

⊙ : Highly Recommended ○ : Recommended

Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
<b>A</b>							
1	Acetaldehyde	75-07-0				○	
2	Acetamide	60-35-5					P3R
3	Acetic acid	64-19-7	⊙		○		P2RC
4	Acetic anhydride	108-24-7	⊙		○		
5	Acetone	67-64-1				○	
6	Acetone cyanohydrine	75-86-5	⊙		○		
7	Acetonitrile	75-05-8	⊙		○		
8	Acetylene	74-86-2					○
9	Acetyl chloride	75-36-5			○		P2RC
10	o-Acetylsalicylic acid	50-78-2					P2R
11	Acrolein	107-02-8				○	
12	Acrylamide	79-06-1					P3R
13	Acrylic acid	79-10-7	⊙		○		P2RC
14	Acrylonitrile	107-13-1	⊙		○		
15	Aldrin	309-00-2					P3R
16	Allyl alcohol	107-18-6	⊙		○		
17	Allylamine	107-11-9	⊙		○		
18	Allyl bromide	106-95-6	⊙		○		
19	Allyl chloride	107-05-1				○	
20	Allyl glycidyl ether	106-92-3	⊙		○		
21	Allyl isocyanate	1476-23-9	⊙		○		P2RC
22	Allyl propyl disulfide	2179-59-1			○		P2RC
23	Aluminium	7429-90-5					P2R
24	Aluminium hydroxide	21645-51-2					P2R
25	Aluminium oxide	1344-28-1					P2R
26	Aluminium alkyl compounds	—	⊙		○		P2RC
27	p-Aminoazobenzene	60-09-3					P3R
28	o-Aminoazotoluene	97-56-3					P3R
29	4-Aminodiphenyl	92-67-1					P3R
30	3-Amino-9-ethylcarbazole	132-32-1					P2R
31	2-Aminoethanol	141-43-5	⊙		○		P2RC
32	2-Aminopyridine	504-29-0					P2R
33	Amitrole (3-Amino-1,2,4-triazole)	61-82-5					P3R
34	Ammonia	7664-41-7		⊙	○		
35	Ammonium chloride fume	12125-02-9					P2R
36	Ammonium sulfamate	7773-06-0					P2R
37	n-Amyl acetate (1-Pentyl acetate)	628-63-7	⊙		○		
38	sec-Amyl acetate (2-Pentyl acetate)	626-38-0	⊙		○		
39	Aniline	62-53-3	⊙		○		
40	Anisidine, o-isomer	90-04-0	⊙		○		P3RC
41	Anisidine, p-isomer	104-94-9					P2R
42	Anthracene	120-12-7					P2R
43	Antimony and compounds, as Sb	7440-36-0					P3R
44	Antimony penta chloride	7647-18-9			○		P3RC
45	Antimony trioxide, as Sb	1309-64-4					P3R
46	ANTU (α-Naphthylthiourea)	86-88-4					P2R
47	p-Aramide, fibrous dust	26125-61-1					P2R

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48	Argon	7440-37-1					○
49	Arsenic and inorganic compounds (except arsine), as As	7440-38-2				P3R	
50	Arsenic acid and its salts, as As	7778-39-4				P3R	
51	Arsenic pentoxide, as AS	1303-28-2				P3R	
52	Arsenic trioxide, as AS	1327-53-3				P3R	
53	Arsenous acid and its salts, as As	13464-58-9				P3R	
54	Arsine	7784-42-1					○
55	Asbestos, all forms	1332-21-4 12001-28-4 12172-73-5 7536-66-4 77536-67-5 77536-68-6 132207-32-0				P3R	
56	Asphalt fume (Bitumen)	8052-42-4	⊙		○	P2RC	
57	Atrazine	1912-24-9				P2R	
58	Auramine	492-80-8				P3R	
59	Azinphos-methyl (Guthion®)	86-50-0				P2R	
<b>B</b>							
60	Barium and soluble compounds, as Ba	7440-39-3				P2R	
61	Barium chloride	10326-27-9				P3R	
62	Benomyl	17804-35-2				P3R	
63	Beechwood dust	—				P3R	
64	Benzaldehyde	100-52-7	⊙		○		
65	Benzene	71-43-2	⊙		○	P2RC	
66	Benzidine	92-87-5				P3R	
67	Benzo[a]pyrene	50-32-8				P3R	
68	Benzo[e]pyrene	192-97-2				P2R	
69	Benzoyl peroxide (Dibenzoyl peroxide)	94-36-0				P2R	
70	Benzylamine	100-46-9	⊙		○	P2RC	
71	Benzyl butyl phthalate	85-68-7	⊙		○		
72	Benzyl chloride	100-44-7			○		
73	Berillium and compounds, as Be	7440-41-7					○
74	4,4'-Bis(dimethylamino)benzophenone (Micher's ketone)	90-94-8				P3R	
75	Biphenyl (Diphenyl)	92-52-4				P2R	
76	Bismuth telluride, Undoped	1304-82-1				P2R	
77	Bismuth telluride, Se-doped, as Bi <sub>2</sub> Te <sub>3</sub>	1304-82-1				P2R	
78	Borax (Sodium tetraborate)	1330-43-4				P2R	
79	Boric acid	10043-35-3				P2R	

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80	Boron oxide	1303-86-2					P2R	
81	Boron tribromide	10294-33-4						○
82	Boron trifluoride	7637-07-2						○
83	Bromacil	314-40-9					P3R	
84	2-Bromobutane	78-76-2	⊙		○			
85	Bromine	7726-95-6			○			
86	Bromine pentafluoride	7789-30-2						○
87	Bromobenzene	108-86-1	⊙		○			
88	1-Bromo-2-chloroethane	107-04-0	⊙		○			
89	Bromoethane (Ethyl bromide)	74-96-4				○		
90	Bromoethylene (Vinyl bromide)	593-60-2				○		
91	Bromoform (Tribromomethane)	75-25-2	⊙		○		P2RC	
92	Bromomethane (Methyl bromide)	74-83-9				○		
93	2-Bromopentane	107-81-3	⊙		○			
94	1,3-Butadiene	106-99-0				○		
95	n-Butanal (Butyraldehyde)	123-72-8	⊙		○			
96	n-Butane	106-97-8				○		
97	1,4-Butane sultone	1633-83-6	⊙		○		P2RC	
98	2,4-Butane sultone	1121-03-5	⊙		○		P2RC	
99	1-Butanol (n-Butyl alcohol)	71-36-3	⊙		○			
100	2-Butanol (sec-Butyl alcohol)	78-92-2	⊙		○			
101	2-Butanone (Methyl ethyl ketone)	78-93-3	⊙		○			
102	2-Butanone peroxide (Methyl ethyl ketone peroxide)	1338-23-4					P2R	
103	2-Butenal (Crotonaldehyde)	4170-30-3	⊙		○			
104	2-Butoxyethanol (EGBE)	111-76-2	⊙		○			
105	2-Butoxyethyl acetate (EGBEA)	112-07-2	⊙		○			
106	n-Butyl acetate (1-Butyl acetate)	123-86-4	⊙		○			
107	sec-Butyl acetate (2-Butyl acetate)	105-46-4	⊙		○			
108	tert-Butyl acetate	540-88-5	⊙		○			
109	n-Butyl acrylate	141-32-2	⊙		○			
110	n-Butylamine	109-73-9	⊙		○			
111	sec-Butylamine	13952-84-6				○		
112	tert-Butyl chromate, as CrO <sub>3</sub>	1189-85-1					P2R	
113	Butyl formate	592-84-7	⊙		○			
114	n-Butyl glycidyl ether (BGE)	2426-08-6	⊙		○		P2RC	
115	tert-Butyl glycidyl ether	7665-72-7	⊙		○			

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116	tert-Butyl hydroperoxide	75-91-2			○		
117	n-Butyl lactate	138-22-7	⊙		○	P2RC	
118	n-Butyl mercaptan (Butanethiol)	109-79-5			○		
119	n-Butyl methacrylate	97-88-1	⊙		○	P2RC	
120	tert-Butyl peroxyacetate	107-71-1			○	P2RC	
121	o-sec-Butyl phenol	89-72-5	⊙		○	P2RC	
122	p-tert-Butyl phenol	98-54-4				P2R	
123	Butyl stearate	123-95-5	⊙		○	P2RC	
124	p-tert-Butyltoluene	98-51-1	⊙		○		
<b>C</b>							
125	Cadmium and compounds, as Cd	7440-43-9				P3R	
126	Cadmium chloride, as Cd	10108-64-2				P3R	
127	Cadmium oxide, as Cd	1306-19-0				P3R	
128	Cadmium sulfate, as Cd	1306-23-6				P3R	
129	Calcium arsenate, as As	7778-44-1				P3R	
130	Calcium bisulfide solution	13780-03-5			○	P2RC	
131	Calcium carbonate	1317-65-3				P2R	
132	Calcium chromate, as Cr	13765-19-0				P3R	
133	Calcium cyanamide	156-62-7				P2R	
134	Calcium hydroxide	1305-62-0				P2R	
135	Calcium oxide	1305-78-8				P2R	
136	Camphor, synthetic	76-22-2				P2R	
137	Caprolactam	105-60-2				P2R	
138	Captafol	2425-06-1				P3R	
139	Captan	133-06-2				P3R	
140	Carbaryl (Sevin®)	63-25-2				P2R	
141	Carbofuran	1563-66-2				P3R	
142	Carbon black	1333-86-4				P3R	
143	Carbon dioxide	124-38-9					○
144	Carbon disulfide	75-15-0			○		
145	Carbon monoxide	630-08-0					○
146	Carbon tetrabromide	558-13-4				P2R	
147	Carbon tetrachloride	56-23-5	⊙		○		
148	Carbonyl fluoride	353-50-4					○
149	Cellulose	9004-34-6				P2R	
150	Chlordane	57-74-9				P3R	
151	Chlordecone (Kepone®)	143-50-0	⊙		○	P3RC	
152	Chlorine	7782-50-5			○		
153	Chlorine dioxide	10049-04-4			○		
154	Chlorine trifluoride	7790-91-2					○
155	Chloroacetaldehyde	107-20-0	⊙		○		
156	2-Chloroacetophenone (Phenacyl chloride) (CN)	532-27-4	⊙		○	P2RC	
157	Chloroacetyl chloride	79-04-9	⊙		○		
158	p-Chloroaniline	106-47-8				P3R	
159	Chlorobenzene (Monochlorobenzene)	108-90-7	⊙		○		
160	o-Chlorobenzylidene malononitrile (CS)	2698-41-1				P3R	

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161	Chlorobromomethane (Bromochloromethane)	74-97-5	⊙		○		
162	Chlorodiphenyl, 42% chlorine	53469-21-9	⊙		○		
163	Chlorodiphenyl, 54% chlorine	11097-69-1	⊙		○	P3RC	
164	Chloroform (Trichloromethane)	67-66-3				○	
165	N-Chloroformyl-morpholine	15159-40-7	⊙		○	P2RC	
166	bis(Chlorometyl)ether	542-88-1			○		
167	Chloromethyl methyl ether (CMME ; Methyl chloromethyl ether)	107-30-2				○	
168	3-Chloro-2-methyl-1-propene	563-47-3	⊙		○		
169	1-Chloronaphthaline	90-13-1	⊙		○		
170	1-Chloro-1-nitropropane	600-25-9			○	P2RC	
171	1-Chloropentane	543-59-9	⊙		○		
172	Chloropicrin (Trichloronitromethane)	76-06-2	⊙		○		
173	β-Chloroprene (2-Chloro-1.3-butadiene)	126-99-8				○	
174	1-Chloropropane	540-54-5				○	
175	2-Chloropropane (Isopropyl chloride)	75-29-6				○	
176	o-Chlorostyrene	2039-87-4	⊙		○		
177	o-Chlorotoluene	95-49-8			○		
178	4-Chloro-o-toluidine	95-69-2	⊙		○	P3RC	
179	5-Chloro-o-toluidine	95-79-4	⊙		○	P2RC	
180	Chlorpyrifos	2921-88-2	⊙		○	P3RC	
181	Chromic acid and chromates, as Cr	7738-94-5				P3R	
182	Chromite, as Cr	—				P2R	
183	Chromium (III) inorganic compounds, as Cr	7440-47-3				P2R	
184	Chromium (VI) inorganic compounds, water-soluble, as Cr	—				P3R	
185	Chromium (VI) inorganic compounds, insoluble, as Cr	—				P3R	
186	Chromium carbonyl	13007-92-6					○
187	Chromium (III) oxide	1308-38-9				P2R	
188	Chromium oxychloride	14977-61-8			○		
189	Citric acid	77-92-9				P2R	
190	Coal dust, anthracite	—				P2R	
191	Coal dust, bituminous or lignite	—				P2R	
192	Coal tar pitch volatiles, as benzene soluble aerosol	65996-93-2	⊙		○	P3RC	
193	Cobalt and compounds	7440-48-4				P3R	
194	Cobalt (II) acetate tetrahydrate	6147-53-1				P2R	
195	Coconut oil	—				P2R	
196	Copper, dusts and mists, as Cu	7440-50-8				P2R	
197	Copper, fume, as Cu	7440-50-8				P2R	
198	Copper (II) chloride	7447-39-4				P2R	
199	Copper (II) sulfate	7758-98-7				P2R	

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200	Cotton dust, raw, untreated	—				P3R	
201	Cresol, all isomers	1319-77-3	⊙		○	P2RC	
202	Cumene	98-82-8	⊙		○		
203	Cumene hydroperoxide	80-15-9			○		
204	Cyanamide	420-04-2			○	P2RC	
205	Cyanides, as CN	—			○	P3RC	
206	Cyanogen	460-19-5					○
207	Cyanogen bromide	506-68-3			○	P3RC	
208	Cyanogen chloride	506-77-4					○
209	Cyanuric chloride	108-77-0			○	P2RC	
210	Cyclohexane	110-82-7	⊙		○	P2RC	
211	Cyclohexanol	108-93-0	⊙		○	P2RC	
212	Cyclohexanone	108-94-1	⊙		○		
213	Cyclohexene	110-83-8	⊙		○		
214	Cyclohexylamine	108-91-8	⊙		○		
215	Cyclonite (RDX)	121-82-4				P2R	
216	1,3-Cyclopentadiene	542-92-7					○
217	Cyclopentanone	120-92-3	⊙		○		
<b>D</b>							
218	2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7				P2R	
219	DDT (Dichlorodiphenyltrichloro-ethane)	50-29-3				P3R	
220	Decaborane	17702-41-9					○
221	n-Decane	124-18-5	⊙		○		
222	1-Decanol	112-30-1	⊙		○	P2RC	
223	Demeton (Systox®)	8065-48-3	⊙		○	P3RC	
224	Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)	123-42-2	⊙		○		
225	Diacetyl peroxide	110-22-5			○	P2RC	
226	2,4-Diaminoanisole	615-05-4				P3R	
227	3,3'-Diaminobenzidine	91-95-2				P2R	
228	3,3'-Diaminobenzidine tetrahydrochloride	7411-49-5				P2R	
229	4,4'-Diamino-3,3'-dimethyldiphenylmethane	838-88-0				P3R	
230	2,4-Diaminotoluene (Toluene-2,4-diamine)	95-80-7				P3R	
231	Diatomaceous earth, calcinated	99439-28-8				P2R	
232	Diatomaceous earth, uncalcinated	61790-53-2				P3R	
233	Diazinon®	333-41-5	⊙		○	P3RC	
234	Diazomethane	334-88-3					○
235	Dibenzylamine	103-49-1	⊙		○		
236	Dibenzylether	103-50-4	⊙		○	P2RC	
237	Diborane	19287-45-7					○
238	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	⊙		○	P3RC	
239	1,2-Dibromoethane	106-93-4	⊙		○	P3RC	
240	2-N-Dibutylaminoethanol	102-81-8	⊙		○	P2RC	
241	Dibutyl ether	142-96-1	⊙		○		

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242	Dibutyl phosphate	107-66-4	⊙		○			
243	Dibutyl phthalate	84-74-2	⊙		○			
244	Dichloroacetylene	7572-29-4				○		
245	o-Dichlorobenzene	95-50-1	⊙		○			
246	m-Dichlorobenzene	541-73-1	⊙		○			
247	p-Dichlorobenzene	106-46-7	⊙		○		P3RC	
248	3,3'-Dichlorobenzidine	91-94-1					P3R	
249	1,4-Dichloro-2-butene	764-41-0	⊙		○		P3RC	
250	2,2'-Dichlorodiethyl ether	111-44-4	⊙		○			
251	Dichlorodiisopropyl ether	108-60-1	⊙		○			
252	Dichlorodimethyl ether	4885-02-3	⊙		○		P2RC	
253	1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5					P2R	
254	1,1-Dichloroethane	75-34-3				○		
255	1,2-Dichloroethane	107-06-2	⊙		○			
256	1,1-Dichloroethene	75-35-4				○		
257	cis-1,2-Dichloroethene	156-59-2				○		
258	trans-1,2-Dichloroethene	156-60-5				○		
259	Dichloromethane	75-09-2				○		
260	1,2-Dichloromethoxyethane	41683-62-9	⊙		○		P2RC	
261	1,1-Dichloro-1-nitroethane	594-72-9	⊙		○		P2RC	
262	1,2-Dichloropropane	78-87-5	⊙		○			
263	1,3-Dichloro-2-propanol	96-23-1	⊙		○			
264	1,3-Dichloropropene	542-75-6	⊙		○			
265	2,2-Dichloropropionic acid	75-99-0	⊙		○		P2RC	
266	Dichlorotetrafluoroethane (1,2-Dichloro-1,1,2,2-tetrafluoroethane)	76-14-2				○		
267	2,4-Dichlorotoluene	95-73-8	⊙		○			
268	Dichlorvos (DDVP)	62-73-7	⊙		○		P3RC	
269	Dicyclohexylmethane-4,4'-diisocyanate	5124-30-1	⊙		○		P3RC	
270	Dicyclohexyl peroxide	1758-61-8	⊙		○		P2RC	
271	Dicyclohexyl phthalate	84-61-7					P2R	
272	Dicyclopentadiene	77-73-6	⊙		○		P2RC	
273	Dicyclopentadienyl iron, as Fe (Ferrocene)	102-54-5					P2R	
274	Dieldrin	60-57-1					P3R	
275	Diesel fuel	68476-30-2 68334-30-5 68476-34-6 77650-28-3	⊙		○			
276	Diethanolamine	111-42-2	⊙		○		P3RC	
277	Diethylamine	109-89-7				○		
278	2-Diethylaminoethanol	100-37-8			○			
279	Diethyl carbonate	105-58-8	⊙		○			
280	Diethylene glycol	111-46-6	⊙		○			
281	Diethylene triamine	111-40-0	⊙		○			
282	Diethyl ether (Ethyl ether)	60-29-7				○		
283	N,N-Diethylhydroxylamine (DEHA)	3710-84-7	⊙		○		P2RC	

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284	Diethyl oxalate	95-92-1	⊙		○			
285	Diethyl phtalate	84-66-2	⊙		○			
286	Diethyl sebacate	110-40-7	⊙		○	P2RC		
287	Diethyl sulfate	64-67-5	⊙		○			
288	Diethyl sulfide	352-93-2			○			
289	Difluorobromomethane	1511-62-2				○		
290	Difluorodibromomethane	75-61-6				○		
291	Diglycidyl ether (DGE)	2238-07-5	⊙		○	P2RC		
292	1,2-Dihydroxybenzene (Catechol)	120-80-9				P3R		
293	1,3-Dihydroxybenzene (Resorcinol)	108-46-3				P2R		
294	1,4-Dihydroxybenzene (Hydroquinone)	123-31-9				P3R		
295	Diisobutyl ketone	108-83-8	⊙		○			
296	Diisopropylamine	108-18-9	⊙		○			
297	Dilauroyl peroxide	105-74-8	⊙		○	P2RC		
298	3,3'-Dimethoxybenzidine	119-90-4				P3R		
299	1,1-Dimethoxyethane	534-15-6				○		
300	1,2-Dimethoxyethane	110-71-4	⊙		○			
301	Dimethoxymethane	109-87-5				○		
302	N,N-Dimethylacetamide	127-19-5	⊙		○			
303	Dimethylamine	124-40-3				○		
304	1-Dimethylamino-2-propanol	108-16-7	⊙		○			
305	N,N-Dimethylaniline	121-69-7	⊙		○	P2RC		
306	3,3'-Dimethylbenzidine (Tolidine)	119-93-7				P3R		
307	2,2-Dimethylbutane	75-83-2				○		
308	2,3-Dimethylbutane	79-29-8				○		
309	1,3-Dimethylbutyl acetate	108-84-9	⊙		○	P2RC		
310	Dimethylcarbamoyl chloride	79-44-7			○			
311	N,N-Dimethylcyclohexylamine	98-94-2	⊙		○			
312	Dimethyl disulfide	624-92-0			○			
313	N,N-Dimethylethanolamine	108-01-0	⊙		○			
314	Dimethyl ether	115-10-6				○		
315	N,N-Dimethylethylamine	598-56-1				○		
316	N,N-Dimethylformamide	68-12-2	⊙		○			
317	1,1-Dimethylhydrazine	57-14-7		⊙	○			
318	1,2-Dimethylhydrazine	540-73-8		⊙	○			
319	Dimethyl hydrogen phosphite	868-85-9	⊙		○			
320	N,N-Dimethylisopropylamine	996-35-0	⊙		○	P2RC		
321	Dimethyl phthalate	131-11-3	⊙		○	P2RC		
322	2,2-Dimethyl propane (Neopentane)	463-82-1				○		
323	Dimethyl sulfate	77-78-1	⊙		○			
324	Dimethyl sulfide	75-18-3	⊙		○			
325	1,2-Dinitrobenzene	528-29-0				P2R		
326	1,3-Dinitrobenzene	99-65-0				P2R		
327	1,4-Dinitrobenzene	100-25-4				P2R		
328	4,6-Dinitro-o-cresol	534-52-1				P3R		
329	1,5-Dinitronaphthalene	605-71-0				P2R		

⊙ : Highly Recommended ○ : Recommended

Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
330	2,6-Dinitronaphthalene	24824-26-8	⊙		○		P2RC
331	Dinitropyrene	78432-19-6					P2R
332	2,3-Dinitrotoluene	602-01-7					P2R
333	2,4-Dinitrotoluene	121-14-2					P3R
334	2,5-Dinitrotoluene	619-15-8					P2R
335	2,6-Dinitrotoluene	606-20-2					P3R
336	3,4-Dinitrotoluene	610-39-9					P2R
337	3,5-Dinitrotoluene	618-85-9					P2R
338	1,4-Dioxane	123-91-1	⊙		○		P3RC
339	Dioxathion	78-34-2				○	
340	1,3-Dioxolane	646-06-0	⊙		○		
341	Dipentene	138-86-3	⊙		○		
342	Diphenylamine	122-39-4					P2R
343	Diphenyl ether	101-84-8	⊙		○		P2RC
344	Diphenylmethane diisocyanate (MDI)	101-68-8	⊙		○		P3RC
345	Dipropylamine	142-84-7	⊙		○		
346	Dipropylene glycol methyl ether	34590-94-8	⊙		○		
347	Dipropyl ether	111-43-3	⊙		○		
348	Diquat dibromide	85-00-7					P3R
349	Disulfoton	298-04-4			○		P3RC
350	Disulfur dichloride (Sulfur monochloride)	10025-67-9			○		
351	Di-sec-octyl phthalate	117-81-7	⊙		○		
352	Disulfiram	97-77-8					P2R
353	2,6-Di-tert-butyl-p-cresol	128-37-0					P2R
354	Di-tert-butyl peroxide	110-05-4	⊙		○		
355	Diuron	330-54-1					P2R
356	1,2-Divinylbenzene	91-14-5	⊙		○		
357	1,3-Divinylbenzene	108-57-6	⊙		○		
358	Dodecylbenzene	123-01-3	⊙		○		
<b>E</b>							
359	Emery	1302-74-5					P2R
360	Endosulfan	115-29-7					P3R
361	Endrin	72-20-8					P3R
362	Enflurane	13838-16-9				○	P2RC
363	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	⊙		○		
364	EPN (O-Ethyl O-4-nitrophenyl phenyl phosphonothioate)	2104-64-5	⊙		○		P3RC
365	1,2-Epoxybutane	106-88-7				○	
366	Ethanol	64-17-5	⊙		○		
367	2-Ethoxyethanol (EGEE; Cellosolve)	110-80-5	⊙		○		
368	2-Ethoxyethyl acetate (EGEEA; Cellosolve acetate)	111-15-9	⊙		○		
369	Ethyl acetate	141-78-6	⊙		○		
370	Ethyl acrylate (Acrylic acid)	140-88-5	⊙		○		
371	Ethylamine	75-04-7				○	

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
372	Ethyl amyl ketone (5-Methyl-3-heptanone)	541-85-5	⊙		○		
373	Ethyl benzene	100-41-4	⊙		○		
374	Ethyl carbamate (Urethane)	51-79-6	⊙		○		P3RC
375	Ethyl chloride (Chloroethane)	75-00-3				○	
376	Ethyl chloroacetate	105-39-5	⊙		○		
377	Ethylene chlorohydrin (2-Chloroethanol)	107-07-3	⊙		○		
378	Ethylenediamine (1,2-Diaminoethane)	107-15-3	⊙		○		P2RC
379	Ethyleneimine (Aziridine)	151-56-4		⊙	○		
380	Ethylene glycol	107-21-1	⊙		○		
381	Ethylene glycol dinitrate (EGDN)	628-96-6	⊙		○		
382	Ethylene glycol monoisopropyl ether	109-59-1	⊙		○		
383	Ethylene oxide	75-21-8				○	
384	Ethyl formate (Formic acid ethyl ester)	109-94-4				○	
385	2-Ethyl-1-hexanol	104-76-7	⊙		○		
386	Ethyl mercaptane (Ethanethiol)	75-08-1				○	
387	4-Ethylmorpholine	100-74-3	⊙		○		
388	Ethyl propionate	105-37-3	⊙		○		
389	Ethyl silicate (Silicic acid tetraethyl ester)	78-10-4	⊙		○		
<b>F</b>							
390	Fenchlorophos	299-84-3	⊙		○		P2RC
391	Fention	55-38-9	⊙		○		P3RC
392	Ferbam	14484-64-1					P2R
393	Ferrocene	102-54-5					P2R
394	Ferrovandium dust	12604-58-9					P2R
395	Flour dust	—					P2R
396	Fluorides, as F	—			○		P2RC
397	Fluorine	7782-41-4			○		
398	Fluorobenzene	462-06-6	⊙		○		
399	Formaldehyde	50-00-0			○		
400	Formamide	75-12-7	⊙		○		P2RC
401	Formic acid	64-18-6			○		P2RC
402	Fuel oils	—	⊙		○		P2RC
403	Furan	110-00-9				○	
404	Furfural	98-01-1	⊙		○		
405	Furfuryl alcohol	98-00-0	⊙		○		
<b>G</b>							
406	Gasoline	86290-81-5 8006-61-9	⊙		○		
407	Gelatin	9000-70-8					P2R
408	Germanium tetrahydride	7782-65-2					○
409	Glass, fibrous or dust	—					P3R

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
410	Glutaraldehyde	111-30-8	⊙		○		
411	Glycerine	56-81-5	⊙		○	P2RC	
412	Glycidol (2,3-Epoxy-1-propanol)	556-52-5	⊙		○		
413	Glycidyl isopropyl ether	4016-14-2	⊙		○	P2RC	
414	Glyoxal	107-22-2				○	P3RC
415	Graphite, natural	7782-42-5					P2R
<b>H</b>							
416	Hafnium and compounds, as Hf	7440-58-6					P2R
417	Helium	7440-59-7					○
418	Halotane (2-Bromo-2-chloro-1,1,1-trifluoroethane)	151-67-7				○	
419	Heptachlor	76-44-8					P3R
420	n-Heptane	142-82-5	⊙		○		
421	2-Heptanone	110-43-0	⊙		○		
422	3-Heptanone	106-35-4	⊙		○		
423	4-Heptanone	123-19-3	⊙		○		
424	Hexachlorobenzene (HCB)	118-74-1					P3R
425	Hexachlorocyclopentadiene	77-47-4	⊙		○		
426	Hexachloroethane	67-72-1	⊙		○	P3RC	
427	Hexamethylenediamine	124-09-4	⊙		○	P2RC	
428	Hexamethylene diisocyanate	822-06-0	⊙		○		
429	Hexamethylenetetramine	100-97-0			○	P2RC	
430	Hexamethylphosphoramide	680-31-9	⊙		○	P3RC	
431	n-Hexane	110-54-3	⊙		○		
432	n-Hexanol	111-27-3	⊙		○		
433	2-Hexanone	591-78-6	⊙		○		
434	1-Hexene	592-41-6				○	
435	cis-2-Hexene	7688-21-3	⊙		○		
436	trans-2-Hexene	4050-45-7	⊙		○		
437	Hexylamine	111-26-2	⊙		○		
438	Hexylene glycol	107-41-5	⊙		○		
439	Hydrazine	302-01-2		⊙	○	P3RC	
440	Hydrazobenzene (1,2-Diphenylhydrazine)	122-66-7					P2R
441	Hydrazoic acid	7782-79-8			○		
442	Hydrogenated terphenyls	61788-32-7	⊙		○		
443	Hydrogen bromide	10035-10-6			○		
444	Hydrogen chloride	7647-01-0			○		
445	Hydrogen cyanide	74-90-8			○		
446	Hydrogen fluoride, as F	7664-39-3			○		
447	Hydrogen peroxide	7722-84-1			○		
448	Hydrogen selenide	7783-07-5			○		
449	Hydrogen sulfide	7783-06-4			○		
450	Hydroxylamine	7803-49-8			○		
451	2-Hydroxypropyl acrylate	999-61-1	⊙		○		
<b>I</b>							
452	Indene	95-13-6	⊙		○		
453	Indium and compounds, as In	7440-74-6					P3R

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
454	Inorganic fiber	—				P3R	
455	Iodine	7553-56-2	⊙		○	P3RC	
456	Iodoform	75-47-8	⊙		○	P2RC	
457	Iodomethane (Methyl iodide)	74-88-4				○	
458	Iron( II ) chloride	7758-94-3				P2R	
459	Iron( III ) chloride	7705-08-0				P2R	
460	Iron( II ) oxide	1345-25-1				P2R	
461	Iron( III ) oxide	1309-37-1				P2R	
462	Iron pentacarbonyl	13463-40-6	⊙		○		
463	Iron( II ) sulfide	1317-37-9				P2R	
464	Iron( III ) sulfide	12063-27-3				P2R	
465	Iron salts, soluble, as Fe	—				P2R	
466	Isoamyl acetate	123-92-2	⊙		○		
467	Isoamyl alcohol	123-51-3	⊙		○		
468	Isobutane	75-28-5				○	
469	Isobutanol (Isobutyl alcohol)	78-83-1	⊙		○		
470	Isobutyl acetate	110-19-0	⊙		○		
471	Isobutylamine	78-81-9	⊙		○		
472	Isobutylformate	542-55-2	⊙		○		
473	Isobutyraldehyde	78-84-2				○	
474	Isoflurane	26675-46-7				○	P2RC
475	Isooctane (2,2,4-Trimethylpentane)	540-84-1	⊙		○		
476	Isophorone	78-59-1	⊙		○		
477	Isophorone diisocyanate	4098-71-9	⊙		○		
478	Isopropyl acetate	108-21-4	⊙		○		
479	Isopropylamine	75-31-0				○	
480	N-Isopropylaniline	768-52-5				○	
481	Isopropyl ether	108-20-3	⊙		○		
482	Isopropyl nitrate	1712-64-7	⊙		○		P2RC
483	Isopropyl oil	—	⊙		○		P2RC
<b>J</b>							
484	Jet fuel	—	⊙		○		P2RC
<b>K</b>							
485	Kerosene	—	⊙		○		P2RC
<b>L</b>							
486	Lactic acid	50-21-5			○		P2RC
487	Lead and inorganic compounds, as Pb	7439-92-1					P3R
488	Lead alkyls	75-74-1 78-00-2	⊙		○		P3RC
489	Lead( II ) acetate trihydrate	6080-56-4					P2R
490	Lead arsenate	3687-31-8					P3R
491	Lead chromate	7758-97-6					P3R
492	Linseed oil	—	⊙		○		P2RC
493	Lindane (γ-Hexachlorocyclohexane)	58-89-9					P3RC
494	Lithium hydride	7580-67-8					P3R
495	Lithium hydroxide	1310-65-2					P2R
<b>M</b>							

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA	
		Gas Filter						
		A	K	ABEK	AX			
496	Magnesium chloride	7786-30-3					P2R	
497	Magnesium hydroxide	1309-42-8					P2R	
498	Magnesium oxide	1309-48-4					P2R	
499	Magnesium sulfate	7487-88-9					P2R	
500	Malathion	121-75-5	⊙		○		P2RC	
501	Maleic acid	110-16-7					P2R	
502	Maleic anhydride	108-31-6	⊙		○		P3RC	
503	Manganese and inorganic compounds, as Mn	7439-96-5					P2R	
504	Manganese, fume, as Mn	7439-96-5					P2R	
505	Manganese cyclopentadienyl tricarbonyl, as Mn	12079-65-1					P3R	
506	Manganese(IV) oxide	1313-13-9					P2R	
507	2-Mercaptoethanol	60-24-2			○			
508	Mercury and compounds, as Hg	7439-97-6						○
509	Mesityl oxide	141-79-7	⊙		○			
510	Methacrylic acid	79-41-4	⊙		○		P2RC	
511	Methacrylonitrile	126-98-7	⊙		○			
512	Methane	74-82-8						○
513	Methanol (Methyl alcohol)	67-56-1				○		
514	Methomyl	16752-77-5					P3R	
515	Methoxychlor	72-43-5					P2R	
516	2-Methoxyethanol (EGME)	109-86-4	⊙		○			
517	2-Methoxyethyl acetate (EGMEA)	110-49-6	⊙		○			
518	1-Methoxy-2-propanol	107-98-2	⊙		○			
519	2-Methoxy-1-propanol	1589-47-5	⊙		○			
520	1-Methoxy-2-propanol acetate	108-65-6	⊙		○			
521	2-Methoxy-1-propanol acetate	70657-70-4	⊙		○			
522	Methyl acetate	79-20-9				○		
523	Methyl acrylate	96-33-3	⊙		○			
524	Methylamine	74-89-5		⊙	○			
525	N-Methylaniline	100-61-8	⊙		○			
526	2-Methylbutane	78-78-4				○		
527	Methyl-tert-butyl ether	1634-04-4				○		
528	Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	⊙		○			
529	Methyl-2-cyanoacrylate	137-05-3				○		
530	Methylcyclohexane	108-87-2	⊙		○			
531	Methylcyclohexanol	25639-42-3	⊙		○			
532	2-Methylcyclohexanone	583-60-8	⊙		○			
533	Methyl demeton (Demeton-methyl)	8022-00-2	⊙		○		P3RC	
534	4,4'-Methylene-bis(2-chloroaniline) (MBOCA)	101-14-4					P3R	
535	4,4'-Methylene dianiline (4,4'-Diaminodiphenyl-methane)	101-77-9					P3R	
536	Methyl ethyl ketone peroxide	1338-23-4	⊙		○			

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
537	Methyl formate	107-31-3				○	
538	Methyl hydrazine	60-34-4			○		
539	Methyl isoamyl ketone (5-Methyl-2-hexanone)	110-12-3	⊙		○		
540	Methyl isobutyl carbinol (4-Methyl-2-pentanol)	108-11-2	⊙		○		
541	Methyl isobutyl ketone (4-Methyl-2-pentanone)	108-10-1	⊙		○		
542	Methyl isocyanate	624-83-9				○	
543	Methyl mercaptan (Methanethiol)	74-93-1				○	
544	Methyl mercury	22967-92-6					○
545	Methyl methacrylate	80-62-6	⊙		○		
546	Methyl parthion	298-00-0	⊙		○		P3RC
547	2-Methylpentane	107-83-5				○	
548	3-Methylpentane	96-14-0				○	
549	4-Methylpent-3-en-2-on	141-79-7	⊙		○		
550	2-Methyl-2-propanol (tert-Butyl alcohol)	75-65-0	⊙		○		P2RC
551	Methyl propyl ketone (2-Pentanone)	107-87-9	⊙		○		
552	2-Methyl-2-propanethiol	75-66-1				○	
553	Methyl propionate	554-12-1	⊙		○		
554	N-Methyl-2-pyrrolidone	872-50-4	⊙		○		
555	Methyl silicate	681-84-5	⊙		○		
556	α-Methyl styrene	98-83-9	⊙		○		
557	Mevinphos (Phosdrin®)	7786-34-7	⊙		○		P3RC
558	Mineral wool fiber	—					P2R
559	Molybdenum and compounds, as Mo	7439-98-7					P3R
560	Monochloroacetic acid	79-11-8					P2R
561	Morpholine	110-91-8	⊙		○		
562	Motor oils, used	—	⊙		○		P2RC
563	Mustard gas (2,2'-Dichlorodiethyl sulfide)	505-60-2			○		P3RC
<b>N</b>							
564	Naled (Dibrom)	300-76-5	⊙		○		P3RC
565	Naphtha, Benzin	8030-30-6	⊙		○		P2RC
566	Naphtha (petroleum), Hydrotreated heavy	64742-48-9	⊙		○		P2RC
567	Naphthalene	91-20-3	⊙		○		P3RC
568	1,5-Naphthalene diisocyanate (NDI)	3173-72-6					P2R
569	α-Naphthylamine (1-Naphthylamine)	134-32-7					P2R
570	β-Naphthylamine (2-Naphthylamine)	91-59-8					P3R
571	Neon	7440-01-9					○
572	Nickel	7440-02-0					P3R
573	Nickel carbonate	3333-67-3					P3R
574	Nickel chloride	7718-54-9					P3R

◎ : Highly Recommended ○ : Recommended

Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
575	Nickel oxide	1313-99-1					P3R
576	Nickel sulfide	16812-54-7					P3R
577	Nicotine	54-11-5	◎		○		
578	Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4					P2R
579	Nitric acid	7697-37-2			○		
580	5-Nitroacenaphthene	602-87-9					P3R
581	2-Nitro-4-aminophenol	119-34-6					P2R
582	4-Nitroaniline	100-01-6					P2R
583	Nitrobenzene	98-95-3	◎		○		P3RC
584	4-Nitrobiphenyl	92-93-3					P3R
585	Nitroethane	79-24-3	◎		○		
586	Nitrogen dioxide	10102-44-0			○		
587	Nitrogen monoxide	10102-43-9					○
588	Nitrogen trifluoride	7783-54-2					○
589	Nitroglycerin (Glyceryl trinitrate)	55-63-0	◎		○		P2RC
590	Nitromethane	75-52-5	◎		○		
591	1-Nitronaphthalene	86-57-7					P2R
592	2-Nitronaphthalene	581-89-5					P2R
593	5-Nitro-o-toluidine	99-55-8					P3R
594	2-Nitro-1,4-phenylenediamine	5307-14-2					P2R
595	1-Nitropropane	108-03-2	◎		○		
596	2-Nitropropane	79-46-9	◎		○		
597	1-Nitropyrene	5522-43-0					P3R
598	2-Nitropyrene	789-07-1					P2R
599	4-Nitropyrene	57835-92-4					P3R
600	N-Nitrosodiethanolamine (NDELA)	1116-54-7					P3R
601	N-Nitrosodiethylamine (NDEA)	55-18-5	◎		○		P3RC
602	N-Nitrosodiisopropylamine	601-77-4					P2R
603	N-Nitrosodimethylamine	62-75-9	◎		○		P2RC
604	N-Nitrosodi-n-butylamine (DBN)	924-16-3	◎		○		P3RC
605	N-Nitrosodi-n-propylamine (NDPA)	621-64-7	◎		○		P3RC
606	N-Nitrosoethylphenylamine	612-64-6					P2R
607	N-Nitrosomethylethylamine	10595-95-6	◎		○		P3RC
608	N-Nitrosomethylphenylamine	614-00-6	◎		○		P2RC
609	N-Nitrosomorpholine (NMOR)	59-89-2	◎		○		P3RC
610	N-Nitrosopiperidine (NPIP)	100-75-4	◎		○		P3RC
611	N-Nitrosopyrrolidine (NPYR)	930-55-2	◎		○		P3RC
612	2-Nitrotoluene	88-72-2	◎		○		
613	3-Nitrotoluene	99-08-1	◎		○		P3RC
614	4-Nitrotoluene	99-99-0					P2R
615	Nonane	111-84-2	◎		○		

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
616	Oakwood dust	—				P3R	
617	Octachloronaphthalene	2234-13-1				P3R	
618	n-Octane	111-65-9	⊙		○		
619	1-Octanol	111-87-5	⊙		○		
620	1-Octene	111-66-0	⊙		○		
621	Oil mist, mineral	8012-95-1	⊙		○	P2RC	
622	Osmium tetroxide	20816-12-0			○	P3RC	
623	Oxalic acid	144-62-7				P2R	
624	4,4'-Oxydianiline	101-80-4				P3R	
625	Oxygen difluoride	7783-41-7					○
626	Ozone	10028-15-6				○	
<b>P</b>							
627	Palmitic acid	57-10-3				P2R	
628	Paraffin wax fume	8002-74-2	⊙		○	P2RC	
629	Paraldehyde	123-63-7	⊙		○	P2RC	
630	Paraquat dichloride	1910-42-5				P3R	
631	Parathion	56-38-2	⊙		○	P3RC	
632	Pentaborane	19624-22-7					○
633	Pentachloroethane	76-01-7	⊙		○		
634	Pentachloronaphthalene	1321-64-8				P2R	
635	Pentachlorophenol	87-86-5				P3R	
636	Pentane	109-66-0				○	
637	n-Pentanol	71-41-0	⊙		○		
638	Peracetic acid	79-21-0			○	P2RC	
639	Perchloromethyl mercaptan	594-42-3	⊙		○	P2RC	
640	Perchloryl fluoride	7616-94-6			○		
641	Permethrin	52645-53-1	⊙		○	P2RC	
642	Phenol	108-95-2	⊙		○	P2RC	
643	Phenolphthalein dissolved in ethanol	77-09-8	⊙		○	P3RC	
644	Phenyl acetate	122-79-2	⊙		○	P2RC	
645	p-Phenylenediamine	106-50-3				P3R	
646	Phenyl ether	101-84-8	⊙		○	P2RC	
647	Phenyl ether/biphenyl mixture	8004-13-5	⊙		○	P2RC	
648	Phenyl glycidyl ether (PGE)	122-60-1	⊙		○	P2RC	
649	Phenylhydrazine	100-63-0	⊙		○	P3RC	
650	Phenyl isocyanate	103-71-9			○		
651	Phenyl mercaptan	108-98-5			○	P2RC	
652	N-Phenyl-β-naphthylamine	135-88-6				P2R	
653	Phenylphosphine	638-21-1					○
654	Phorate	298-02-2	⊙		○		
655	Phosgene (Carbonyl chloride)	75-44-5			○		
656	Phosphine	7803-51-2					○
657	Phosphoric acid	7664-38-2			○	P2RC	
658	Phosphorous acid	13598-36-2				P2R	
659	Phosphorus, Yellow	12185-10-3			○	P3RC	
660	Phosphorus oxychloride	10025-87-3			○	P2RC	
661	Phosphorus pentachloride	10026-13-8			○	P2RC	
662	Phosphorus pentasulfide	1314-80-3			○	P2RC	
663	Phosphorus pentoxide	1314-56-3			○	P2RC	
664	Phthalic anhydride	85-44-9	⊙		○	P2RC	

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
665	Picloram	1918-02-1				P2R	
666	Picric acid	88-89-1				P3R	
667	Platinum, soluble salts, as Pt	7440-06-4				P2R	
668	Polychlorinated biphenyls (PCBs)	1336-36-3				P3R	
669	Polyvinyl chloride (PVC)	9002-86-2				P2R	
670	Portland cement	65997-15-1				P2R	
671	Potassium chloride	7447-40-7				P2R	
672	Potassium chromate	7789-00-6				P3R	
673	Potassium cyanide, as CN	151-50-8				P3R	
674	Potassium hydroxide	1310-58-3				P2R	
675	Potassium sulfate	7778-80-5				P2R	
676	1,3-Propane sultone	1120-71-4	⊙		○	P3RC	
677	2-Propanethiol	75-33-2			○		
678	n-Propanol (n-Propyl alcohol)	71-23-8	⊙		○		
679	2-Propanol (Isopropyl alcohol)	67-63-0	⊙		○		
680	Propargyl alcohol	107-19-7	⊙		○		
681	β-Propiolactone	57-57-8	⊙		○		
682	Propionaldehyde (Propanal)	123-38-6			○		
683	Propionic acid	79-09-4			○		
684	Propoxur	114-26-1				P3R	
685	n-Propyl acetate	109-60-4	⊙		○		
686	Propylamine	107-10-8		⊙	○		
687	Propylene	115-07-1					○
688	Propylene glycol	57-55-6	⊙		○		
689	Propylene glycol dinitrate (PGDN)	6423-43-4	⊙		○	P2RC	
690	Propylene oxide (1,2-Epoxypropane)	75-56-9			○		
691	Propyleneimine	75-55-8	⊙		○	P3RC	
692	Propyl formate	110-74-7	⊙		○		
693	n-Propyl mercaptan	107-03-9			○		
694	Pyrethrum	8003-34-7	⊙		○	P2RC	
695	Pyridine	110-86-1	⊙		○		
<b>Q</b>							
696	Quinone (p-Benzoquinone)	106-51-4	⊙		○	P2RC	
<b>R</b>							
697	Rodium, elemental	7440-16-6				P2R	
698	Rotenone, commercial	83-79-4	⊙		○	P2RC	
<b>S</b>							
699	Salicylic acid	69-72-7				P2R	
700	Sarin (GB)	107-44-8	⊙		○	P3RC	
701	Selenium compounds, as Se	7782-49-2				P3R	
702	Silica, amorphous, fused	60676-86-0				P2R	
703	Silica, amorphous, silica fume	69012-64-2				P2R	

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA	
		Gas Filter						
		A	K	ABEK	AX			
704	Silica, crystalline, cristobalite	14464-46-1					P3R	
705	Silica, crystalline, α-quartz	14808-60-7					P3R	
706	Silicon carbide, fibrous dust	409-21-2					P3R	
707	Silicon carbide, nonfibrous	409-21-2					P2R	
708	Silver, metal	7440-22-4					P3R	
709	Silver, soluble compounds, as Ag	7440-22-4					P3R	
710	Soap solution	—					P2R	
711	Sodium azide	26628-22-8					P2R	
712	Sodium benzoate	532-32-1					P2R	
713	Sodium bisulfite	7631-90-5					P2R	
714	Sodium chlorate	7775-09-9					P2R	
715	Sodium chloride	7647-14-5					P2R	
716	Sodium chromate	7775-11-3					P2R	
717	Sodium cyanide, as CN	143-33-9			○		P3RC	
718	Sodium fluoroacetate	62-74-8			○		P3RC	
719	Sodium hydrogen carbonate	144-55-8					P2R	
720	Sodium hydroxide	1310-73-2					P2R	
721	Sodium metabisulfite	7681-57-4					P2R	
722	Sodium silicate	6834-92-0					P2R	
723	Sodium sulfate	7757-82-6					P2R	
724	Sodium thiosulfate	7772-98-7			○		P2RC	
725	Soman (GD)	96-64-0	◎		○		P3RC	
726	Stearic acid	57-11-4					P2R	
727	Stibine	7803-52-3						○
728	Stoddard solvent	8052-41-3	◎		○		P2RC	
729	Strontium chromate, as Cr	7789-06-2					P3R	
730	Strychnine	57-24-9					P3R	
731	Styrene, monomer	100-42-5	◎		○			
732	Subtilisin	1395-21-7					P3R	
733	Sulfotep (TEDP)	3689-24-5			○		P3RC	
734	Sulfur dichloride	10545-99-0			○			
735	Sulfur dioxide	7446-09-5			○			
736	Sulfuric acid	7664-93-9			○		P3RC	
737	Sulfur pentafluoride	5714-22-7			○			
738	Sulfur tetrafluoride	7783-60-0						○
739	Sulfur trioxide	7446-11-9			○		P2RC	
740	Sulfuryl chloride	7791-25-5			○			
741	Sulfuryl difluoride	2699-79-8						○
<b>T</b>								
742	2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)	93-76-5					P2R	
743	Tabun (GA)	77-81-6	◎		○		P3RC	
744	Talc, containing no asbestos fibers	14807-96-6					P2R	
745	Tannic acid and tannins	1401-55-4					P2R	
746	Tantalum, metal	7440-25-7					P2R	
747	Tar fumes	—					P2R	
748	Tartaric acid	526-83-0					P2R	
749	Tellurium and compounds, as Te	13494-80-9					P3R	
750	Tellurium hexafluoride, as Te	7783-80-4						○

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
751	Terpentine oil	—	⊙		○		
752	Terphenyls	26140-60-3				P2R	
753	1,1,2,2-Tetrabromoethane	79-27-6	⊙		○		
754	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6				P3R	
755	1,1,1,2-Tetrachloro-2,2-difluoroethane (FC-112a)	76-11-9	⊙		○	P2RC	
756	1,1,2,2-Tetrachloro-1,2-difluoroethane (FC-112)	76-12-0	⊙		○	P2RC	
757	1,1,2,2-Tetrachloroethane	79-34-5	⊙		○		
758	Tetrachloroethylene (Perchloroethylene)	127-18-4	⊙		○		
759	Tetrachloronaphthalene	1335-88-2				P2R	
760	Tetraethyl lead	78-00-2	⊙		○		
761	Tetraethyl pyrophosphate (TEPP)	107-49-3	⊙		○	P3RC	
762	Tetraethyl silicate	78-10-4	⊙		○		
763	Tetrahydrofuran	109-99-9	⊙		○		
764	Tetrahydrothiophene (THT)	110-01-0			○		
765	1,2,4,5-Tetramethylbenzene	95-93-2				P2R	
766	Tetramethyl lead	75-74-1	⊙		○		
767	Tetramethyl succinonitrile	3333-52-6	⊙		○	P3RC	
768	Tetranitromethane	509-14-8			○	P3RC	
769	1,3,6,8-Tetranitropyrene	28767-61-5				P2R	
770	Tetrasodium pyrophosphate	7722-88-5				P2R	
771	Tetryl (N-Methyl-N,2,4,6-tetranitroaniline)	479-45-8				P2R	
772	Thallium and soluble compounds, as Tl	7440-28-0				P3R	
773	4,4'-Thiobis(6-tert-butyl-m-cresol)	96-69-5				P2R	
774	4,4'-Thiodianiline	139-65-1				P3R	
775	Thioglycolic acid	68-11-1			○		
776	Thionyl chloride	7719-09-7			○		
777	Thiourea	62-56-6				P2R	
778	Thiram	137-26-8				P3R	
779	Tin(IV) chloride	7646-78-8			○		
780	Titanium dioxide	13463-67-7				P3R	
781	Toluene (Toluol)	108-88-3	⊙		○		
782	Toluene-2,4-diisocyanate	584-84-9	⊙		○	P3RC	
783	Toluene-2,6-diisocyanate	91-08-7	⊙		○	P3RC	
784	p-Toluidine	106-49-0	⊙		○	P3RC	
785	Tributyl phosphate	126-73-8	⊙		○		
786	Tri-n-butyltin benzoate	4342-36-3	⊙		○	P2RC	
787	Tri-n-butyltin chloride	1461-22-9			○		
788	Tri-n-butyltin fluoride	1983-10-4				P3R	
789	Tri-n-butyltin linoleate	24124-25-2	⊙		○	P2RC	
790	Tri-n-butyltin methacrylate	2155-70-6	⊙		○	P2RC	
791	Tri-n-butyltin naphthenate	85409-17-2	⊙		○		

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
792	Trichloroacetic acid	76-03-9					P3R
793	1,2,4-Trichlorobenzene	120-82-1	⊙		○		P2RC
794	2,3,4-Trichloro-1-butene	2431-50-7	⊙		○		
795	1,1,2-Trichloroethane	79-00-5	⊙		○		
796	Trichloroethylene	79-01-6	⊙		○		
797	Trichloronaphthalene	1321-65-9					P2R
798	1,2,3-Trichloropropane	96-18-4	⊙		○		
799	Tricyclohexyltin hydroxide	13121-70-5					P3R
800	Tridymite	15468-32-3					P3R
801	Triethanolamine	102-71-6	⊙		○		P2RC
802	Triethylamine	121-44-8	⊙		○		
803	Triethylene tetramine	112-24-3	⊙		○		
804	Trimanganese tetraoxide	1317-35-7					P2R
805	Trimellitic anhydride	552-30-7					P3R
806	Trimethylamine	75-50-3				○	
807	2,4,5-Trimethylaniline	137-17-7					P2R
808	1,2,3-Trimethyl benzene	526-73-8	⊙		○		
809	1,2,4-Trimethyl benzene	95-63-6	⊙		○		
810	1,3,5-Trimethyl benzene (Mesitylene)	108-67-8	⊙		○		
811	2,4,4-Trimethyl-1-pentene	107-39-1	⊙		○		
812	Trimethyl phosphate	512-56-1	⊙		○		
813	Trimethyl phosphite	121-45-9	⊙		○		
814	2,4,7-Trinitrofluorenone	129-79-3	⊙		○		P2RC
815	2,4,6-Trinitrotoluene (TNT)	118-96-7					P3R
816	1,3,6-Trinitropyrene	75321-19-6					P2R
817	Tri-o-tolyl phosphate	78-30-8	⊙		○		
818	Tri-p-tolyl phosphate	78-32-0					P2R
819	Triphenyl amine	603-34-9					P2R
820	Triphenyl phosphate	115-86-6	⊙		○		P2RC
821	Tungsten and insoluble compounds, as W	7440-33-7					P2R
822	Turpentine	8006-64-2	⊙		○		
<b>U</b>							
823	n-Undecane	1120-21-4	⊙		○		
824	Uranium, natural, soluble and insoluble compounds, as U	7440-61-1					P3R
<b>V</b>							
825	Vanadium pentoxide, as V	1314-62-1					P3R
826	Vinyl acetate	108-05-4	⊙		○		
827	Vinyl chloride (Chloroethylene)	75-01-4				○	
828	Vinyl toluene	25013-15-4	⊙		○		
829	VM & P naphtha	8032-32-4	⊙		○		
830	VX (nerve agent)	50782-69-9	⊙		○		P3RC
<b>W</b>							
831	Warfarin	81-81-2	⊙		○		P3RC
832	Welding fumes	—					P3R

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Substance	CAS No.	Recommended Filter				Particle Filter	Airline or SCBA
		Gas Filter					
		A	K	ABEK	AX		
833	White spirit	—	⊙		○		
834	Wood oil	—				P2R	
<b>X</b>							
835	o-Xylene	95-47-6	⊙		○		
836	m-Xylene	108-38-3	⊙		○		
837	p-Xylene	106-42-3	⊙		○	P2RC	
838	2,6-Xylenol (2,6-Dimethyl phenol)	576-26-1				P2R	
839	2,5-Xylenol (2,5-Dimethyl phenol)	95-87-4	⊙		○	P2RC	
840	2,4-Xylenol (2,4-Dimethyl phenol)	105-67-9				P2R	
841	2,3-Xylenol (2,3-Dimethyl phenol)	526-75-0				P2R	
842	3,4-Xylenol (3,4-Dimethyl phenol)	95-65-8	⊙		○	P2RC	
843	3,5-Xylenol (3,5-Dimethyl phenol)	108-68-9				P2R	
844	2,3-Xylidine	87-59-2	⊙		○	P3RC	
845	2,4-Xylidine	95-68-1	⊙		○	P2RC	
846	2,5-Xylidine	95-78-3	⊙		○	P2RC	
847	2,6-Xylidine	87-62-7	⊙		○	P3RC	
848	3,4-Xylidine	95-64-7	⊙		○	P3RC	
849	3,5-Xylidine	108-69-0	⊙		○	P3RC	
<b>Y</b>							
850	Yttrium and compounds, as Y	7440-65-5				P2R	
<b>Z</b>							
851	Zinc chloride, fume	7646-85-7				P2R	
852	Zinc chromates, as Cr	13530-65-9				P3R	
853	Zinc oxide, fume	1314-13-2				P2R	
854	Zinc sulfate	7733-02-0				P2R	
855	Zirconium compounds, as Zr	7440-67-7				P2R	