

Reporting and SOTA thresholds for HAPs

(Potential to emit)

CAS <u>Number</u>	<u>Air Contaminant</u>	Reporting Threshold (lbs/yr)	SOTA Thres- hold (lbs/yr)
75070	Acetaldehyde	1,800	10,000
60355	Acetamide	200	2,000
75058	Acetonitrile	800	8,000
98862	Acetophenone	200	2,000
53963	2-Acetylaminofluorene	1	10
107028	Acrolein	8	80
79061	Acrylamide	4	40
79107	Acrylic acid	120	1,200
107131	Acrylonitrile	60	600
107051	Allyl chloride	200	2,000
92671	4-Aminobiphenyl	200	2,000
62533	Aniline	200	2,000
90040	o-Anisidine	200	2,000
71432	Benzene	N/A <sup>3</sup>	4,000
92875	Benzidine	0.06	0.6
98077	Benzotrichloride	1.2	12
100447	Benzyl chloride	20	200
92524	Biphenyl	2,000	10,000
117817	Bis(2-ethylhexyl)phthalate	1000	10,000
542881	Bis(chloromethyl)ether	0.06	0.6
75252	Bromoform	2,000	10,000
106990	1,3-Butadiene	14	140
156627	Calcium cyanamide	2,000	10,000
133062	Captan	2,000	10,000
63252	Carbaryl	2,000	10,000
75150	Carbon disulfide	200	2,000
56235	Carbon tetrachloride	N/A <sup>4</sup>	2,000
463581	Carbonyl sulfide	1,000	10,000
120809	Catechol	1,000	10,000
133904	Chloramben	200	10,000
57749	Chlordane	2	20
7782505	Chlorine	20	200
79118	Chloroacetic acid	20	200
532274	2-Chloroacetophenone	12	120
108907	Chlorobenzene	2,000	10,000
510156	Chlorobenzilate	80	800
67663	Chloroform	N/A <sup>5</sup>	1,800
107302	Chloromethyl methyl ether	20	200
126998	Chloroprene	200	2,000
1319773	Cresols/Cresylic acid	200	2,000
95487	o-Cresol	200	2,000
108394	m-Cresol	200	2,000
106445	p-Cresol	200	2,000
98828	Cumene	2,000	10,000
94757	2,4-D, salts and esters	2,000	10,000
547044	DDE	2	20
334883	Diazomethane	200	2,000
132649	Dibenzofurans	1,000	10,000
96128	1,2-Dibromo-3-chloro- propane	2	200
84742	Dibutylphthalate	2,000	10,000
106467	1,4-Dichlorobenzene	600	6,000
91941	3,3-Dichlorobenzidine	40	400
111444	Dichloroethyl ether	12	120

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		<u>(lbs/yr)</u>	<u>hold</u>
			<u>(lbs/yr)</u>
542756	1,3-Dichloropropene	200	2000
62737	Dichlorvos	40	400
111422	Diethanolamine	1,000	10,000
121697	N,N-Dimethylaniline	200	2,000
64675	Diethyl sulfate	200	2,000
119904	3,3-Dimethoxybenzidine	20	200
60117	4-Dimethyl aminoazo- benzene	200	2,000
119937	3,3-Dimethyl benzidine	1.6	16
79447	Dimethyl carbamoyl chloride	4	40
68122	Dimethyl formamide	200	2,000
57147	1,1-Dimethyl hydrazine	1.6	16
131113	Dimethyl phthalate	2,000	10,000
77781	Dimethyl sulfate	20	200
534521	4,6-Dinitro-o-cresol	20	200
51285	2,4-Dinitrophenol	200	2,000
121142	2,4-Dinitrotoluene	4	40
123911	1,4-Dioxane	N/A <sup>6</sup>	10,000
122667	1,2-Diphenylhydrazine	18	180
106898	Epichlorohydrin	400	4,000
106887	1,2-Epoxybutane	200	2,000
140885	Ethyl acrylate	200	2,000
100414	Ethyl benzene	2,000	10,000
51796	Ethyl carbamate	160	1,600
75003	Ethyl chloride	2,000	10,000
106934	Ethylene dibromide	20	200
107062	Ethylene dichloride	N/A <sup>8</sup>	1,60
107211	Ethylene glycol	2,000	10,000
151564	Ethylene imine	0.6	6
75218	Ethylene oxide	20	200
96457	Ethylene thiourea	120	1,200
75343	Ethylidene dichloride	200	2,000
50000	Formaldehyde	400	4,000
76448	Heptachlor	4	40
118741	Hexachlorobenzene	2	20
87683	Hexachlorobutadiene	180	1,800
77474	Hexachlorocyclopentadiene	20	200
67721	Hexachloroethane	1,000	10,000
822060	Hexamethylene-1,6- diisocyanate	4	40
680319	Hexamethylphosphoramide	2	20
110543	Hexane	2,000	10,000
302012	Hydrazine	0.8	8.
7647010	Hydrochloric acid	2,000	10,000
7664393	Hydrogen fluoride	20	200
123319	Hydroquinone	200	2,000
78591	Isophorone	2,000	10,000
58899	Lindane	2	20
108316	Maleic anhydride	200	2,000
67561	Methanol	2,000	10,000
72435	Methoxychlor	2,000	10,000
74839	Methyl bromide	2,000	10,000
74873	Methyl chloride	2,000	10,000
71556	Methyl chloroform	2,000	10,000
78933	Methyl ethyl ketone	2,000	10,000
60344	Methyl hydrazine	12	120

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74884	Methyl iodide	200	2,000
108101	Methyl isobutyl ketone	2,000	10,000
624839	Methyl isocyanate	20	200
80626	Methyl methacrylate	2,000	10,000
1634044	Methyl tert butyl ether	2,000	10,000
101144	4,4-Methylene bis(2-chloraniline)	40	400
75092	Methylene chloride	2,000	10,000
101688	4,4-Methylene diphenyl diisocyanate	20	200
101779	4,4'-Methylene dianiline	200	2,000
91203	Naphthalene	2,000	10,000
98953	Nitrobenzene	200	2,000
92933	4-Nitrobiphenyl	200	2,000
100027	4-Nitrophenol	1,000	10,000
79469	2-Nitropropane	200	2,000
684935	N-Nitroso-N-methylurea	0.04	0.4
62759	N-Nitrosodimethylamine	0.2	2
59892	N-Nitrosomorpholine	200	2,000
56382	Parathion	20	200
82688	Pentachloronitrobenzene	60	600
87865	Pentachlorophenol	140	1,400
108952	Phenol	20	200
106503	p-Phenylenediamine	2,000	10,000
75445	Phosgene	20	200
7803512	Phosphine	1,000	10,000
7723140	Phosphorus	20	200
85449	Phthalic anhydride	1,000	10,000
1336363	Polychlorinated biphenyls	1.8	18
1120714	1,3-Propane sultone	6	60
57578	beta-Propiolactone	20	200
123386	Propionaldehyde	1,000	10,000
114261	Propoxur	2,000	10,000
78875	Propylene dichloride	200	2,000
75569	Propylene oxide	1,000	10,000
75558	1,2-Propylenimine	0.6	60
91225	Quinoline	1.2	120
106514	Quinone	1,000	10,000
100425	Styrene	200	2,000
96093	Styrene oxide	200	2,000
1746016	2,3,7,8-TCDD	.00012	.0012
79345	1,1,2,2-Tetrachloroethane	60 <sup>10</sup>	600
127184	Tetrachloroethylene	N/A <sup>11</sup>	10,000
7550450	Titanium tetrachloride	20	200
108883	Toluene	2,000	10,000
95807	2,4-Toluene diamine	4	40
584849	2,4-Toluene diisocyanate	20	200
95534	o-Toluidine	200	2,000
8001352	Toxaphene	2	20
120821	1,2,4-Trichlorobenzene	2,000	10,000
79005	1,1,2-Trichloroethane	N/A <sup>12</sup>	2,000
79016	Trichloroethylene	N/A <sup>13</sup>	10,000
95954	2,4,5-Trichlorophenol	200	2,000
88062	2,4,6-Trichlorophenol	1,200	10,000
121448	Triethylamine	2,000	10,000
1582098	Trifluralin	1,800	10,000
540841	2,2,4-Trimethylpentane	1,000	10,000

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		<u>(lbs/yr)</u>	<u>hold</u>
			<u>(lbs/yr)</u>
108054	Vinyl acetate	200	2,000
593602	Vinyl bromide	120	1,200
75014	Vinyl chloride	40	400
75354	Vinylidene chloride	80	800
1330207	Xylenes	2,000	10,000
95476	o-Xylenes	2,000	10,000
108380	m-Xylenes	2,000	10,000
106423	p-Xylenes	2,000	10,000
<b>CHEMICAL COMPOUND CLASSES</b>			
	Antimony compounds <sup>14</sup>	1000	10,000
7783702	Antimony pentafluoride	20	200
8300745	Antimony potassium tartrate	200	2,000
1309644	Antimony trioxide	200	2,000
1345046	Antimony trisulfide	20	2,000
	Arsenic and inorganic arsenic compounds	1	10
7784421	Arsine	1	10
—	Beryllium compounds <sup>15</sup>	1.6	16
—	Beryllium salts	0.004	0.04
—	Cadmium compounds	2	20
130618	Cadmium oxide	2	20
—	Chromium compounds <sup>16</sup>	1000	10,000
—	Hexavalent chromium compounds	0.4	4
	Trivalent chromium compounds	1000	10,000
10025737	Chromic chloride	2.0	20
744084	Cobalt metal and compounds <sup>17</sup>	20	200
10210681	Cobalt carbonyl	20	200
62207765	Fluomine	20	200
—	Coke oven emissions	6	60
—	Cyanide compounds	1,000	10,000
0151508	Potassium cyanide	20	200
143339	Sodium cyanide	20	200
—	Glycol ethers <sup>19</sup>	1,000	10,000
110805	2-Ethoxy ethanol	2,000	10,000
111762	Ethylene glycol monobutyl ether	2,000	10,000
109864	2-Methoxy ethanol	2,000	10,000
—	Lead and compounds <sup>20</sup>	2	20
78002	Tetraethyl lead	2	20
75741	Tetramethyl lead	2	20
7439965	Manganese and compounds <sup>21</sup>	160	1,600
12108133	Methylcyclopentadienyl manganese	20	200
—	Mercury compounds <sup>22</sup>	2	20
—	Elemental mercury	2	20
748794	Mercuric chloride	2	20
10045940	Mercuric nitrate	2	20
62384	Phenyl mercuric acetate	2	20
—	Nickel compounds <sup>23</sup>	200	2,000
13463393	Nickel carbonyl	20	200
12035722	Nickel refinery dust	16	160
—	Nickel subsulfide	8	80
—	Polycyclic organic matter <sup>24</sup>	2	20

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56553	Benz(a)anthracene	2	20
225514	Benz(c)acridine	2	20
50328	Benzo(a)pyrene	2	20
205992	Benzo(b)fluoranthene	2	20
218019	Chrysene	2	20
53703	Dibenz(a,h)anthracene	2	20
189559	1,2:7,8-Dibenzopyrene	2	20
57976	7,12-Dimethylbenz(a) anthracene	2	20
193395	Indeno(1,2,3-c,d)pyrene	2	20
7782492	Selenium compounds <sup>25</sup>	20	200
7783075	Hydrogen selenide	20	200
7488564	Selenium sulfide (mono and di)	20	200
13410010	Sodium selenate	20	200
10102188	Sodium selenite	20	200
—	Total dioxin and furans <sup>26</sup>	0.00012	0.0012

<sup>3</sup> The reporting threshold for this air contaminant is based on hourly, rather than annual, emissions. Because this air contaminant is a TXS subject to the reporting threshold in Table A, the reporting threshold for this contaminant is 0.01 pounds per hour.

<sup>4</sup> See footnote 3.

<sup>5</sup> See footnote 3.

<sup>6</sup> See footnote 3.

<sup>7</sup> Emissions of this air contaminant must be reported if emissions exceed either the hourly emissions reporting threshold for a TXS in Table A (.01 pounds per hour), or the annual emissions threshold listed above in Table B.

<sup>8</sup> See footnote 3.

<sup>9</sup> See footnote 7.

<sup>10</sup> See footnote 7.

<sup>11</sup> See footnote 3.

<sup>12</sup> See footnote 3.

<sup>13</sup> See footnote 3.

<sup>14</sup> Some compounds or subgroups included in this chemical group are also individually named in this table. If a compound or subgroup is individually listed, the threshold listed for the compound or subgroup takes precedence over the threshold listed for the chemical group as a whole. If a compound or subgroup is not individually listed, the threshold for the entire chemical group applies to each compound or subgroup included in the chemical group.

<sup>15</sup> See footnote 14.

<sup>16</sup> See footnote 14.

<sup>17</sup> See footnote 14.

<sup>18</sup> See footnote 14.

<sup>19</sup> See footnote 14.

<sup>20</sup> See footnote 14.

<sup>21</sup> See footnote 14.

<sup>22</sup> See footnote 14.

<sup>23</sup> See footnote 14.

<sup>24</sup> See footnote 14.

<sup>25</sup> See footnote 14.

<sup>26</sup> As defined in EPA/625/3-87/012, Interim Procedures for Estimating Risks Associated with Exposure to Mixtures of Chlorinated-p-Dioxins and Dibenzofurans.