



maxisafe[®]
safety products

RESPIRATORY FILTER SELECTION

5

PROFESSIONAL RANGE

there's safe and there's Maxisafe.

RESPIRATORY FILTER SELECTION CHART



This **Filter Selection Chart** should be used as a guide only. An MSDS sheet should be consulted and concentration levels of the contaminants you are working with should be checked before deciding on a disposable or reusable respirator with filters. Some contaminant concentrations may require a higher level of protection such as a PAPR or SAR unit.

A Organic Vapours **B** Acid Gases **E** Sulphur Dioxide (SO₂) **K** Ammonia (NH₃) **P** Particulates

SUBSTANCE	CAS No.	RECOMMENDED FILTERS				Particle Filter	Airline or SCBA
		A	K	A B E K	AX		
A							
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-Aminotoluene	97-56-3					P3R	
29 4-Aminodiphenyl	92-67-1					P3R	
30 3-Amino-9-ethylcarbazol	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 sulfate	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-Aramid, fibrous dust	26125-61-1					P2R	
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							
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	

Substance	CAS No.	RECOMMENDED FILTERS				Particle Filter	Airline or SCBA
		A	K	A B E K	AX		
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 Beryllium and compounds, as Be	7440-41-7						■
74 4,4'-Bis(dimethylamino)benzophenone (Miche'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 ₂ Te ₃	1304-82-1						P2R
78 Borax (Sodium tetraborate)	1330-43-4						P2R
79 Boric acid	10043-35-3						P2R
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)	106-46-4	■		■			
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 ₃	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	■		■			
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	■		■			
C							
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

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		A	K	A B E K	AX		
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	
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(Chloromethyl)ether	542-88-1			■			
167 Chloromethyl methyl ether (MME ; Methyl chloromethyl ether)	107-30-2				■		
168 3-Chloro-2-methyl-1-propene	563-47-3	■		■			
169 1-Chloronaphthalene	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 () inorganic compounds, as Cr	7440-47-3					P2R	
184 Chromium () inorganic compounds, water-soluble, as Cr						P3R	
185 Chromium () inorganic compounds, insoluble, as Cr						P3R	
186 Chromium carbonyl	13007-92-6						■
187 Chromium () 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 () 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 () chloride	7447-39-4					P2R	
199 Copper () sulfate	7758-98-7					P2R	
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	■		■			

Substance	CAS No.	RECOMMENDED FILTERS				Particle Filter	Airline or SCBA
		A	K	A B E K	AX		
213 Cyclohexene	110-83-8	■		■			
214 Cyclohexylamine	108-91-8	■		■			
215 Cyclonite (FDX)	121-82-4						P2R
216 1,3-Cyclopentadiene	542-92-7				■		
217 Cyclopentanone	120-92-3	■		■			
D							
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	102-61-8	■		■			P2RC
241 Dibutyl ether	142-96-1	■		■			
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'-Dichloroethyl ether	111-44-4	■		■			
251 Dichlorodisopropyl 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 (Forrocene)	102-54-5						P2R
274 Dieltrin	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 Diethylene 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
284 Diethyl oxalate	95-92-1	■		■			
285 Diethyl phthalate	84-66-2	■		■			

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5 PROFESSIONAL RANGE

SUBSTANCE	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airtone or SCBA
		A	K	A B E K	AX			
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 Dilauryl 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	
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	■						
E								
359 Emery	1302-74-5						P2R	
360 Endsulfan	115-29-7						P3R	
361 Endrin	72-20-8						P3R	
362 Entofurane	13838-16-9						P2RC	

Substance	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airtone or SCBA
		A	K	A B E K	AX			
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							
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	■						
F								
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 Ferrovanadium 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	■						
G								
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	
410 Glutaraldehyde	111-30-8	■						
411 Glycerine	56-81-5	■					P2RC	
412 Glycidyl (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	
H								
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							

SUBSTANCE	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airline or SCBA
		A	K	A B E K	AX			
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 Hydrozoic 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	■						
I								
452 Indene	95-13-6	■						
453 Indium and compounds, as In	7440-74-6					P3R		
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() chloride	7758-94-3					P2R		
459 Iron() chloride	7705-08-0					P2R		
460 Iron() oxide	1345-25-1					P2R		
461 Iron() oxide	1309-37-1					P2R		
462 Iron pentacarbonyl	13463-40-6	■						
463 Iron() sulfide	1317-37-9					P2R		
464 Iron() sulfide	12063-27-3					P2R		
465 Iron salts, soluble, as Fe						P2R		
466 Isocamyl acetate	123-92-2	■						
467 Isocamyl 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 Isotlurane	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		
J								
484 Jet fuel		■				P2RC		
K								
485 Kerosene		■				P2RC		
L								
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() 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		
M								
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		

Substance	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airline or SCBA
		A	K	A B E K	AX			
503 Manganese and inorganic compounds, as Mn	7439-96-5						P2R	
504 Manganese, fume, as Mn	7439-96-5						P2R	
505 Manganese cyclopentadienyl tricarboxyl, as Mn	12079-65-1						P3R	
506 Manganese() 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	■						
537 Methyl formate	107-31-3							■
538 Methyl hydrazine	60-34-4							■
539 Methyl isocamyl 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	
N								
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	
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							

RESPIRATORY FILTER SELECTION CHART



SUBSTANCE	CAS No.	RECOMMENDED FILTERS				Particle Filter	Airline or SCBA
		A	K	A B E K	AX		
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 (Glycerol 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-Nitrosodethylamine (NDEA)	55-18-5	■		■		P3RC	
602 N-Nitrosodisopropylamine	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-Nitrosoethylethylamine	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	■		■			
O							
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						■
P							
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	100-60-3	■		■		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	■		■			

Substance	CAS No.	RECOMMENDED FILTERS				Particle Filter	Airline or SCBA
		A	K	A B E K	AX		
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	
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	■		■			
Q							
696 Quinone (p-Benzoquinone)	106-51-4	■		■			P2RC
R							
697 Radium, elemental	7440-16-6						P2R
698 Rotenone, commercial	83-79-4	■		■			P2RC
S							
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
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						■

SUBSTANCE	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airline or SCBA
		A	K	A B E K	AX			
728 Stoddard solvent	8052-41-3	■			■		P3RC	
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							■
T								
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							■
751 Turpentine 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() 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	1983-10-9						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	■			■			
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 tetroxide	1317-35-7						P2R	

Substance	CAS No.	RECOMMENDED FILTERS					Particle Filter	Airline or SCBA
		A	K	A B E K	AX			
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	■			■			
U								
823 n-Undecane	1120-21-4	■			■			
824 Uranium, natural, soluble and insoluble compounds, as U	7440-61-1						P3R	
V								
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	
W								
831 Warfarin	81-81-2	■			■		P3RC	
832 Welding fumes							P3R	
833 White spirit		■			■			
834 Wood oil							P2R	
X								
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	
Y								
850 Yttrium and compounds, as Y	7440-65-5						P2R	
Z								
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	
A1 Cartridges								
n Certified to ASNZ 1716								
n A1 Cartridges								

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