycin D	50-76-0	year	4.0E-07	6.5E-05	3.2E-06
Alar (daminozide)	1596-84-5	year	2.0E-01	3.2E+01	1.6E+00
Aldrin	309-00-2	year	2.0E-04	3.3E-02	1.7E-03
Allyl chloride	107-05-1	year	1.7E-01	2.7E+01	1.4E+00
3-Amino-9-ethylcarbazole hydrochloride	6109-97-3	year	4.5E-02	7.4E+00	3.7E-01
2-Amino-3-methyl-9H-pyrido[2,3-b]indole	68006-83-7	year	2.9E-03	4.8E-01	2.4E-02
1-Amino-2-methylantraquinone	82-28-0	year	2.3E-02	3.8E+00	1.9E-01
2-Amino-3-methylimidazo-[4,5-f]quinoline	76180-96-6	year	2.5E-03	4.1E-01	2.0E-02
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazol	712-68-5	year	2.2E-04	3.5E-02	1.8E-03
A-alpha-c(2-amino-9h-pyrido[2,3-b]indole)	26148-68-5	year	8.7E-03	1.4E+00	7.1E-02
2-Aminoanthraquinone	117-79-3	year	6.4E-02	1.0E+01	5.2E-01
o-Aminoazotoluene	97-56-3	year	9.1E-04	1.5E-01	7.4E-03
4-Aminobiphenyl	92-67-1	year	1.7E-04	2.7E-02	1.4E-03
Amitrole	61-82-5	year	3.7E-03	6.0E-01	3.0E-02
Ammonia	7664-41-7	24-hr	5.0E+02	3.7E+01	1.9E+00
Ammonium bisulfate	7803-63-6	1-hr	1.2E+02	2.2E-01	1.1E-02
Aniline	62-53-3	year	6.3E-01	1.0E+02	5.1E+00
o-Anisidine	90-04-0	year	2.5E-02	4.1E+00	2.0E-01
o-Anisidine hydrochloride	134-29-2	year	3.2E-02	5.2E+00	2.6E-01
Antimony trioxide	1309-64-4	24-hr	2.0E-01	1.5E-02	7.4E-04
Aramite	140-57-8	year	1.2E-01	1.9E+01	9.4E-01
Tris(1-aziridinyl)phosphine sulfide	52-24-4	year	2.9E-04	4.8E-02	2.4E-03
Arsenic & inorganic arsenic compounds, NOS	==	year	3.0E-04	4.9E-02	2.5E-03
Arsine	7784-42-1	24-hr	1.5E-02	1.1E-03	5.6E-05
Asbestos (fibers/cubic centimeter)	1332-21-4	year	4.3E-06	7.1E-04	3.5E-05
Actinolite asbestos (fibers/cubic centimeter)	12172-67-7	year	4.3E-06	7.1E-04	3.5E-05

Common Name	CAS #	Averaging Period	ASIL (µg/m³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
<u>Amosite asbestos (fibers/cubic centimeter)</u>	<u>12172-73-5</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.1E-04</u>	<u>3.5E-05</u>
<u>Anthophyllite asbestos (fibers/cubic centimeter)</u>	<u>17068-78-9</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.1E-04</u>	<u>3.5E-05</u>
<u>Chrysotile asbestos (fibers/cubic centimeter)</u>	<u>12001-29-5</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.1E-04</u>	<u>3.5E-05</u>
<u>Crocidolite asbestos (fibers/cubic centimeter)</u>	<u>12001-28-4</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.1E-04</u>	<u>3.5E-05</u>
<u>Libby amphibole asbestos and amphiboles, NOS (fibers/cubic centimeter)</u>	<u>—</u>	<u>year</u>	<u>5.9E-06</u>	<u>9.6E-04</u>	<u>4.8E-05</u>
<u>Tremolite asbestos (fibers/cubic centimeter)</u>	<u>14567-73-8</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.1E-04</u>	<u>3.5E-05</u>
<u>Auramine</u>	<u>492-80-8</u>	<u>year</u>	<u>4.0E-03</u>	<u>6.5E-01</u>	<u>3.2E-02</u>
<u>Azaserine</u>	<u>115-02-6</u>	<u>year</u>	<u>3.2E-04</u>	<u>5.2E-02</u>	<u>2.6E-03</u>
<u>Azathioprine</u>	<u>446-86-6</u>	<u>year</u>	<u>2.0E-03</u>	<u>3.2E-01</u>	<u>1.6E-02</u>
<u>Azobenzene</u>	<u>103-33-3</u>	<u>year</u>	<u>3.2E-02</u>	<u>5.2E+00</u>	<u>2.6E-01</u>
<u>Barium chromate</u>	<u>10294-40-3</u>	<u>year</u>	<u>2.0E-05</u>	<u>3.2E-03</u>	<u>1.6E-04</u>
<u>Benz[a]anthracene</u>	<u>56-55-3</u>	<u>year</u>	<u>5.5E-03</u>	<u>8.9E-01</u>	<u>4.5E-02</u>
<u>Benzene</u>	<u>71-43-2</u>	<u>year</u>	<u>1.3E-01</u>	<u>2.1E+01</u>	<u>1.0E+00</u>
<u>Benzidine</u>	<u>92-87-5</u>	<u>year</u>	<u>4.3E-06</u>	<u>7.0E-04</u>	<u>3.5E-05</u>
<u>Benzo[a]pyrene</u>	<u>50-32-8</u>	<u>year</u>	<u>1.0E-03</u>	<u>1.6E-01</u>	<u>8.2E-03</u>
<u>Benzo[b]fluoranthene</u>	<u>205-99-2</u>	<u>year</u>	<u>5.5E-03</u>	<u>8.9E-01</u>	<u>4.5E-02</u>
<u>Benzo[j]fluoranthene</u>	<u>205-82-3</u>	<u>year</u>	<u>5.5E-03</u>	<u>8.9E-01</u>	<u>4.5E-02</u>
<u>Benzo[k]fluoranthene</u>	<u>207-08-9</u>	<u>year</u>	<u>5.5E-03</u>	<u>8.9E-01</u>	<u>4.5E-02</u>
<u>Benzyl chloride</u>	<u>100-44-7</u>	<u>year</u>	<u>2.0E-02</u>	<u>3.3E+00</u>	<u>1.7E-01</u>
<u>Benzyl violet 4B</u>	<u>1694-09-3</u>	<u>year</u>	<u>1.8E-01</u>	<u>2.8E+01</u>	<u>1.4E+00</u>
<u>Beryllium & compounds, NOS</u>	<u>—</u>	<u>year</u>	<u>4.2E-04</u>	<u>6.8E-02</u>	<u>3.4E-03</u>
<u>Beryllium oxide</u>	<u>1304-56-9</u>	<u>year</u>	<u>4.2E-04</u>	<u>6.8E-02</u>	<u>3.4E-03</u>
<u>Beryllium sulfate</u>	<u>13510-49-1</u>	<u>year</u>	<u>1.2E-06</u>	<u>1.9E-04</u>	<u>9.4E-06</u>
<u>beta-Butyrolactone</u>	<u>3068-88-0</u>	<u>year</u>	<u>3.4E-03</u>	<u>5.6E-01</u>	<u>2.8E-02</u>
<u>beta-Propiolactone</u>	<u>57-57-8</u>	<u>year</u>	<u>2.5E-04</u>	<u>4.1E-02</u>	<u>2.0E-03</u>
<u>Bis(2-chloroethyl) ether</u>	<u>111-44-4</u>	<u>year</u>	<u>1.4E-03</u>	<u>2.3E-01</u>	<u>1.1E-02</u>
<u>Bis(chloromethyl) ether</u>	<u>542-88-1</u>	<u>year</u>	<u>7.7E-05</u>	<u>1.2E-02</u>	<u>6.2E-04</u>
<u>Boron & compounds, NOS</u>	<u>—</u>	<u>24-hr</u>	<u>3.0E+02</u>	<u>2.2E+01</u>	<u>1.1E+00</u>
<u>Bromobenzene</u>	<u>108-86-1</u>	<u>24-hr</u>	<u>6.0E+01</u>	<u>4.4E+00</u>	<u>2.2E-01</u>
<u>Bromodichloromethane</u>	<u>75-27-4</u>	<u>year</u>	<u>2.7E-02</u>	<u>4.4E+00</u>	<u>2.2E-01</u>
<u>Bromoform</u>	<u>75-25-2</u>	<u>year</u>	<u>9.1E-01</u>	<u>1.5E+02</u>	<u>7.4E+00</u>
<u>Bromomethane (methyl bromide)</u>	<u>74-83-9</u>	<u>24-hr</u>	<u>5.0E+00</u>	<u>3.7E-01</u>	<u>1.9E-02</u>
<u>1-Bromopropane</u>	<u>106-94-5</u>	<u>24-hr</u>	<u>1.0E+02</u>	<u>7.4E+00</u>	<u>3.7E-01</u>
<u>1,3-Butadiene</u>	<u>106-99-0</u>	<u>year</u>	<u>3.3E-02</u>	<u>5.4E+00</u>	<u>2.7E-01</u>
<u>Butylated hydroxyanisole</u>	<u>25013-16-5</u>	<u>year</u>	<u>1.8E+01</u>	<u>2.8E+03</u>	<u>1.4E+02</u>
<u>C.I. basic red 9 monohydrochloride</u>	<u>569-61-9</u>	<u>year</u>	<u>1.4E-02</u>	<u>2.3E+00</u>	<u>1.1E-01</u>
<u>Cadmium & compounds, NOS</u>	<u>—</u>	<u>year</u>	<u>2.4E-04</u>	<u>3.9E-02</u>	<u>1.9E-03</u>
<u>Caprolactam</u>	<u>105-60-2</u>	<u>24-hr</u>	<u>2.2E+00</u>	<u>1.6E-01</u>	<u>8.2E-03</u>
<u>Captafol</u>	<u>2425-06-1</u>	<u>year</u>	<u>2.3E-02</u>	<u>3.8E+00</u>	<u>1.9E-01</u>
<u>Captan</u>	<u>133-06-2</u>	<u>year</u>	<u>1.5E+00</u>	<u>2.5E+02</u>	<u>1.2E+01</u>
<u>Carbon disulfide</u>	<u>75-15-0</u>	<u>24-hr</u>	<u>8.0E+02</u>	<u>5.9E+01</u>	<u>3.0E+00</u>
<u>Carbon monoxide</u>	<u>630-08-0</u>	<u>1-hr</u>	<u>2.3E+04</u>	<u>4.3E+01</u>	<u>1.1E+00</u>
<u>Carbon tetrachloride</u>	<u>56-23-5</u>	<u>year</u>	<u>1.7E-01</u>	<u>2.7E+01</u>	<u>1.4E+00</u>
<u>Carbonyl sulfide</u>	<u>463-58-1</u>	<u>24-hr</u>	<u>1.0E+01</u>	<u>7.4E-01</u>	<u>3.7E-02</u>
<u>Cerium oxide</u>	<u>1306-38-3</u>	<u>24-hr</u>	<u>9.0E-01</u>	<u>6.7E-02</u>	<u>3.3E-03</u>
<u>Chlorambucil</u>	<u>305-03-3</u>	<u>year</u>	<u>7.7E-06</u>	<u>1.2E-03</u>	<u>6.2E-05</u>
<u>Chlordane</u>	<u>57-74-9</u>	<u>year</u>	<u>1.0E-02</u>	<u>1.6E+00</u>	<u>8.1E-02</u>
<u>Chlordecone</u>	<u>143-50-0</u>	<u>year</u>	<u>2.2E-04</u>	<u>3.5E-02</u>	<u>1.8E-03</u>
<u>Chlorendic acid</u>	<u>115-28-6</u>	<u>year</u>	<u>3.8E-02</u>	<u>6.2E+00</u>	<u>3.1E-01</u>
<u>Chlorinated paraffins</u>	<u>108171-26-2</u>	<u>year</u>	<u>4.0E-02</u>	<u>6.5E+00</u>	<u>3.2E-01</u>
<u>Chlorine</u>	<u>7782-50-5</u>	<u>24-hr</u>	<u>1.5E-01</u>	<u>1.1E-02</u>	<u>5.6E-04</u>

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Chlorine dioxide	10049-04-4	24-hr	6.0E-01	4.4E-02	2.2E-03
1-Chloro-1,1-difluoroethane	75-68-3	24-hr	5.0E+04	3.7E+03	1.9E+02
3-Chloro-2-methyl-1-propene	563-47-3	year	2.5E-02	4.1E+00	2.0E-01
2-Chloroacetophenone	532-27-4	24-hr	3.0E-02	2.2E-03	1.1E-04
Chloroalkanes C10-13 (chlorinated paraffins)	85535-84-8	year	4.0E-02	6.5E+00	3.2E-01
Chlorobenzene	108-90-7	24-hr	1.0E+03	7.4E+01	3.7E+00
Chlorobenzilate	510-15-6	year	3.2E-02	5.2E+00	2.6E-01
Chlorodifluoromethane (Freon 22)	75-45-6	24-hr	5.0E+04	3.7E+03	1.9E+02
Chloroethane (ethyl chloride)	75-00-3	24-hr	3.0E+04	2.2E+03	1.1E+02
Chloroform	67-66-3	year	4.3E-02	7.1E+00	3.5E-01
Chloromethane (methyl chloride)	74-87-3	24-hr	9.0E+01	6.7E+00	3.3E-01
Chloromethyl methyl ether	107-30-2	year	1.4E-03	2.4E-01	1.2E-02
4-Chloro-o-phenylenediamine	95-83-0	year	2.2E-01	3.5E+01	1.8E+00
p-Chloro-o-toluidine	95-69-2	year	1.3E-02	2.1E+00	1.1E-01
Chloropicrin	76-06-2	24-hr	4.0E-01	3.0E-02	1.5E-03
Chloroprene	126-99-8	year	2.0E-03	3.3E-01	1.6E-02
Chlorothalonil	1897-45-6	year	1.1E+00	1.8E+02	9.1E+00
Chlorozotocin	54749-90-5	year	1.4E-05	2.4E-03	1.2E-04
Chromic trioxide	1333-82-0	year	7.7E-06	1.3E-03	6.3E-05
Chromic(VI) acid	7738-94-5	year	9.1E-06	1.5E-03	7.4E-05
Chromium(III), insoluble particulates, NOS	==	24-hr	5.0E+00	3.7E-01	1.9E-02
Chromium(III), soluble particulates, NOS	==	24-hr	1.0E-01	7.4E-03	3.7E-04
Chromium(VI) & compounds, NOS	==	year	4.0E-06	6.5E-04	3.3E-05
Chrysene	218-01-9	year	5.5E-02	8.9E+00	4.5E-01
Cinnamyl anthranilate	87-29-6	year	7.7E-01	1.2E+02	6.2E+00
Cobalt and compounds, NOS	7440-48-4	24-hr	1.0E-01	7.4E-03	3.7E-04
Coke oven emissions	==	year	9.7E-04	1.6E-01	7.9E-03
Copper & compounds	==	1-hr	1.0E+02	1.9E-01	9.3E-03
p-Cresidine	120-71-8	year	2.3E-02	3.8E+00	1.9E-01
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	6.0E+02	4.4E+01	2.2E+00
m-Cresol (3-methylphenol)	108-39-4	24-hr	6.0E+02	4.4E+01	2.2E+00
o-Cresol (2-methylphenol)	95-48-7	24-hr	6.0E+02	4.4E+01	2.2E+00
p-Cresol (4-methylphenol)	106-44-5	24-hr	6.0E+02	4.4E+01	2.2E+00
Cumene	98-82-8	24-hr	4.0E+02	3.0E+01	1.5E+00
Cupferron	135-20-6	year	1.6E-02	2.6E+00	1.3E-01
Cyclohexane	110-82-7	24-hr	6.0E+03	4.4E+02	2.2E+01
Cyclophosphamide (anhydrous)	50-18-0	year	5.9E-03	9.6E-01	4.8E-02
Cyclophosphamide (hydrated)	6055-19-2	year	6.3E-03	1.0E+00	5.1E-02
D & C red no. 9	5160-02-1	year	6.7E-01	1.1E+02	5.4E+00
Dacarbazine	4342-03-4	year	7.1E-05	1.2E-02	5.8E-04
Dantron	117-10-2	year	4.5E-02	7.4E+00	3.7E-01
Di(2-ethylhexyl)phthalate	117-81-7	year	4.2E-01	6.8E+01	3.4E+00
2,4-Diaminoanisole	615-05-4	year	1.5E-01	2.5E+01	1.2E+00
2,4-Diaminoanisole sulfate	39156-41-7	year	2.7E-01	4.4E+01	2.2E+00
4,4'-Diaminodiphenyl ether	101-80-4	year	2.5E-02	4.1E+00	2.0E-01
2,4-Diaminotoluene (2,4-toluene diamine)	95-80-7	year	9.1E-04	1.5E-01	7.4E-03
Diazinon	333-41-5	24-hr	1.0E+01	7.4E-01	3.7E-02
Dibenz[a,h]acridine	226-36-8	year	5.5E-03	8.9E-01	4.5E-02
Dibenz[a,h]anthracene	53-70-3	year	5.0E-04	8.2E-02	4.1E-03
Dibenz[a,i]acridine	224-42-0	year	5.5E-03	8.9E-01	4.5E-02
Dibenzo[a,e]pyrene	192-65-4	year	5.5E-04	8.9E-02	4.5E-03
Dibenzo[a,h]pyrene	189-64-0	year	5.5E-05	8.9E-03	4.5E-04

Common Name	CAS #	Averaging Period	ASIL (µg/m³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Dibenzo[a,i]pyrene	189-55-9	year	5.5E-05	8.9E-03	4.5E-04
Dibenzo[a,l]pyrene	191-30-0	year	5.5E-05	8.9E-03	4.5E-04
7H-Dibenzo[c,g]carbazole	194-59-2	year	5.5E-04	8.9E-02	4.5E-03
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	year	3.2E-04	5.2E-02	2.6E-03
Tris(2,3-dibromopropyl)phosphate	126-72-7	year	1.5E-03	2.5E-01	1.2E-02
1,4-Dichlorobenzene	106-46-7	year	9.1E-02	1.5E+01	7.4E-01
3,3'-Dichlorobenzidine	91-94-1	year	2.9E-03	4.8E-01	2.4E-02
DDD (dichlorodiphenyldichloroethane)	72-54-8	year	1.4E-02	2.4E+00	1.2E-01
DDE (dichlorodiphenyldichloroethylene)	72-55-9	year	1.0E-02	1.7E+00	8.4E-02
DDT(dichlorodiphenyltrichloroethane)	50-29-3	year	1.0E-02	1.7E+00	8.4E-02
1,1-Dichloroethane (ethylidene dichloride)	75-34-3	year	6.3E-01	1.0E+02	5.1E+00
trans-1,2-Dichloroethene	156-60-5	24-hr	8.1E+02	6.0E+01	3.0E+00
1,1-Dichloroethylene (1,1-DCE)	75-35-4	24-hr	2.0E+02	1.5E+01	7.4E-01
Dichloromethane	75-09-2	year	6.0E+01	9.8E+03	4.9E+02
1,2-Dichloropropane (propylene dichloride)	78-87-5	year	1.0E-01	1.6E+01	8.1E-01
1,3-Dichloropropene	542-75-6	year	2.5E-01	4.1E+01	2.0E+00
2,3-Dichloropropene	78-88-6	24-hr	9.2E+00	6.8E-01	3.4E-02
Dichlorvos (DDVP)	62-73-7	year	1.2E-02	2.0E+00	9.8E-02
Dieldrin	60-57-1	year	2.2E-04	3.5E-02	1.8E-03
Diesel engine exhaust, particulate	—	year	3.3E-03	5.4E-01	2.7E-02
Diethanolamine	111-42-2	24-hr	3.0E+00	2.2E-01	1.1E-02
Diethylstilbestrol	56-53-1	year	1.0E-05	1.6E-03	8.1E-05
1,1-Difluoroethane	75-37-6	24-hr	4.0E+04	3.0E+03	1.5E+02
Diglycidyl resorcinol ether	101-90-6	year	2.0E-03	3.3E-01	1.7E-02
Dihydrosafrole	94-58-6	year	7.7E-02	1.2E+01	6.2E-01
4-Dimethylaminoazobenzene	60-11-7	year	7.7E-04	1.2E-01	6.2E-03
trans-2[(dimethylamino)-methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole	55738-54-0	year	7.7E-03	1.2E+00	6.2E-02
7,12-Dimethylbenz[a]anthracene	57-97-6	year	8.5E-06	1.4E-03	6.9E-05
Dimethyl carbamoyl chloride	79-44-7	year	2.7E-04	4.4E-02	2.2E-03
1,1-Dimethylhydrazine	57-14-7	24-hr	5.0E-01	3.7E-02	1.9E-03
1,2-Dimethylhydrazine	540-73-8	year	6.3E-06	1.0E-03	5.1E-05
Dimethylvinylchloride	513-37-1	year	7.7E-02	1.2E+01	6.2E-01
1,6-Dinitropyrene	42397-64-8	year	5.5E-05	8.9E-03	4.5E-04
1,8-Dinitropyrene	42397-65-9	year	5.5E-04	8.9E-02	4.5E-03
2,4-Dinitrotoluene	121-14-2	year	1.1E-02	1.8E+00	9.1E-02
1,4-Dioxane	123-91-1	year	2.0E-01	3.2E+01	1.6E+00
1,2-Diphenylhydrazine (hydrazobenzene)	122-66-7	year	4.0E-03	6.5E-01	3.2E-02
Direct black 38	1937-37-7	year	4.8E-04	7.7E-02	3.9E-03
Direct blue 6	2602-46-2	year	4.8E-04	7.7E-02	3.9E-03
Direct brown 95	16071-86-6	year	5.3E-04	8.5E-02	4.3E-03
Disperse blue 1	2475-45-8	year	7.7E-01	1.2E+02	6.2E+00
Disulfoton	298-04-4	24-hr	2.0E-01	1.5E-02	7.4E-04
Epichlorohydrin	106-89-8	year	4.3E-02	7.1E+00	3.5E-01
1,2-Epoxybutane	106-88-7	24-hr	2.0E+01	1.5E+00	7.4E-02
Estradiol 17B	50-28-2	year	9.1E-05	1.5E-02	7.4E-04
Ethyl benzene	100-41-4	year	4.0E-01	6.5E+01	3.2E+00
Ethyl carbamate (urethane)	51-79-6	year	2.1E-03	3.4E-01	1.7E-02
Ethylene dibromide (EDB, 1,2-dibromoethane)	106-93-4	year	1.7E-03	2.7E-01	1.4E-02
Ethylene dichloride (EDC, 1,2-dichloroethane)	107-06-2	year	3.8E-02	6.2E+00	3.1E-01
Ethylene glycol	107-21-1	24-hr	4.0E+02	3.0E+01	1.5E+00
Ethylene glycol monobutyl ether	111-76-2	24-hr	8.2E+01	6.1E+00	3.0E-01

Common Name	CAS #	Averaging Period	ASIL (µg/m ³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Ethylene glycol monoethyl ether (2-ethoxyethanol)	110-80-5	24-hr	7.0E+01	5.2E+00	2.6E-01
Ethylene glycol monoethyl ether acetate	111-15-9	24-hr	3.0E+02	2.2E+01	1.1E+00
Ethylene glycol monomethyl ether (2-methoxyethanol)	109-86-4	24-hr	6.0E+01	4.4E+00	2.2E-01
Ethylene glycol monomethyl ether acetate	110-49-6	24-hr	9.0E+01	6.7E+00	3.3E-01
Ethylene oxide	75-21-8	year	2.0E-04	3.3E-02	1.6E-03
Ethylene thiourea	96-45-7	year	7.7E-02	1.2E+01	6.2E-01
Ethyleneimine	151-56-4	year	5.3E-05	8.5E-03	4.3E-04
Ferric sulfate	10028-22-5	1-hr	1.2E+02	2.2E-01	1.1E-02
Fluorides (fluoride containing chemicals), NOS	==	24-hr	1.3E+01	9.6E-01	4.8E-02
Fluorine gas F ₂	7782-41-4	24-hr	1.6E+01	1.2E+00	5.9E-02
Formaldehyde	50-00-0	year	1.7E-01	2.7E+01	1.4E+00
Furmecycloz	60568-05-0	year	1.2E-01	1.9E+01	9.4E-01
Furylfuramide	3688-53-7	year	1.4E-02	2.4E+00	1.2E-01
Glu-P-1	67730-11-4	year	7.1E-04	1.2E-01	5.8E-03
Glu-P-2	67730-10-3	year	2.5E-03	4.1E-01	2.0E-02
Glutaraldehyde	111-30-8	24-hr	8.0E-02	5.9E-03	3.0E-04
Guthion (azinthos-methyl)	86-50-0	24-hr	1.0E+01	7.4E-01	3.7E-02
Gyromitrin	16568-02-8	year	3.4E-04	5.6E-02	2.8E-03
HC blue 1	2784-94-3	year	6.7E-02	1.1E+01	5.4E-01
Heptachlor	76-44-8	year	7.7E-04	1.2E-01	6.2E-03
Heptachlor epoxide	1024-57-3	year	3.8E-04	6.2E-02	3.1E-03
Heptachlorodibenzo-p-dioxin, NOS	37871-00-4	year	2.6E-06	4.3E-04	2.1E-05
Hexachlorobenzene	118-74-1	year	2.2E-03	3.5E-01	1.8E-02
Hexachlorobutadiene	87-68-3	year	4.5E-02	7.4E+00	3.7E-01
Hexachlorocyclohexane	608-73-1	year	9.1E-04	1.5E-01	7.4E-03
alpha-Hexachlorocyclohexane	319-84-6	year	1.3E-03	2.1E-01	1.1E-02
beta-Hexachlorocyclohexane	319-85-7	year	2.3E-03	3.8E-01	1.9E-02
gamma-Hexachlorocyclohexane (lindane)	58-89-9	year	3.2E-03	5.2E-01	2.6E-02
Hexachlorocyclopentadiene	77-47-4	24-hr	2.0E-01	1.5E-02	7.4E-04
Hexachlorodibenzo-p-dioxins, NOS	34465-46-8	year	2.6E-07	4.3E-05	2.1E-06
Hexachloroethane	67-72-1	year	9.1E-02	1.5E+01	7.4E-01
Hexamethylene diisocyanate	822-06-0	24-hr	7.0E-02	5.2E-03	2.6E-04
n-Hexane	110-54-3	24-hr	7.0E+02	5.2E+01	2.6E+00
2-Hexanone	591-78-6	24-hr	3.0E+01	2.2E+00	1.1E-01
Hydrazine	302-01-2	year	2.0E-04	3.3E-02	1.7E-03
Hydrazine sulfate	10034-93-2	year	1.2E-03	1.9E-01	9.4E-03
Hydrogen chloride	7647-01-0	24-hr	9.0E+00	6.7E-01	3.3E-02
Hydrogen cyanide	74-90-8	24-hr	8.0E-01	5.9E-02	3.0E-03
Hydrogen fluoride	7664-39-3	24-hr	1.4E+01	1.0E+00	5.2E-02
Hydrogen sulfide	7783-06-4	24-hr	2.0E+00	1.5E-01	7.4E-03
Indeno[1,2,3-cd]pyrene	193-39-5	year	5.5E-03	8.9E-01	4.5E-02
Isophorone	78-59-1	24-hr	2.0E+03	1.5E+02	7.4E+00
Isopropyl alcohol	67-63-0	1-hr	3.2E+03	5.9E+00	3.0E-01
Lasiocarpine	303-34-4	year	4.5E-04	7.4E-02	3.7E-03
Lead & compounds, NOS	==	year	8.3E-02	1.4E+01	1.0E+01
Lead acetate	301-04-2	year	1.3E-02	2.0E+00	1.0E-01
Lead chromate oxide	18454-12-1	year	4.2E-05	6.9E-03	3.4E-04
Lead chromate	7758-97-6	year	2.5E-05	4.1E-03	2.0E-04
Lead phosphate	7446-27-7	year	8.3E-02	1.4E+01	6.8E-01
Lead subacetate	1335-32-6	year	9.1E-02	1.5E+01	7.4E-01
Malathion	121-75-5	24-hr	2.0E+01	1.5E+00	7.4E-02
Maleic anhydride	108-31-6	24-hr	7.0E-01	5.2E-02	2.6E-03

Common Name	CAS #	Averaging Period	ASIL (µg/m³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Manganese & compounds	==	24-hr	3.0E-01	2.2E-02	1.1E-03
Melphalan	148-82-3	year	2.7E-05	4.4E-03	2.2E-04
Mercury, elemental	7439-97-6	24-hr	3.0E-02	2.2E-03	1.1E-04
Diethyl mercury	627-44-1	24-hr	1.4E-01	1.0E-02	5.2E-04
Dimethyl mercury	593-74-8	24-hr	1.4E-01	1.0E-02	5.2E-04
Methyl alcohol (methanol)	67-56-1	24-hr	2.0E+04	1.5E+03	7.4E+01
3-Methylcholanthrene	56-49-5	year	9.6E-05	1.6E-02	7.8E-04
5-Methylchrysene	3697-24-3	year	5.5E-04	8.9E-02	4.5E-03
4,4'-Methylenebis(2-chloroaniline) (MOCA)	101-14-4	year	1.4E-03	2.3E-01	1.1E-02
4,4'-Methylenebis(2-methylaniline)	838-88-0	year	3.8E-03	6.2E-01	3.1E-02
4,4'-Methylenebis(N,N'-dimethyl)aniline	101-61-1	year	7.7E-02	1.2E+01	6.2E-01
4,4'-Methylenedianiline	101-77-9	year	2.2E-03	3.5E-01	1.8E-02
4,4'-Methylenedianiline dihydrochloride	13552-44-8	year	2.2E-03	3.5E-01	1.8E-02
Methylene diphenyl diisocyanate (MDI)	101-68-8	24-hr	8.0E-02	5.9E-03	3.0E-04
Methyl ethyl ketone	78-93-3	24-hr	5.0E+03	3.7E+02	1.9E+01
Methyl isobutyl ketone (MIBK, hexone)	108-10-1	24-hr	3.0E+03	2.2E+02	1.1E+01
Methyl isocyanate	624-83-9	24-hr	1.0E+00	7.4E-02	3.7E-03
Methyl methacrylate	80-62-6	24-hr	7.0E+02	5.2E+01	2.6E+00
Methyl methanesulfonate	66-27-3	year	3.6E-02	5.8E+00	2.9E-01
2-Methyl-1-nitroanthraquinone	129-15-7	year	8.3E-04	1.4E-01	6.8E-03
N-Methyl-N-nitro-N-nitrosoguanidine	70-25-7	year	4.2E-04	6.8E-02	3.4E-03
Methyl tert-butyl ether	1634-04-4	year	3.8E+00	6.2E+02	3.1E+01
Methylthiouracil	56-04-2	year	9.1E-03	1.5E+00	7.4E-02
Michler's ketone	90-94-8	year	4.0E-03	6.5E-01	3.2E-02
Mirex	2385-85-5	year	2.0E-04	3.2E-02	1.6E-03
Mitomycin C	50-07-7	year	4.3E-07	7.1E-05	3.5E-06
Monocrotaline	315-22-0	year	3.4E-04	5.6E-02	2.8E-03
N,N-Dimethylformamide	68-12-2	24-hr	8.0E+01	5.9E+00	3.0E-01
Naphthalene	91-20-3	year	2.9E-02	4.8E+00	2.4E-01
2-Naphthylamine	91-59-8	year	2.0E-03	3.2E-01	1.6E-02
Nickel & compounds, NOS	==	year	3.8E-03	6.2E-01	3.1E-02
Nickel acetate	373-02-4	year	1.2E-02	1.9E+00	9.4E-02
Nickel carbonate	3333-67-3	year	7.8E-03	1.3E+00	6.3E-02
Nickel carbonate hydroxide	12607-70-4	year	6.6E-03	1.1E+00	5.4E-02
Nickel carbonyl	13463-39-3	year	1.1E-02	1.8E+00	9.1E-02
Nickel chloride	7718-54-9	year	8.5E-03	1.4E+00	6.9E-02
Nickel hydroxide	12054-48-7	year	6.1E-03	9.9E-01	4.9E-02
Nickel nitrate hexahydrate	13478-00-7	year	1.9E-02	3.1E+00	1.5E-01
Nickel oxide (nickel monoxide, nickel(II) oxide)	1313-99-1	year	4.9E-03	7.9E-01	4.0E-02
Nickel oxide black (nickel sesquioxide, nickel(III) oxide)	1314-06-3	year	5.4E-03	8.8E-01	4.4E-02
Nickel refinery dust	==	year	4.2E-03	6.8E-01	3.4E-02
Nickel subsulfide	12035-72-2	year	2.1E-03	3.4E-01	1.7E-02
Nickel sulfate	7786-81-4	year	1.0E-02	1.6E+00	8.2E-02
Nickel sulfate hexahydrate	10101-97-0	year	1.7E-02	2.8E+00	1.4E-01
Nickel sulfide	11113-75-0	year	6.0E-03	9.7E-01	4.8E-02
Nickelocene	1271-28-9	year	1.2E-02	2.0E+00	1.0E-01
Nifurthiazole	3570-75-0	year	1.5E-03	2.5E-01	1.2E-02
Nitric acid	7697-37-2	1-hr	8.6E+01	1.6E-01	8.0E-03
Nitrilotriacetic acid	139-13-9	year	6.7E-01	1.1E+02	5.4E+00
Nitrilotriacetic acid, trisodium salt monohydrate	18662-53-8	year	3.4E-01	5.6E+01	2.8E+00
Nitrobenzene	98-95-3	year	2.5E-02	4.1E+00	2.0E-01
Nitrofen	1836-75-5	year	4.3E-02	7.1E+00	3.5E-01

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
2-Nitrofluorene	607-57-8	year	5.5E-02	8.9E+00	4.5E-01
Nitrofurazone	59-87-0	year	2.7E-03	4.4E-01	2.2E-02
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555-84-0	year	2.0E-03	3.2E-01	1.6E-02
N-[4-(5-nitro-2-furyl)-2-thiazolyl]-acetamide	531-82-8	year	2.3E-03	3.8E-01	1.9E-02
Nitrogen dioxide	10102-44-0	1-hr	4.7E+02	8.7E-01	4.6E-01
2-Nitropropane	79-46-9	24-hr	2.0E+01	1.5E+00	7.4E-02
1-Nitropyrene	5522-43-0	year	5.5E-03	8.9E-01	4.5E-02
4-Nitropyrene	57835-92-4	year	5.5E-03	8.9E-01	4.5E-02
5-Nitroacenaphthene	602-87-9	year	1.6E-02	2.6E+00	1.3E-01
6-Nitrochrysene	7496-02-8	year	5.5E-05	8.9E-03	4.5E-04
N-Nitrosodiethanolamine	1116-54-7	year	1.3E-03	2.0E-01	1.0E-02
N-Nitrosodiethylamine	55-18-5	year	6.0E-05	1.0E-02	4.9E-04
N-Nitrosodimethylamine	62-75-9	year	1.3E-04	2.1E-02	1.1E-03
N-Nitrosodi-N-butylamine	924-16-3	year	3.2E-04	5.2E-02	2.6E-03
N-Nitrosodi-N-propylamine	621-64-7	year	5.0E-04	8.1E-02	4.1E-03
N-Nitrosodiphenylamine	86-30-6	year	3.8E-01	6.2E+01	3.1E+00
p-Nitrosodiphenylamine	156-10-5	year	1.6E-01	2.6E+01	1.3E+00
N-Nitrosomorpholine	59-89-2	year	5.3E-04	8.5E-02	4.3E-03
N-Nitroso-N-ethylurea	759-73-9	year	7.8E-05	1.3E-02	6.4E-04
N-Nitroso-N-methylethylamine	10595-95-6	year	1.6E-04	2.6E-02	1.3E-03
N-Nitroso-N-methylurea	684-93-5	year	1.8E-05	2.9E-03	1.4E-04
N-Nitroso-N-methylurethane	615-53-2	year	3.2E-05	5.2E-03	2.6E-04
N-Nitrososonicotinine	16543-55-8	year	2.5E-03	4.1E-01	2.0E-02
N-Nitrosopiperidine	100-75-4	year	3.7E-04	6.0E-02	3.0E-03
N-Nitrosopyrrolidine	930-55-2	year	1.7E-03	2.7E-01	1.4E-02
Oleum	8014-95-7	1-hr	1.2E+02	2.2E-01	1.1E-02
Ozone	10028-15-6	1-hr	1.8E+02	3.3E-01	2.0E-02
Parathion	56-38-2	24-hr	2.0E-05	1.5E-06	7.4E-08
Pentachlorophenol	87-86-5	year	2.2E-01	3.5E+01	1.8E+00
Perchloroethylene	127-18-4	year	1.6E-01	2.7E+01	1.3E+00
Phenacetin	62-44-2	year	1.6E+00	2.6E+02	1.3E+01
Phenazopyridine	94-78-0	year	2.0E-02	3.3E+00	1.7E-01
Phenazopyridine hydrochloride	136-40-3	year	2.3E-02	3.8E+00	1.9E-01
Phenesterin	3546-10-9	year	2.3E-05	3.8E-03	1.9E-04
Phenobarbital	50-06-6	year	7.7E-03	1.2E+00	6.2E-02
Phenol	108-95-2	24-hr	2.0E+02	1.5E+01	7.4E-01
Phenoxybenzamine	59-96-1	year	1.1E-03	1.8E-01	9.1E-03
Phenoxybenzamine hydrochloride	63-92-3	year	1.3E-03	2.1E-01	1.1E-02
o-Phenylphenate, sodium	132-27-4	year	1.2E+00	1.9E+02	9.4E+00
Phosgene	75-44-5	24-hr	3.0E-01	2.2E-02	1.1E-03
Phosphine	7803-51-2	24-hr	8.0E-01	5.9E-02	3.0E-03
Phosphoric acid	7664-38-2	24-hr	7.0E+00	5.2E-01	2.6E-02
Phosphorus	7723-14-0	24-hr	2.0E+01	1.5E+00	7.4E-02
Phosphorus, white	12185-10-3	24-hr	2.0E+01	1.5E+00	7.4E-02
Phthalic anhydride	85-44-9	24-hr	2.0E+01	1.5E+00	7.4E-02
Polybrominated biphenyls	==	year	1.2E-04	1.9E-02	9.4E-04
Polybrominated diphenyl ethers (PBDEs) [containing less than 10 bromine atoms]	==	24-hr	6.0E+00	4.4E-01	2.2E-02
Polychlorinated biphenyls (PCBs), NOS	1336-36-3	year	1.8E-03	2.8E-01	1.4E-02
PCB 77 (3,3',4,4'-tetrachlorobiphenyl)	32598-13-3	year	2.6E-04	4.3E-02	2.1E-03
PCB 81 (3,4,4',5-tetrachlorobiphenyl)	70362-50-4	year	9.1E-05	1.5E-02	7.4E-04
PCB 105 (2,3,3',4,4'-pentachlorobiphenyl)	32598-14-4	year	9.1E-04	1.5E-01	7.4E-03

Common Name	CAS #	Averaging Period	ASIL (µg/m³)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
PCB 114 (2,3,4,4',5-pentachlorobiphenyl)	74472-37-0	year	9.1E-04	1.5E-01	7.4E-03
PCB 118 (2,3',4,4',5-pentachlorobiphenyl)	31508-00-6	year	9.1E-04	1.5E-01	7.4E-03
PCB 123 (2,3',4,4',5'-pentachlorobiphenyl)	65510-44-3	year	9.1E-04	1.5E-01	7.4E-03
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	9.1E-04	1.5E-01	7.4E-03
PCB 157 (2,3,3',4,4',5'-hexachlorobiphenyl)	69782-90-7	year	9.1E-04	1.5E-01	7.4E-03
PCB 167 (2,3',4,4',5,5'-hexachlorobiphenyl)	52663-72-6	year	9.1E-04	1.5E-01	7.4E-03
PCB 169 (3,3',4,4',5,5'-hexachlorobiphenyl)	32774-16-6	year	9.1E-07	1.5E-04	7.4E-06
PCB 189 (2,3,3',4,4',5,5'-heptachlorobiphenyl)	39635-31-9	year	9.1E-04	1.5E-01	7.4E-03
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	35822-46-9	year	2.6E-06	4.3E-04	2.1E-05
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-Hexachlorodibenzo-p-dioxin (HxCDD)	57653-85-7	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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3268-87-9	year	9.1E-05	1.5E-02	7.4E-04
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	40321-76-4	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
2,3,7,8-Tetrachlorodibenzo-p-dioxin & related compounds, NOS	==	year	2.6E-08	4.3E-06	2.1E-07
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	67562-39-4	year	2.6E-06	4.3E-04	2.1E-05
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	55673-89-7	year	2.6E-06	4.3E-04	2.1E-05
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	70648-26-9	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	57117-44-9	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
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	60851-34-5	year	2.6E-07	4.3E-05	2.1E-06
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	year	9.1E-05	1.5E-02	7.4E-04
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	57117-41-6	year	9.1E-07	1.5E-04	7.4E-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
Ponceau 3R	3564-09-8	year	2.2E-01	3.5E+01	1.8E+00
Ponceau MX	3761-53-3	year	7.7E-01	1.2E+02	6.2E+00
Potassium bromate	7758-01-2	year	7.1E-03	1.2E+00	5.8E-02
Procarbazine	671-16-9	year	2.5E-04	4.1E-02	2.0E-03
Procarbazine hydrochloride	366-70-1	year	2.9E-04	4.8E-02	2.4E-03
1,3-Propane sultone	1120-71-4	year	1.4E-03	2.4E-01	1.2E-02
Propionaldehyde	123-38-6	24-hr	8.0E+00	5.9E-01	3.0E-02
Propylene	115-07-1	24-hr	3.0E+03	2.2E+02	1.1E+01
Propylene glycol	57-55-6	24-hr	2.8E+01	2.1E+00	1.1E-01
Propylene glycol dinitrate	6423-43-4	24-hr	2.8E-01	2.1E-02	1.0E-03
Propylene glycol monomethyl ether	107-98-2	24-hr	7.0E+03	5.2E+02	2.6E+01
Propylene oxide	75-56-9	year	2.7E-01	4.4E+01	2.2E+00
Propylthiouracil	51-52-5	year	3.4E-03	5.6E-01	2.8E-02
Refractory ceramic fibers (fibers/cubic centimeter)	==	24-hr	3.0E-02	2.2E-03	1.1E-04
Reserpine	50-55-5	year	3.2E-04	5.2E-02	2.6E-03
Safrole	94-59-7	year	9.6E-03	1.6E+00	7.8E-02
Selenide, hydrogen	7783-07-5	1-hr	5.0E+00	9.3E-03	4.6E-04
Selenium & selenium compounds (other than hydrogen selenide)	==	24-hr	2.0E+01	1.5E+00	7.4E-02
Silica, crystalline (respirable)	7631-86-9	24-hr	3.0E+00	2.2E-01	1.1E-02
Sodium hydroxide	1310-73-2	1-hr	8.0E+00	1.5E-02	7.4E-04
Sodium sulfate	7757-82-6	1-hr	1.2E+02	2.2E-01	1.1E-02
Sterigmatocystin	10048-13-2	year	1.0E-04	1.6E-02	8.1E-04
Streptozotocin	18883-66-4	year	3.2E-05	5.2E-03	2.6E-04
Styrene	100-42-5	24-hr	8.7E+02	6.5E+01	3.2E+00

Common Name	CAS #	Averaging Period	ASIL ($\mu\text{g}/\text{m}^3$)	SQER (lb/averaging period)	De Minimis (lb/averaging period)
Styrene oxide	96-09-3	year	2.2E-02	3.5E+00	1.8E-01
Sulfate	95-06-7	year	1.9E-02	3.0E+00	1.5E-01
Sulfur dioxide	7446-09-5	1-hr	6.6E+02	1.2E+00	4.6E-01
Sulfur mustard	505-60-2	24-hr	2.0E-02	1.5E-03	7.4E-05
Sulfur trioxide	7446-11-9	1-hr	1.2E+02	2.2E-01	1.1E-02
Sulfuric acid	7664-93-9	24-hr	1.0E+00	7.4E-02	3.7E-03
Tertiary-butyl acetate	540-88-5	year	7.7E-01	1.2E+02	6.2E+00
1,1,1,2-Tetrachloroethane	630-20-6	year	1.4E-01	2.2E+01	1.1E+00
1,1,2,2-Tetrachloroethane	79-34-5	year	1.7E-02	2.8E+00	1.4E-01
1,1,1,2-Tetrafluoroethane	811-97-2	24-hr	8.0E+04	5.9E+03	3.0E+02
Tetrahydrofuran	109-99-9	24-hr	2.0E+03	1.5E+02	7.4E+00
Thioacetamide	62-55-5	year	5.9E-04	1.0E-01	4.8E-03
4,4-Thiodianiline	139-65-1	year	2.3E-04	3.8E-02	1.9E-03
Thiourea	62-56-6	year	4.8E-02	7.7E+00	3.9E-01
Titanium tetrachloride	7550-45-0	24-hr	1.0E-01	7.4E-03	3.7E-04
Toluene	108-88-3	24-hr	5.0E+03	3.7E+02	1.9E+01
Toluene diisocyanates (2,4- and 2,6-)	26471-62-5	24-hr	8.0E-03	5.9E-04	3.0E-05
Toluene-2,4-diisocyanate	584-84-9	24-hr	8.0E-03	5.9E-04	3.0E-05
Toluene-2,6-diisocyanate	91-08-7	24-hr	8.0E-03	5.9E-04	3.0E-05
o-Toluidine	95-53-4	year	2.0E-02	3.2E+00	1.6E-01
o-Toluidine hydrochloride	636-21-5	year	2.7E-02	4.4E+00	2.2E-01
Toxaphene (polychlorinated camphenes)	8001-35-2	year	2.9E-03	4.8E-01	2.4E-02
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	24-hr	5.0E+03	3.7E+02	1.9E+01
1,1,2-Trichloroethane (vinyl trichloride)	79-00-5	year	6.3E-02	1.0E+01	5.1E-01
Trichloroethylene (TCE)	79-01-6	year	2.1E-01	3.4E+01	1.7E+00
2,4,6-Trichlorophenol	88-06-2	year	3.2E-01	5.2E+01	2.6E+00
1,2,3-Trichloropropane	96-18-4	24-hr	3.0E-01	2.2E-02	1.1E-03
Triethylamine	121-44-8	24-hr	2.0E+02	1.5E+01	7.4E-01
1,2,3-Trimethylbenzene	526-73-8	24-hr	6.0E+01	4.4E+00	2.2E-01
1,2,4-Trimethylbenzene	95-63-6	24-hr	6.0E+01	4.4E+00	2.2E-01
1,3,5-Trimethylbenzene	108-67-8	24-hr	6.0E+01	4.4E+00	2.2E-01
Tryptophan-P-1	62450-06-0	year	1.4E-04	2.2E-02	1.1E-03
Tryptophan-P-2	62450-07-1	year	1.1E-03	1.8E-01	8.9E-03
Uranium, insoluble compounds, NOS	==	24-hr	8.0E-01	5.9E-02	3.0E-03
Uranium, soluble salts, NOS	==	24-hr	4.0E-02	3.0E-03	1.5E-04
Vanadium (fume or dust)	7440-62-2	24-hr	1.0E-01	7.4E-03	3.7E-04
Vanadium pentoxide	1314-62-1	1-hr	3.0E+01	5.6E-02	2.8E-03
Vinyl acetate	108-05-4	24-hr	2.0E+02	1.5E+01	7.4E-01
Vinyl bromide	593-60-2	24-hr	3.0E+00	2.2E-01	1.1E-02
Vinyl chloride	75-01-4	year	1.1E-01	1.8E+01	9.2E-01
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	2.2E+02	1.6E+01	8.2E-01
m-Xylene	108-38-3	24-hr	2.2E+02	1.6E+01	8.2E-01
o-Xylene	95-47-6	24-hr	2.2E+02	1.6E+01	8.2E-01
p-Xylene	106-42-3	24-hr	2.2E+02	1.6E+01	8.2E-01

NOS - Not otherwise specified. This applies to situations where emission factors for a group of pollutants is reported, but specific isomers, congeners, or chemicals are not reported.