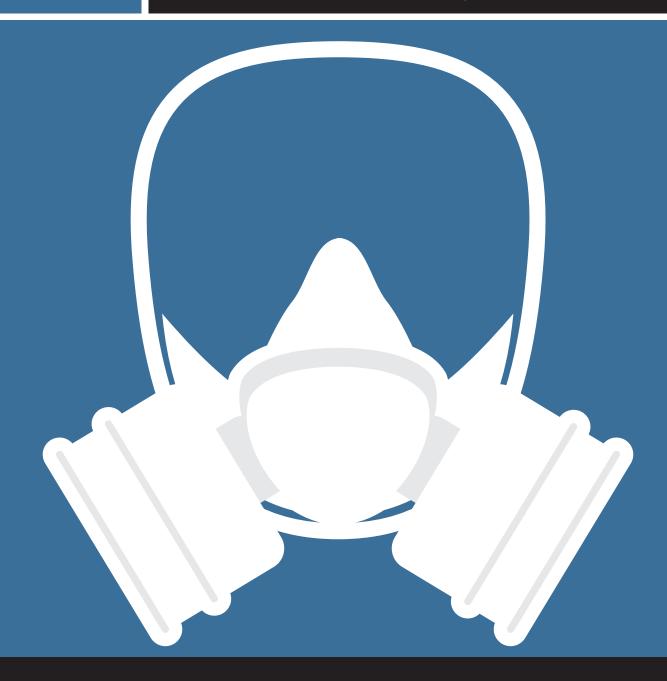


STS FILTER SELECTION GUIDE

TO PREVENT HARM FROM HAZARDOUS SUBSTANCES, TO PEOPLE AND THE ENVIRONMENT



FILTER SELECTION GUIDE

CAUTION

The efficacy of respiratory protection filters is dependent on the ambient atmosphere.

Do not use in the following environments or situations:

- ☑ Oxygen deficient atmosphere, i.e. < 19.5%. (STS definition. Individual countries may apply their own limits on oxygen deficiency)
- ✓ Oxygen only or oxygen-enriched atmosphere.
- ☑ Type, properties, concentration and composition of the hazardous agent is unknown.
- ☑ Concentrations of contaminants are immediately dangerous to life or health (IDLH).
- ☑ Confined spaces or any closed chambers such as containers, due to poor ventilation,.
- ☑ Atmosphere with mixed chemical substances (except for multi-gas filter, e.g. ABEK1 filter)
- ☑ Filters that show signs of damage.
- ☑ Gases, vapours and particles which cannot be removed by filter
- ☑ Environment where there is a possibility of explosion.

When using a particle filter, no hazardous gases may be present in the ambient air, when using a gas filter no hazardous particles. In case of doubt a combined filter must be used.

If you are in doubt concerning any of the points mentioned above, or if you believe the composition of your atmosphere at work has changed, use respiratory device that operates independently of the ambient air (e.g. SCBA, airline devices).

The following extract of industrial gases and toxic substances will guide you in making the correct choice of respiratory device and filter. In any case, final choice and use of filtering devices remain the responsibility of the user.

Always read the instructions provided with every device before use.

HOW TO READ THIS GUIDE

ln	case there	are two	kinds	of recom	mandad	filtors
111	case mere	are Iwo	KILICIS	$OII \cap COUI$	menaea	11111612.

indicates "Strongly Recommended"
indicates "Recommended"

In case there is only one kind of recommended filter:

only this is used.

Particle Filters which are intended to be used individually are marked with P3R or P2R. For those used in combination with a gas filter, they are marked with P3RC and P2RC.



Cubatanas	CAS No.	⊚: Highly Recommended O: Reco Recommended Filter Gas Filter Particle						
Substance	CAS No.	Α	K	ABEK	AV	Filter	or SCBA	
A		A	n	ABEN	AX	riiter	SUBP	
	75.07.0			1	_	1	_	
1 Acetaldehyde	75-07-0			+ +	0	DOD		
2 Acetamide	60-35-5			1		P3R		
3 Acetic acid	64-19-7	0		O		P2RC		
4 Acetic anhydride	108-24-7	0		0	~			
5 Acetone	67-64-1				0			
6 Acetone cyanohydrine	75-86-5	0		0		-		
7 Acetonitrile	75-05-8	0		0		-	_	
8 Acetylene	74-86-2					0000	0	
9 Acetyl chloride	75-36-5			0		P2RC		
10 o-Acetylsalicylic acid	50-78-2				_	P2R		
11 Acrolein	107-02-8				0			
12 Acrylamide	79-06-1					P3R		
13 Acrylic acid	79-10-7	0		0		P2RC		
14 Acrylonitrile	107-13-1	0		0				
15 Aldrin	309-00-2					P3R		
16 Allyl alcohol	107-18-6	0		0		1		
17 Allylamine	107-11-9	0		0				
18 Allyl bromide	106-95-6	0		0			-	
19 Allyl chloride	107-05-1				0			
20 Allyl glycidyl ether	106-92-3	0		0		1		
21 Allyl isocyanate	1476-23-9	0		0		P2RC		
22 Allyl propyl disulfide	2179-59-1	11 = 11		0		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		0		0		P2RC		
27 p-Aminoazobenzen	60-09-3					P3R		
28 o-Aminoazotoluene	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	0		0		P2RC		
32 2-Aminopyridine	504-29-0	1 2 5 1				P2R		
Amsihanda								
(3-Amino-1,2,4-triazole)	61-82-5		11.56			P3R	1,1	
34 Ammonia	7664-41-7		0	0				
35 Ammonium chloride fume	12125-02-9			1		P2R	-	
36 Ammonium sulfamate	7773-06-0					P2R		
37 n-Amyl acetate		500		+3.		121		
(1-Pentyl acetate)	628-63-7	0		0		1		
sec Amyl acetate	20.000.000	7.54		18.		1		
(2-Pentyl acetate)	626-38-0	0		0				
39 Aniline	62-53-3	0		0				
40 Anisidine, o-isomer	90-04-0	0		ŏ		P3RC		
41 Anisidine, p-isomer	104-94-9	9		-		P2R		
42 Anthracene	120-12-7					P2R		
43 Antimony and compounds, as Sb	7440-36-0					P3R		
	7647-18-9	-		0		P3RC		
44 Antimony penta chloride		-		U				
45 Antimony trioxide, as Sb	1309-64-4			-		P3R		
46 ANTU (α-Naphthylthiourea)	86-88-4	1 = 1.				P2R	2 1	
47 p-Aramide, fibrous dust	26125-61-1 7440-37-1	11				P2R	0	

		- 411			nly Recommende			Airline
	Substance	CAS No.			Filter		Particle	or
		2575.737	Α	K	ABEK	AX	Filter	SCBA
49	Arsenic and inorganic compounds	7440-38-2					P3R	
-	(except arsine), as As	W.C.10 E.5YE					1	
	Arsenic acid and its salts, as As	7778-39-4					P3R	
51	Arsenic pentoxide, as AS	1303-28-2	1 = 11				P3R	
	Arsenic trioxide, as AS	1327-53-3					P3R	
53	Arsenous acid and its salys, as As	13464-58-9					P3R	
54	Arsine	7784-42-1						0
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	15.27 (27.00 (3.00 (3.00))	0				DODG	
56	(Bitumen)	8052-42-4	0		0		P2RC	
57	Atrazine	1912-24-9			1 1		P2R	
58	Auramine	492-80-8					P3R	
59	Azinphos-methyl						-37.33	
59	(Guthion®)	86-50-0					P2R	
	В				•			
60	Barium and soluble compounds, as Ba	7440-39-3			T T		P2R	
	Barium chloride	10326-27-9					P3R	
	Benomyl	17804-35-2					P3R	
	Beechwood dust	-					P3R	
	Benzaldehyde	100-52-7	0		0		1.51	
	Benzene	71-43-2	0		0		P2RC	
	Benzidine	92-87-5			1 -		P3R	
_	Benzo[a]pyrene	50-32-8			1 1		P3R	
	Benzo[e]pyrene	192-97-2					P2R	
	Bonzovi porovido				1			
69	(Dibenzoyl peroxide)	94-36-0	1.5	1000	100		P2R	
70	Benzylamine	100-46-9	0		0		P2RC	
	Benzyl butyl phthalate	85-68-7	0		0		TENO	
	Benzyl chloride	100-44-7			ŏ		1	
73	Berillium and compounds, as Be	7440-41-7			1		1	0
1.3	14 A'-Ris (dimethylaming)henzonhenone						1723.2	
74	(Micher's ketone)	90-94-8					P3R	
53	Rinhenyl	22.220			1		1 222	
75	(Diphenyl)	92-52-4					P2R	
76	Bismuth telluride, Undoped	1304-82-1					P2R	
	Bismuth telluride, Se-doped, as Bi ₂ Te ₃	1304-82-1					P2R	
	Roray							
78	(Sodium tetraborate)	1330-43-4					P2R	
79	Boric acid	10043-35-3		_			P2R	
	Boron oxide	1303-86-2					P2R	
	Boron tribromide	10294-33-4					1	0
	Boron trifluoride	7637-07-2						Ö
	Bromacil	314-40-9	100				P3R	
	2-Bromobutane	78-76-2	0		0		, 511	
	Bromine	7726-95-6			ŏ			
	Bromine pentafluoride	7789-30-2						0
	Bromobenzene	108-86-1	0		0		1	0

					mmend			Airline	
ı	Substance	CAS No.			Filter	eu Fiile	Particle	or	
ı	Substance	CAS NO.				A 3/		SCBA	
- 00	1 Promo 2 oblevacthons	107.04.0	A ⊚	K	ABEK	AX	Filter	SCBA	
88	1-Bromo-2-chloroethane Bromoethane	107-04-0	0		0				
89	(Ethyl bromide)	74-96-4				0			
\vdash	Bromoethylene								
90	(Vinyl bromide)	593-60-2				0			
\vdash	Bromoform								
91	(Tribromomethane)	75-25-2	0		0		P2RC		
	Promomothono								
92	(Methyl bromide)	74-83-9				0			
93	2-Bromopentane	107-81-3	0		0				
94	1.3-Butadiene	106-99-0				0			
	n-Butanal		_						
95	(Butyraldehyde)	123-72-8	0		0				
96	n-Butane	106-97-8				0			
97	1,4-Butane sultone	1633-83-6	0		0		P2RC		
98	2.4-Rutane sultone	1121-03-5	0		Ö		P2RC		
00	1-Butanol	71-36-3	0		0				
		11-30-3	0						
100	2-Butanol	78-92-2	0		0				
	(Sec-Butyl alcohol)	10-92-2	0						
101	2-Butanone	78-93-3	0		0				
	1/N/10+by/1 0+by/1 1/0+0p0)	70-93-3	0						
102	2-Butanone peroxide	1338-23-4					P2R		
		1000-20-4					1 211		
103	2-Butenal	4170-30-3	0						
100	(Crotonaldehyde)	4170 00 0							
104	2-Butoxyethanol	111-76-2	0						
		1							
105	2-Butoxyethyl acetate	112-07-2	0						
106	n-Butyl acetate	123-86-4	0						
107	sec-Butyl acetate	105-46-4	0		0				
	(2-Butyl acetate)	540-88-5							
	tert-Butyl acetate	141-32-2	0		0				
	n-Butyl acrylate n-Butylamine	109-73-9	0		0				
	sec-Butylamine	13952-84-6				0			
	tert-Butyl chromate, as CrO ₃					-	P2R		
		1189-85-1					P2R		
113	Butyl formate	592-84-7	0		0				
114	n-Butyl glycidyl ether	2426-08-6	0				P2RC		
	I(BGE)								
	tert-Butyl glycidyl ether tert-Butyl hydroperoxide	7665-72-7	0		0				
_		75-91-2 138-22-7	©		0		P2RC		
H'''	n-Butyl lactate n-Butyl mercaptan						FZRU		
118	(Butanethiol)	109-79-5			0				
119	n-Butyl methacrylate	97-88-1	©		0		P2RC		
	tert-Butyl peroxyacetate	107-71-1			ŏ		P2RC		
	o-sec-Butyl phenol	89-72-5	0		ŏ		P2RC		
	p-tert-Butyl phenol	98-54-4					P2R		
	Butyl stearate	123-95-5	0		0		P2RC		
	p-tert-Butyltoluene	98-51-1	0		ŏ				
	ir	,							

The second second second				nly Recommende			Airline
Substance	CAS No.			Filter	W. 7 J. 15	Particle	or
240 sterile 2	100000000000000000000000000000000000000	Α	K	ABEK	AX	Filter	SCBA
С							
125 Cadmium and compounds, as Cd	7440-43-9			T		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			1 1		P3R	
129 Calcium arsenate, as As	7778-44-1					P3R	
30 Calcium bisulfide solution	13780-03-5			0		P2RC	
131 Calcium carbonate	1317-65-3			1 -		P2R	
132 Calcium chromate, as Cr	13765-19-0			1		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	
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						0
144 Carbon disulfide	75-15-0			0		1 1	
145 Carbon monoxide	630-08-0					1	0
146 Carbon tetrabromide	558-13-4					P2R	
147 Carbon tetrachloride	56-23-5	0		0		1	
148 Carbonyl fluoride	353-50-4			1		1	0
149 Cellulose	9004-34-6					P2R	
150 Chlordane	57-74-9					P3R	
Chlordopping		~					
(Kepone®)	143-50-0	0		0		P3RC	
152 Chlorine	7782-50-5			0			
153 Chlorine dioxide	10049-04-4			Ŏ			
154 Chlorine trifluoride	7790-91-2			-			0
155 Chloroacetaldehyde	107-20-0	0		0			
2-Chloroacetophenone							
(Phenacyl chloride) (CN)	532-27-4	0		0		P2RC	
157 Chloroacetyl chloride	79-04-9	0		0			
158 n-Chloroaniline	106-47-8			1		P3R	
Chlorobenzene (Managhlarahanzana)						1	
(Monochlorobenzene)	108-90-7	0		0			
o-Chlorobenzylidene malononitrile	2242 07 4					1.5.5	
(CS)	2698-41-1		11 11 11			P3R	
Chlorobromomothana	27.22						
(Bromochloromethane)	74-97-5	0		0			
162 Chlorodiphenyl, 42% chlorine	53469-21-9	0		0			
163 Chlorodiphenyl, 54% chlorine	11097-69-1	0		Ŏ		P3RC	
Chloroform					140	1.0110	
(Trichloromethane)	67-66-3				0		
165 N-Chloroformyl-morpholine	15159-40-7	0		0		P2RC	
166 his/Chlorometyl)ether	542-88-1	9		0		1 2110	
Chloromethyl methyl ether	1000 0000				1.6		
(CMME ; Methyl chloromethyl ether)	107-30-2	1			0		
168 3-Chloro-2-methyl-1-propene	563-47-3	0		0			

				mmend		O: Recor	Airline
Cubatanas	CACNO				eu Fiile		
Substance	CAS No.			Filter		Particle	or
		A	K	ABEK	AX	Filter	SCBA
169 1-Chloronaphthaline	90-13-1	0		0			
170 1-Chloro-1-nitropropane	600-25-9			0		P2RC	
171 1-Chloropentane	543-59-9	0		0			
Chloropicina	76-06-2	0		0			
	10002						
β-Chloroprene	126-99-8				0		
(2-Chloro-1.3-butadiene)							
174 1-Chrolopropane	540-54-5				0		
2-Chrolopropane (Isopropyl chloride)	75-29-6				0		
(Isopropyl chloride)							
176 o-Chlorostyrene	2039-87-4	0		0			
177 o-Chlorotoluene	95-49-8			0			
178 4-Chloro-o-toluidine	95-69-2	0		0		P3RC	
179 5-Chloro-o-toluidine	95-79-4	0		0		P2RC	
180 Chlorpyrifos	2921-88-2	0		0		P3RC	
181 Chromic acid and chromates, as Cr	7738-94-5					P3R	
182 Chromite, as Cr	-					P2R	
183 Chromium (III) inorganic compounds,	7440-47-3					P2R	
l las Cr	7440-47-3					FZR	
Chromium (VI) inorganic compounds,						P3R	
I lwater-soluble as Cr						FSK	
185 Chromium (VI) inorganic compounds, insoluble, as Cr						P3R	
insoluble, as Cr	-					Par	
186 Chromium carbonyl	13007-92-6						0
187 Chromium (Ⅲ) oxide	1308-38-9					P2R	
188 Chromium oxychloride	14977-61-8			0			
189 Citric acid	77-92-9					P2R	
190 Coal dust, anthracite	_					P2R	
101 Coal dust hituminous or lignite	_					P2R	
Coal tar pitch volatiles, as benzene	05000 00 0					DODO	
soluble aerosol	65996-93-2	0		0		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	
200 Cotton dust, raw, untreated	_					P3R	
201 Cresol, all isomers	1319-77-3	0		0		P2RC	
202 Cumene	98-82-8	<u> </u>		ŏ			
203 Cumene hydroperoxide	80-15-9			ŏ			
204 Cyanamide	420-04-2			ŏ		P2RC	
205 Cyanides, as CN	-			ŏ		P3RC	
206 Cyanogen	460-19-5			Ť			0
207 Cyanogen bromide	506-68-3			0		P3RC	
208 Cyanogen chloride	506-77-4			Ť			0
209 Cyanuric chloride	108-77-0			0		P2RC	
210 Cyclohexane	110-82-7	0		ŏ		P2RC	
211 Cyclohexanol	108-93-0	0		ŏ		P2RC	
212 Cyclohexanone	108-94-1	0		ŏ		1 2110	
213 Cyclohexanone	110-83-8	0		ŏ			
214 Cyclohexylamine	108-91-8	0		ŏ			
2. To yolo loxylamillo	1100 01-0						

	O: Highly	Recommended	0:	Recommended	
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Substance Cyclonite	CAS No.		Gas	Filter	2 5 7	Darticle	or	
215 Cyclonite	1000 185 (1)		Gas Filter			Particle		
Cyclonite Cyclonite		A	K	ABEK	AX	Filter	SCBA	
(RDX)	121-82-4	1111	117			P2R		
216 1,3-Cyclopentadiene	542-92-7	1 = 11			0			
217 Cyclopentanone	120-92-3	0		0				
D								
218 (2.4-D	20.20.0					1 1		
(2,4-Dichlorophenoxyacetic acid)	94-75-7					P2R		
DDT (Dichlorodiphenyltrichloro-ethane)	50-29-3					P3R		
220 Decaborane	17702-41-9						0	
221 n-Decane	124-18-5	0		0				
222 1-Decanol	112-30-1	0		0		P2RC		
Demeton (Systox®)	8065-48-3	0		0		P3RC		
Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)	123-42-2	0		0				
225 Diacetyl peroxide	110-22-5			0		P2RC		
226 2,4-Diaminoanisole	615-05-4		1			P3R		
227 3,3'-Diaminobenzidine	91-95-2					P2R		
228 3,3'-Diaminobenzidine	7411-49-5	- 1				P2R		
229 4,4'-Diamino-3,3'-	838-88-0					P3R		
230 2,4-Diaminotoluene	95-80-7					P3R		
(Toluene-2,4-diamine)	The financial of the		-			FSK		
231 Diatomaceous earth, calcinated	99439-28-8					P2R		
232 Diatomaceous earth, uncalcinated	61790-53-2					P3R		
233 Diazinon®	333-41-5	0		0		P3RC		
234 Diazomethane	334-88-3						0	
235 Dibenzylamine	103-49-1	0		0				
236 Dibenzylether	103-50-4	0		0		P2RC		
237 Diborane	19287-45-7		1				0	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0	li 📑 i	0		P3RC		
239 1,2-Dibromoethane	106-93-4	0		0		P3RC		
240 2-N-Dibutylaminoethanol	102-81-8	0		0		P2RC		
241 Dibutyl ether	142-96-1	0		0				
242 Dibutyl phosphate	107-66-4	0		0				
243 Dibutyl phthalate	84-74-2	0		0				
244 Dichloroacetylene	7572-29-4	-			0			
245 o-Dichlorobenzene	95-50-1	0		0	- 6.0			
246 m-Dichlorobenzene	541-73-1	0		0		11		
247 p-Dichlorobenzene	106-46-7	0		0		P3RC		
248 3,3'-Dichlorobenzidine	91-94-1	25.25				P3R		
249 1,4-Dichloro-2-butene	764-41-0	0		0		P3RC		
250 2,2'-Dichlorodiethyl ether	111-44-4	0		0				
251 Dichlorodiisopropyl ether	108-60-1	0		0		Dene		
252 Dichlorodimethyl ether	4885-02-3	0		0		P2RC		
253 1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5	-			_	P2R		
254 1,1-Dichloroethane	75-34-3			_	0			
255 1,2-Dichloroethane	107-06-2	0		0	_	-		
256 1,1-Dichloroethene	75-35-4				0			
257 cis-1,2-Dichloroethene	156-59-2				0			
258 trans-1,2-Dichloroethene 259 Dichloromethane	156-60-5 75-09-2				0	-		

							O: Recoi	Airline
ı	Oubstance	OAC No			mmend	ea Fiite		
ı	Substance	CAS No.			Filter		Particle	or
			Α	K	ABEK	AX	Filter	SCBA
260	1,2-Dichloromethoxyethane	41683-62-9	0		0		P2RC	
261	1,1-Dichloro-1-nitroethane	594-72-9	0		0		P2RC	
262	1,2-Dichloropropane	78-87-5	0		0			
	1,3-Dichloro-2-propanol	96-23-1	0		0			
264	1,3-Dichloropropene	542-75-6	0		0			
	2,2-Dichloropropipnic acid	75-99-0	0		Ö		P2RC	
	Dichlorotetrofluoroethane					_		
266	(1,2-Dichloro-1,1,2,2-	76-14-2				0		
267	2.4-Dichlorotoluene	95-73-8	0		0			
	Dichlorvos							
268	(DDVP)	62-73-7	0		0		P3RC	
269	Dicyclohexylmethane-4,4'-	5124-30-1	0		0		P3RC	
	Dicyclohexyl peroxide	1758-61-8	<u> </u>		Ö		P2RC	
	Dicyclohexyl phthalate	84-61-7					P2R	
	Dicyclopentadiene	77-73-6	0		0		P2RC	
	Diavolanantadianul iran aa Fa	11-13-0					FZRC	
273		102-54-5					P2R	
07.4	(Forrocene)	60.57.4					DOD	
2/4	Dieldrin	60-57-1 68476-30-2					P3R	
ı		I I						
275	Diesel fuel	68334-30-5	0					
	Diocol 1461	68476-34-6	•					
		77650-28-3						
276	Diethanolamine	111-42-2	0		0		P3RC	
277	Diethylamine	109-89-7				0		
278	2-Diethylaminoethanol	100-37-8			0			
279	Diethyl carbonate	105-58-8	0		0			
280	Diethylene glycol	111-46-6	0		0			
	Diethylene triamine	111-40-0	0		0			
	Diethylother					_		
282	(Ethyl other)	60-29-7				0		
—	N,N-Diethylhydroxylamine				_			
283	(DEHA)	3710-84-7	\odot		0		P2RC	
284	Diethyl oxalate	95-92-1	0		0			
	Diethyl phtalate	84-66-2	<u> </u>		ŏ			
	Diethyl sebacate	110-40-7	<u> </u>		ŏ		P2RC	
	Diethyl sulfate	64-67-5	<u> </u>		0		FZRC	
201	Diethyl sulfide							
	Diethyl sulfide	352-93-2			0			
_	Difluorobromomethane	1511-62-2				0		
	Difluorodibromomethane	75-61-6				0		
291	Diglycidyl ether (DGE)	2238-07-5	0		0		P2RC	
	(DGE)							
292	1,2-Dihydroxybenzene	120-80-9					P3R	
		120 00-0					1 311	
203	1,3-Dihydroxybenzene	108-46-3					P2R	
		100-40-0					1 211	
204	1,4-Dihydroxybenzene	123-31-9					P3R	
	(Hydroquinone)	123-31-8				<u></u>	FOR	
295	Diisobutyl ketone	108-83-8	0		0			
	Diisopropylamine	108-18-9	<u></u>		Ŏ			
	Dilauroyl peroxide	105-74-8	<u> </u>		ŏ		P2RC	
	3,3'-Dimethoxybenzidine	119-90-4					P3R	
	1,1-Dimethoxyethane	534-15-6				0	1 011	
	1,2-Dimethoxyethane	110-71-4	0		0	\vdash		
300	T1,2-Difficultoxyculatio	1110-71-4						

			lly Recomr			Airline		
Ouhatanaa	OAC No			mmende	ea Fiite		_	
Substance	CAS No.			Filter		Particle	or	
		Α	K	ABEK	AX	Filter	SCBA	
301 Dimethoxymethane	109-87-5				0			
302 N,N-Dimethylacetamide	127-19-5	0		0				
303 Dimethylamine	124-40-3				0			
304 1-Dimethylamino-2-propanol	108-16-7	0						
305 N,N-Dimethylaniline	121-69-7	0		0		P2RC		
306 3,3'-Dimethylbenzidine	119-93-7					P3R		
(Tolidine)						FSIX		
307 2,2-Dimethylbutane	75-83-2				0			
308 2,3-Dimethylbutane	79-29-8				0			
309 1,3-Dimethylbutyl acetate	108-84-9	0				P2RC		
310 Dimethylcarbamoyl chloride	79-44-7			0				
311 N,N-Dimethylcyclohexylamine	98-94-2	0		0				
312 Dimethyl disulfide	624-92-0			0				
313 N,N-Dimethylethanolamine	108-01-0	0		0				
314 Dimethyl ether	115-10-6			1	0			
315 N,N-Dimethylethylamine	598-56-1				ŏ			
316 N,N-Dimethyformamide	68-12-2	0						
317 1,1-Dimethylhydrazine	57-14-7		0	T ŏ				
318 1,2-Dimethylhydrazine	540-73-8		0	Ŏ				
319 Dimethyl hydrogen phosphite	868-85-9	0		l ŏ l				
320 N,N-Dimethylisopropylamine	996-35-0	<u> </u>		T ŏ		P2RC		
321 Dimethyl phthalate	131-11-3	<u> </u>		l ŏ l		P2RC		
322 2,2-Dimethyl propane				$+$ $\stackrel{\smile}{\smile}$ $+$		1 2110		
(Neopentane)	463-82-1				0			
323 Dimethyl sulfate	77-78-1	0						
324 Dimethyl sulfide	75-18-3	<u> </u>		1 6				
325 1,2-Dinitrobenzene	528-29-0			$+$ $\stackrel{\smile}{-}$ $+$		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		
	24824-26-8	0				P2RC		
330 2,6-Dinitronaphthalene	78432-19-6	<u> </u>		$+$ \bigcirc $+$		P2RC P2R		
331 Dinitropyrene				+				
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	0		0		P3RC		
339 Dioxathion	78-34-2				0			
340 1,3-Dioxolane	646-06-0	0		0				
341 Dipentene	138-86-3	0		0				
342 Diphenylamine	122-39-4					P2R		
343 Diphenyl ether	101-84-8	0		0		P2RC		
344 Diphenylmethane diisocyanate	101-68-8	0				P3RC		
[MDI)						1 3110		
345 Dipropylamine	142-84-7	0		0				
346 Dipropylene glycol methyl ether	34590-94-8	0		0				
347 Dipropyl ether	111-43-3	0		0				
348 Diquat dibromide	85-00-7					P3R		
349 Disulfoton	298-04-4			0		P3RC		

				mmende		O: Recor	Airline
Substance	CAS No.			Filter		Particle	or
	0.000.000	Α	K	ABEK	AX	Filter	SCBA
350 Disulfur dichloride	40005 07 0		1-0.7-				
(Sulfur monochloride)	10025-67-9			0			
351 Di-sec-octyl phthalate	117-81-7	0		0			
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	0		0			
355 Diuron	330-54-1					P2R	
356 1,2-Divinylbenzene	91-14-5	0		0			
357 1,3-Divinylbenzene	108-57-6	0	1	0			
358 Dodecylbenzene	123-01-3	0		0			
E							
359 Emery	1302-74-5					P2R	
360 Endosulfan	115-29-7					P3R	
361 Endrin	72-20-8					P3R	
362 Enflurane	13838-16-9				0	P2RC	
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	0	1 1	0			
IEPN				1 1			
364 (O-Ethyl O-4-nitrophenyl phenyl	2104-64-5	0		0		P3RC	
phosphonothioate)	TAU CALL	1				7.00	
365 1,2-Epoxybutane	106-88-7		-		0		Ç.,
366 Ethanol	64-17-5	0		0			
367 2-Ethoxyethanol	440.00.5						
	110-80-5	0		0			
2-Ethoxyethyl acetate	111-15-9	0		0			
(EGEEA; Cellosolve acetate)	111-15-9	0					
369 Ethyl acetate	141-78-6	0		0			
370 Ethyl acrylate	140-88-5	0		0			
(Acrylic acid)		•		U			
371 Ethylamine	75-04-7				0		
Ethyl amyl ketone	541-85-5	0		0			
(5-Methyl-3-heptanone)	11/20/2013/20						
373 Ethyl benzene	100-41-4	0		0			
Ethyl carbamate	51-79-6	0	1 00 1	0		P3RC	
(Urethane)	01.700	•				1 01.0	
Ethyl chloride	75-00-3				0		
(Chloroethane)	1.0.00.00				9.		
376 Ethyl chloroacetate	105-39-5	0		0		-	
377 Ethylene chlorohydrin	107-07-3	0		0			
(2-Chloroethanol)	16.25° 5.2064			-			
Ethylenediamine (1,2-Diaminoethane)	107-15-3	0		0		P2RC	
379 Ethyleneimine	151-56-4		0	0			
(Aziridine)			-				
380 Ethylene glycol	107-21-1	0		0			
Ethylene glycol dinitrate (EGDN)	628-96-6	0	1 111	0	1		
382 Ethylene glycol monoisopropyl ether	109-59-1	0	1	0			
383 Ethylene oxide	75-21-8	11 11	11		0		
384 Ethyl formate (Formic acid ethyl ester)	109-94-4				0		11
			1		0		
385 2-Ethyl-1-hexanol	104-76-7	0		0			

Substance				The second secon	nly Recommende	CHARLES FOR SHAPE OF	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	Airline
A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter A K ABEK AX Filter ABEK AX ABEK AX Filter ABEK Filter ABEK	Substance	CAS No.			THE PERSON NAMED IN			or
Section Sect		1000000	Α			AX		SCBA
Care	Ethyl mercaptane	75.00.4	111				1	
387 At-Ethylmorpholine 100-74-3	(Ethanethiol)	7-5-00-1	100			0		
105-37-3	4-Ethylmorpholine				0			
Sillicic acid tetraethyl ester)		105-37-3	0		0			
Silicic acid tetraethyl ester) F Silicic acid tetraethyl estero ester		70 10 4	0					
Section Sect	(Silicic acid tetraethyl ester)	70-10-4	0		0			
393 Fentom	F							
3931 Fention	Fenchlorophos	299-84-3	0		101		P2RC	
14484-64-1 P2R							P3RC	
1933 Ferrocene 102-54-5 P2R 12604-58-9								
12604-58-9 P2R P2R								
P2R								
1986 Fluorides, as F		-						
1937 Fluorine 7782-41-4					0			
1988 Fluorobenzene		7782-41-4						
Section Sect			0					
100 Formamide								
Formic acid			0				P2RC	
Fuel oils								
103 Furan			0					
Furfural 98-01-1 © O O O O O O O O O		110-00-9			1	0	1	
Section Sec			0		0			
G 406 Gasoline 86290-81-5 8006-61-9 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 9000-70-8 900000-70-8 900000-70-8 900000-70-8 90000-70-8 90000-70-8 90000-70-8 90000-70-8 90000-70-8 900000-70-8 900000-70-8 900000000000000000000000000000000000					0			
Record R		155.55					+	
South Sout	0 "	86290-81-5	0				T	
107 Gelatin 9000-70-8 P2R 108 Germanium tetrahydride 7782-65-2 P3R 109 Glass, fibrous or dust P3R Glutaraldehyde 111-30-8 O O P2RC 111 Glycerine 56-81-5 O P2RC 112 Glycidol (2,3-Epoxy-1-propanol) 556-52-5 O O P2RC 113 Glycidyl isopropyl ether 4016-14-2 O O P2RC 114 Glyoxal 107-22-2 O P3RC 115 Graphite, natural 7782-42-5 P2R P2R 115 Graphite, natural 7782-42-5 P2R P2R 116 Hafnium and compunds, as Hf 7440-58-6 P2R 117 Helium 7440-59-7 P3RC 118 Halotane 151-67-7 O P3RC 119 Heptachlor 76-44-8 P3R P3R 120 N-Heptanone 110-43-0 O O 122 3-Heptanone 110-43-0 O O 122 3-Heptanone 123-19-3 O O 124 Hexachlorobenzene 118-74-1 P3R 142-82-1 P3R	Gasoline		0		0			
108 Germanium tetrahydride	Gelatin						P2R	
109 Glass, fibrous or dust							1	0
11 Glutaraldehyde							P3R	
Signature Sign		111-30-8	0		0		1	
Glycidol (2,3-Epoxy-1-propanol) 556-52-5	Clycorine						P2RC	
13 Glycidyl isopropyl ether 4016-14-2 © O P2RC 1418 Glyoxal 107-22-2 O P3RC 1415 Graphite, natural 7782-42-5 P2R 1416 Hafnium and compunds, as Hf 7440-58-6 P2R 1417 Helium 7440-59-7 P2R 1418 Halotane 151-67-7 O 1419 Heptachlor 76-44-8 P3R 142 3-Heptanone 110-43-0 © O 142 3-Heptanone 106-35-4 © O 142 3-Heptanone 123-19-3 © O 142 424 Hexachlorobenzene 118-74-1 P3R 142 Hexachlorocyclopentadiene 77-47-4 © O 142 Hexachloroethane 67-72-1 © P3RC 142 Hexamethylenediamine 124-09-4 © O 124 P2RC P2RC P2RC 145 Glyoxal 107-22-2 O P2RC 146 Hafnium and compunds, as Hf 7440-58-6 P2R 147 Helium 7440-58-6 P2R 148 Hafnium and compunds, as Hf 7440-58-6 P2R 149 Helium 7440-58-6 P2R 140 Hafnium and compunds, as Hf 7440-58-6 P2R 1418 Hafnium and compunds, as Hf 7440-58-6 P2R 1418 Hafnium and compunds, as Hf 7440-58-6 P2R 1419 Helium 7440-58-6 P2R 1410 Helium 7440-58-6 P2R 1419 Helium 7440-58-6 P2R 1419 Helium 7440-58-6 P2R 1410 Hel	Glycidol			-			LILO	
413 Glycidyl isopropyl ether 4016-14-2 © O P2RC 414 Glyoxal 107-22-2 O P3RC 415 Graphite, natural 7782-42-5 P2R 416 Hafnium and compunds, as Hf 7440-58-6 P2R 417 Helium 7440-59-7 P3R 418 Halotane (2-Bromo-2-chloro-1,1,1- P3R 419 Heptachlor 76-44-8 P3R 420 n-Heptane 142-82-5 © O 421 2-Heptanone 110-43-0 © O 422 3-Heptanone 106-35-4 © O 423 4-Heptanone 123-19-3 © O 424 Hexachlorobenzene (HCB) P3R 425 Hexachlorocyclopentadiene 77-47-4 © O 426 Hexachloroethane 67-72-1 © P3RC 427 Hexamethylenediamine 124-09-4 © O 426 P2RC P2RC P2RC P2RC 418 Glyoxal 107-22-2 O P3RC 429 Hexamethylenediamine 124-09-4 © O 420 P2RC P3RC P3RC 421 P3RC P3RC P3RC 422 P4RC P3RC P3RC P3RC 423 P4RC P3RC P3RC 424 P4RC P3RC P3RC 425 P4RC P3RC P3RC 426 P4RC P3RC P3RC 427 P4RC P3RC P3RC 428 P4RC P3RC P3RC 429 P4RC P3RC P3RC 420 P4RC P3RC P3RC 420 P4RC P3RC P3RC 421 P4RC P3RC P3RC 422 P4RC P3RC P3RC 423 P4RC P3RC P3RC 424 P4RC P3RC P3RC 425 P4RC P3RC P3RC 426 P4RC P3RC P3RC 427 P4RC P3RC P3RC 428 P4RC P3RC P3RC 429 P4RC P3RC 420 P4RC P3RC P3RC 421 P4RC P3RC P3RC 422 P4RC P3RC P3RC 423 P4RC P3RC P3RC 424 P4RC P3RC P3RC 425 P4RC P3RC P3RC 426 P4RC P3RC P3RC 426 P4RC P3RC P3RC 427 P4RC P3RC P3RC 428 P4RC P3RC P3RC 429 P4RC P3RC 420 P4RC P3RC P3RC 421 P4RC P3RC P3RC 422 P4RC P3RC P3RC 423 P4RC P3RC P3RC 424 P4RC P3RC P3RC 425 P4RC P3RC P3RC 426 P4RC P3RC P3RC 426 P4RC P3RC P3RC 427 P4RC P3RC P3RC 428 P4RC P3RC P3RC 429 P4RC P3RC P3RC 420 P4RC P3RC P3RC 421 P4RC P3RC P3RC 422 P4RC P3RC P3RC 423 P4RC P3RC P3RC 424 P4	(2.3-Enoxy-1-propanol)	556-52-5	0		0			
114 Glyoxal 107-22-2 O P3RC 1415 Graphite, natural 7782-42-5 P2R H H H H H H H H H		4016-14-2	0		0		P2RC	
15 Graphite, natural	Glyoxal		-		-	0		
H 416 Hafnium and compunds, as Hf 7440-58-6 P2R 417 Helium 7440-59-7 P3R 418 Halotane (2-Bromo-2-chloro-1,1,1-419 Heptachlor 151-67-7 O 419 Heptachlor 76-44-8 P3R 420 n-Heptane 142-82-5 O 421 2-Heptanone 110-43-0 O 422 3-Heptanone 106-35-4 O 423 4-Heptanone 123-19-3 O 424 Hexachlorobenzene (HCB) 118-74-1 P3R 425 Hexachlorocyclopentadiene 77-47-4 O 426 Hexachloroethane 67-72-1 O P3RC 427 Hexamethylenediamine 124-09-4 O P2RC								
Helium	Н	11702 320			1		1	
Helium	Hafnium and computed as Hf	7440 58 6	-		1		D2D	
Halotane			- 4				FZR	0
19 Heptachlor	Halotane					- 73 -		U
19 Heptachlor	/2 Promo 2 obloro 1 1 1	151-67-7	1 = 1			0		
142 n-Heptane	Hentschlor	76 44 9					DSD	
10-43-0			0				FOR	
122 3-Heptanone			0				1	
123 4-Heptanone								
Hexachlorobenzene							+ -	
HCB	If the condition as to be about a second	123-19-3	0		0			
425 Hexachlorocyclopentadiene 77-47-4 © O 426 Hexachloroethane 67-72-1 © O P3RC 427 Hexamethylenediamine 124-09-4 © O P2RC		118-74-1					P3R	
26 Hexachloroethane	(HCB)		8				-	
P27 Hexamethylenediamine 124-09-4 © O P2RC						_	Dana	
100111-11-11-11-11-11-11-11-11-11-11-11-							PZRC	
428 Hexamethylene diisocyanate 822-06-0 © O 429 Hexamethylenetetramine 100-97-0 O P2RC			0				0000	

T. AMERICAL T	(Saasa		©:Highly Recommended O: Recommended Filter					
Substance	CAS No.		Gas Filter Partic				or	
		Α	K	ABEK	AX	Filter	SCBA	
430 Hexamethylphosphoramide	680-31-9	0		0		P3RC		
431 n-Hexane	110-54-3	0		0				
432 n-Hexanol	111-27-3	0		0				
433 2-Hexanone	591-78-6	0		0				
434 1-Hexene	592-41-6			1	0			
435 cis-2-Hexene	7688-21-3	0	. = .	0				
436 trans-2-Hexene	4050-45-7	0		0				
437 Hexylamine	111-26-2	0		0				
438 Hexylene glycol	107-41-5	0		0				
439 Hydrazine	302-01-2		0	0		P3RC		
Hydrazobenzene (1,2-Diphenylhydrazine)	122-66-7					P2R		
441 Hydrazoic acid	7782-79-8			0				
442 Hydrogenated terphenyls	61788-32-7	0		Ö				
443 Hydrogen bromide	10035-10-6	-		Ŏ				
444 Hydrogen chloride	7647-01-0			ŏ				
445 Hydrogen cyanide	74-90-8			ŏ		1		
446 Hydrogen fluoride, as F	7664-39-3			ŏ		-		
447 Hydrogen peroxide	7722-84-1			ŏ		7		
448 Hydrogen selenide	7783-07-5			ŏ		+		
449 Hydrogen sulfide	7783-06-4			ŏ				
450 Hydroxylamine	7803-49-8			ŏ				
451 2-Hydroxypropyl acrylate	999-61-1	0		ŏ	_			
451 2-nydroxypropyr acrylate	1999-01-1	0		1 9 1				
	102.12.2		_			_		
452 Indene	95-13-6	0		0				
453 Indium and compounds, as In	7440-74-6					P3R		
454 Inorganic fiber	_					P3R		
455 lodine	7553-56-2	0		0		P3RC		
456 lodoform	75-47-8	0	-	0		P2RC		
457 Indomethane	74-88-4				0			
((Methyl logide)					0	1	-	
458 Iron(II) chloride	7758-94-3					P2R		
459 Iron(Ⅲ) chloride	7705-08-0				1	P2R		
460 Iron(II) oxide	1345-25-1					P2R		
461 Iron(Ⅲ) oxide	1309-37-1					P2R		
462 Iron pentacarbonyl	13463-40-6	0		0		1-1-1		
463 Iron(II) sulfide	1317-37-9					P2R		
464 Iron(Ⅲ) sulfide	12063-27-3	+		10		P2R		
465 Iron salts, solubule, as Fe	E 1 8 7 1 1 1 1		ii == I	1		P2R		
466 Isoamyl acetate	123-92-2	0		0				
467 Isoamyl alcohol	123-51-3	0		Ö				
468 Isohutane	75-28-5	113611			0			
469 (Joseph M. Joseph M.								
(Isobutyl alcohol)	78-83-1	0		0				
470 Isobutyl acetate	110-19-0	0		0				
471 Isobutylamine	78-81-9	0		ŏ				
472 Isobutylformate	542-55-2	0		ŏ				
473 Isobutyraldehyde	78-84-2	•		-	0		-	
474 Isoflurane	26675-46-7				0	P2RC		
Isonetane					U	12110		
475 (2,2,4-Trimethylpentane)	540-84-1	0		0				
476 Isophorone	78-59-1	0		0				
477 Isophorone diisocyanate	4098-71-9	0		0				

6.2000.00	SERVICE VIII.	⊚:Highly Recommended O: Recommended Filter						
Substance	CAS No.		Gas Filter Partic					
2 27 07 7		A	K	ABEK	AX	Filter	SCBA	
478 Isopropyl acetate	108-21-4	0		0	70			
179 Isopropylamine	75-31-0	a dial 11			0			
480 N-Isopropylaniline	768-52-5				0			
481 Isopropyl ether	108-20-3	0		0				
482 Isopropyl nitrate	1712-64-7	0		0		P2RC		
483 Isopropyl oil	-	0		0		P2RC		
J						-		
484 Jet fuel	-	0		0		P2RC		
К	-					Jan St.		
485 Kerosene		0		0	_	P2RC		
1				1 0 1	_	12110		
486 Lactic acid	E0 24 E					I pape I		
	50-21-5			0		P2RC		
487 Lead and inorganic compounds, as Pb	75-74-1					P3R		
488 Lead alkyls		0		0		P3RC		
Ad Discourse Annual Property of the Control of the	78-00-2 6080-56-4	1000				1700 700		
489 Lead(II) acetate trihydrate 490 Lead arsenate			-			P2R P3R		
	3687-31-8			-				
491 Lead chromate	7758-97-6	-				P3R		
492 Linseed oil	_	0		0		P2RC		
493 Lindane	58-89-9					P3RC		
(γ-Hexachiorocyclonexane)	7500 07 0		_	-		DOD		
494 Lithium hydride	7580-67-8			1		P3R		
495 Lithium hydroxide	1310-65-2					P2R		
M								
496 Magnesium chloride	7786-30-3					P2R		
497 Magnesium hydroxide	1309-42-8		1			P2R		
498 Magnesium oxide	1309-48-4					P2R		
499 Magnesium sulfate	7487-88-9		1			P2R		
500 Malathion	121-75-5	0		0		P2RC		
501 Maleic acid	110-16-7		11			P2R		
502 Maleic anhydride	108-31-6	0	-	0		P3RC		
Manganese and inorganic	7439-96-5					P2R		
compounds,	Intraction of the					L Checone I		
Manganese, fume, as Mn	7439-96-5					P2R		
Manganese cyclopentadienyl tricarbonyl,	12079-65-1					P3R		
tricarbonyl,	10.7.					1		
506 Manganese(IV) oxide	1313-13-9		12			P2R		
507 2-Mercaptoethanol	60-24-2			0				
508 Mercury and compounds, as Hg	7439-97-6		1				0	
509 Mesityl oxide	141-79-7	0		0				
510 Methacrylic acid	79-41-4	0	-	0		P2RC		
511 Methacrylonitrile	126-98-7	0		0				
512 Methane	74-82-8						0	
513 Methanol (Methyl alcohol)	67-56-1				0			
(Methyl alcohol)					-			
514 Methomyl	16752-77-5					P3R		
515 Methoxychlor	72-43-5					P2R		
516 2-Methoxyethanol	109-86-4	0		0				
((EGME)	242.660			~				
2-Methoxyethyl acetate	110-49-6	0		0				
(EGMEA) 518 1-Methoxy-2-propanol	107-98-2	0		0				

⊚: Highly Recommended Recommended Filte							
.					ed Filte		Airline
Substance	CAS No.		Gas	Filter	Particle		or
		Α	K	ABEK	AX	Filter	SCBA
519 2-Methoxy-1-propanol	1589-47-5	0		0			
520 1-Methoxy-2-propanol acetate	108-65-6	0		0			
521 2-Methoxy-1-propanol acetate	70657-70-4	0		0			
522 Methyl acetate	79-20-9				0		
523 Methyl acrylate	96-33-3	0		0			
524 Methylamine	74-89-5		0	Ŏ			
525 N-Methylaniline	100-61-8	0	<u> </u>	Ŏ			
526 2-Methylbutane	78-78-4			 	0		
527 Methyl tert hutyl ether	1634-04-4				ŏ		
Methyl chloroform 528 (4.4.4 Trichlorofthana)							
(1,1,1-Trichloroethane)	71-55-6	\odot		0			
529 Methyl-2-cyanoacrylate	137-05-3			0			
530 Methylcyclohexane	108-87-2	0	+	ŏ			
531 Methylcyclohexanol	25639-42-3	<u> </u>		0			
	583-60-8	<u> </u>	_				
532 2-Methylcyclohexanone		<u> </u>					
Methyl demeton 533 (Pameter methyl)	8022-00-2	0				P3RC	
4,4'-Methylene-bis(2-chloroaniline)	101-14-4					P3R	
	1						
4,4'-Methylene dianiline	101-77-9					P3R	
(4,4°-Diaminodiphenyi-methane)							
536 Methyl ethyl ketone peroxide	1338-23-4	0		0			
537 Methyl formate	107-31-3				0		
538 Methyl hydrazine	60-34-4			0			
Methyl isoamyl ketone	110-12-3	0		0			
1 1/5_1\/ \(\rightarrow\) \(\frac{1}{2}\)_\(\rightarrow\)	110-12-3	0					
Methyl isobutyl carbinol	100 11 0	<u> </u>					
(4-Methyl-2-pentanol)	108-11-2	0		0			
Methyl isobutyl ketone	100 10 1						
(4-Methyl-2-pentanone)	108-10-1	0		0			
542 Methyl isocyanate	624-83-9				0		
Methyl mercaptan							
(Methanethiol)	74-93-1				0		
544 Methyl mercury	22967-92-6		 				0
545 Methyl methacrylate	80-62-6	0		0			
546 Methyl parthion	298-00-0	<u> </u>	+	ŏ		P3RC	
547 2-Methylpentane	107-83-5		+	+	0	1 3110	
548 3-Methylpentane	96-14-0				-		
		0		0	0		
549 4-Methylpent-3-en-2-on	141-79-7	<u> </u>					
2-Methyl-2-propanol	75-65-0	0				P2RC	
(tert-Butyl alconol)							
Methyl propyl ketone (2-Pentanone)	107-87-9	0					
(2-Pentanone)							
552 2-Methyl-2-propanethiol	75-66-1				0		
553 Methyl propionate	554-12-1	0		0			
554 N-Methyl-2-pyrrolidone	872-50-4	0		0			
555 Methyl silicate	681-84-5	0		0			
556 α-Methyl styrene	98-83-9	0		0			
Meviny sylene 557 (Phandring)	7786-34-7	<u></u>				P3RC	
(Phosdrin®)	1100-34-1	0		0		PORC	
558 Mineral wool fiber	 -					P2R	
559 Molybdenum and compounds, as Mo	7439-98-7					P3R	
560 Monochloroacetic acid	79-11-8					P2R	

				Recommended Filter					
	Substance	CAS No.			G 1 1110	Particle	Airline		
	Gubstance	-	Α	K	ABEK	AX	Filter	SCBA	
561	Morpholine	110-91-8	0	IV	0		Titter	0007	
562	Motor oils used	-	0		Ö		P2RC		
002	Mustard gas	Marco escape al	9				100000000000000000000000000000000000000		
563	(2,2'-Dichlorodiethyl sulfide)	505-60-2			0		P3RC		
_	N				1		1		
	Naled	1			1		T		
564	(Dibrom)	300-76-5	0		0		P3RC		
565	Naphtha, Benzin	8030-30-6	0		0		P2RC		
505	Naphtha (petroleum),								
566	Hydrotreated heavy	64742-48-9	0		0		P2RC		
	Naphthalene	91-20-3	0		0		P3RC		
	1,5-Naphthalene diisocyanate		0		1				
	(NDI)	3173-72-6					P2R		
-	α-Naphthylamine				1				
	(1-Naphthylamine)	134-32-7					P2R		
	β-Naphthylamine				1				
	(2-Naphthylamine)	91-59-8	1001				P3R		
	Neon	7440-01-9	_		1			0	
	Nickel	7440-01-9					P3R	0	
	Nickel carbonate	3333-67-3					P3R		
	Nickel chloride	7718-54-9			1		P3R		
	Nickel oxide	1313-99-1					P3R		
	Nickel sulfide	16812-54-7	1				P3R		
577	Nicotine	54-11-5	0		0		1		
578	Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4					P2R		
570	(2-Chloro-6-(trichloromethyl)pyridine)						1211		
579	Nitric acid	7697-37-2			0				
580	5-Nitroacenaphthene	602-87-9	1 - 14				P3R		
	2-Nitro-4-aminophenol	119-34-6					P2R		
	4-Nitroaniline	100-01-6					P2R		
	Nitrobenzene	98-95-3	0		0		P3RC		
	4-Nitrobiphenyl	92-93-3					P3R		
	Nitroethane	79-24-3	0		0		1		
	Nitrogen dioxide	10102-44-0	-		ŏ				
	Nitrogen monoxide	10102-43-9			1 0		1	0	
	Nitrogen trifluoride	7783-54-2			1 1		+	0	
000	Nitroglycerin (Clypaged trinitrate)				1		1	0	
589	(Glyceryl trinitrate)	55-63-0	0		0		P2RC		
	Nitromethane	75-52-5	0		0				
		86-57-7	0		10		Dan		
591	1-Nitronaphthalene				-		P2R		
	2-Nitronaphthalene	581-89-5					P2R		
	5-Nitro-o-toluidine	99-55-8					P3R		
	2-Nitro-1,4-phenylenediamine	5307-14-2	-				P2R		
	1-Nitropropane	108-03-2	0		0		1 - 1		
	2-Nitropropane	79-46-9	0	-	0			7.	
	1-Nitropyrene	5522-43-0	1 10 11				P3R		
	2-Nitropyrene	789-07-1	1 2 11				P2R		
599	4-Nitropyrene	57835-92-4					P3R		
600	N-Nitrosodiethanolamine	1116-54-7					P3R		
	(NDELA)	1110-54-7					ESIX		
601	N-Nitrosodiethylamine	55-18-5	0		0		P3RC		
UUI	(NDEA)	33-10-3	0		0		FORC		

	1000			nly Recommonde			Airline
Substance	CAS No.		Gas Filter				or
	20/20/2011	Α	K	ABEK	AX	Particle Filter	SCBA
603 N-Nitrosodimethylamine	62-75-9	0	1	0		P2RC	1
N Nitrogged in but domine						1000000	
DDAI (DDAI)	924-16-3	0		0		P3RC	
N-Nitrosodi-n-propylamine	004.04.7	0				Dano	
(NDPA)	621-64-7	0		0		P3RC	
606 N-Nitrosoethylphenylamine	612-64-6					P2R	
607 N-Nitrosomethylethylamine	10595-95-6	0		0		P3RC	
608 N-Nitrosomethylphenylamine	614-00-6	0		0		P2RC	
609 N-Nitrosomorpholine	59-89-2	0		0		P3RC	
I(NMOR)	00-00-2	•		9		Torto	
610 N-Nitrosopiperidine (NPIP)	100-75-4	0		0		P3RC	
(NPIP)	100 10 1	•				1 0110	
611 N-Nitrosopyrrolidine	930-55-2	0		0		P3RC	
(NPYR)		32-1				1 OILO	
612 2-Nitrotoluene	88-72-2	0		0			
613 3-Nitrotoluene	99-08-1	0	1	0	_	P3RC	
614 4-Nitrotoluene	99-99-0					P2R	
615 Nonane	111-84-2	0		0			
0							
616 Oakwood dust	-					P3R	
617 Octachloronaphthalene	2234-13-1		11			P3R	
618 n-Octane	111-65-9	0		0			
619 1-Octanol	111-87-5	0		0			
620 1-Octene	111-66-0	0		0			
621 Oil mist, mineral	8012-95-1	0		0		P2RC	
622 Osmium tetroxide	20816-12-0			0		P3RC	
623 Oxalic acid	144-62-7					P2R	
624 4,4'-Oxydianiline	101-80-4	1 1	11 1			P3R	
625 Oxygen difluoride	7783-41-7						0
626 Ozone	10028-15-6				0		
P							
627 Palmitic acid	57-10-3			1 1		P2R	
628 Paraffin wax fume	8002-74-2	0		0		P2RC	
629 Paraldehyde	123-63-7	0		0		P2RC	
630 Paraquat dichloride	1910-42-5					P3R	
631 Parathion	56-38-2	0		0		P3RC	
632 Pentaborane	19624-22-7		-				0
633 Pentachloroethane	76-01-7	0		0			
634 Pentachloronaphthalene	1321-64-8					P2R	
635 Pentachlorophenol	87-86-5					P3R	
636 Pentane	109-66-0				0		
637 n-Pentanol	71-41-0	0		0	- 1		
638 Peracetic acid	79-21-0			Ŏ		P2RC	
639 Perchloromethyl mercaptan	594-42-3	0		Ŏ		P2RC	
640 Perchloryl fluoride	7616-94-6			Ŏ			
641 Permethrin	52645-53-1	0		Ŏ		P2RC	
642 Phenol	108-95-2	0		Ŏ		P2RC	
643 Phenolphthalein dissolved in ethanol	77-09-8	0	-	O		P3RC	
644 Phenyl acetate	122-79-2	0		Ŏ		P2RC	
645 p-Phenylenediamine	106-50-3		-			P3R	
646 Phenyl ether	101-84-8	0		0		P2RC	
647 Phenyl ether/biphenyl mixture	8004-13-5	0		ŏ		P2RC	

			O: Recor				
l			r	Airline			
Substance	CAS No.			Filter		Particle	or
		Α	K	ABEK	AX	Filter	SCBA
Phenyl glycidyl ether (PGE)	122-60-1	0		0		P2RC	
649 Phenylhydrazine	100-63-0	0		0		P3RC	
650 Phenyl isocyanate	103-71-9			0			
651 Phenyl mercaptan	108-98-5			0		P2RC	
652 N-Phenyl-β-naphthylamine	135-88-6					P2R	
653 Phenylphosphine	638-21-1						0
654 Phorate	298-02-2	0		0			
Phosgene (Carbonyl chloride)	75-44-5			0			
656 Phosphine	7803-51-2						0
657 Phosphoric acid	7664-38-2			0		P2RC	
658 Phosphorous acid	13598-36-2					P2R	
659 Phosphorus, Yellow	12185-10-3					P3RC	
660 Phosphorus oxychloride	10025-87-3			ŏ		P2RC	
661 Phosphorus pentachloride	10026-13-8			Ö		P2RC	
662 Phosphorus pentasulfide	1314-80-3			ŏ		P2RC	
663 Phosphorus pentoxide	1314-56-3			ŏ		P2RC	
664 Phthalic anhydride	85-44-9	0		l ŏ		P2RC	
665 Picloram	1918-02-1					P2R	
666 Picric acid	88-89-1					P3R	
667 Platinum, soluble salts, as Pt	7440-06-4					P2R	
Dolychlaringtod hiphanyla						FZK	
(PCBs)	1336-36-3					P3R	
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	0		0		P3RC	
677 2-Propagethiol	75-33-2				0		
n-Propanol	74 00 0						
I Im-Pronyl alconon	71-23-8	\odot					
2-Propanol	67.60.0	_					
(Isopropyl alcohol)	67-63-0	0					
680 Propargyl alcohol	107-19-7	0		0			
681 β-Propiolactone	57-57-8	<u></u>		Ŏ			
Propionaldehyde							
Propionaldehyde (Propanal)	123-38-6				0		
683 Propionic acid	79-09-4			0			
684 Propoxur	114-26-1			-		P3R	
685 n-Propyl acetate	109-60-4	0					
686 Propylamine	107-10-8		0	ŏ			
687 Propylene	115-07-1						0
699 Propylone alycol	57-55-6	0		0			
Propylene glycol dinitrate							
	6423-43-4	©		0		P2RC	
Propylene oxide (1,2-Epoxypropane)	75-56-9				0		
691 Propyleneimine	75-55-8	0		0		P3RC	

(a = = = = = = = = = = = = = = = = = = =				Recommended O: Reco			
Substance	CAS No.		Gas Filter Particle				
Judanianos	30.00	Α	K	ABEK	AX	Filter	or SCBA
692 Propyl formate	110-74-7	0	- 10	0	700	1 inter	000.
693 n-Propyl mercaptan	107-03-9	•		Ö	_		
694 Pyrethrum	8003-34-7	0		ŏ		P2RC	
695 Pyridine	110-86-1	0		ŏ		12110	
Q	1110-00-1	•		1 9 1		1	
Quinone							
	106-51-4	0		0		P2RC	
(p-Benzoquinone)	1 232132300					1	
R							
697 Rodium, elemental	7440-16-6	1 - 1 -				P2R	
Rotenone, commercial	83-79-4	0		0		P2RC	
S							
699 Salicylic acid	69-72-7					P2R	
Sarin	407.44.0	0				Danc	
Sarin (GB)	107-44-8	0		0		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			1 1		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			1		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			0		P3RC	_
718 Sodium fluoroacetate	62-74-8			ŏ		P3RC	
719 Sodium hydrogen carbonate	144-55-8			1 0		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			0		P2RC	
		1.02				THE ST	
725 Soman (GD)	96-64-0	0		0		P3RC	
726 Stoorie poid	67.11.4					P2R	
726 Stearic acid 727 Stibine	57-11-4					FZR	_
	7803-52-3	6				DODG	0
728 Stoddard solvent	8052-41-3	0		0		P2RC	
729 Strontium chromate, as Cr	7789-06-2			+		P3R	
730 Strychnine	57-24-9	6				P3R	
731 Styrene, monomer	100-42-5	0		0		DOD	
732 Subtilisin	1395-21-7					P3R	
733 Sulfotep (TEDP)	3689-24-5			0		P3RC	
						LECKIZI.	
734 Sulfur dichloride	10545-99-0			0			
735 Sulfur dioxide	7446-09-5			0			
736 Sulfuric acid 737 Sulfur pentafluoride	7664-93-9 5714-22-7			0		P3RC	

O: Highly Recommended	0:	Recommended
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	17.7		Recommended Filter				
Substance	CAS No.		Gas Filter Par				
	4.00	Α	K	ABEK	AX	Filter	SCBA
738 Sulfur tetrafluoride	7783-60-0					100	0
739 Sulfur trioxide	7446-11-9			0		P2RC	
740 Sulfuryl chloride	7791-25-5			Ŏ			1000
741 Sulfuryl difluoride	2699-79-8						0
T							
742 2,4,5-T	La sa I					The state of	
(2,4,3- McHorophenoxy acetic acid)	93-76-5			1		P2R	
743 Tabun (GA)	77-81-6	0		0		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	-01111					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						0
751 Terpentine oil	-/	0		0			
752 Terphenyls	26140-60-3					P2R	
753 1 1 2 2 Tetrahromoethane	79-27-6	0		0			1
754 2,3,7,8-Tetrachlorodibenzo-p-dioxin				1		0.25.1	
(TCDD)	1746-01-6					P3R	
755 1,1,1,2-Tetrachloro-2,2-difluoroethane (FC-112a)	76-11-9	0		0	ш	P2RC	
756 1,1,2,2-Tetrachloro-1,2-difluoroethane (FC-112)	76-12-0	0		0		P2RC	
757 1,1,2,2-Tetrachloroethane	79-34-5	0		0			
758 Tetrachloroethylene (Perchloroethylene)	127-18-4	0		0			
759 Tetrachloronaphthalene	1335-88-2	100	_			P2R	-
759 Tetrachioronaphrhalene 760 Tetraethyl lead	78-00-2	0		0		FZR	-
Tetraethyl pyrophosphate	107-49-3	0		0		P3RC	
((TEPP)	The state of the s	080				1.0110	
762 Tetraethyl silicate	78-10-4	0		0			
763 Tetrahydrofuran	109-99-9	0		0			-
764 Tetrahydrothiophene (THT)	110-01-0	1		0			
765 1,2,4,5-Tetramethylbenzene	95-93-2					P2R	1
766 Tetramethyl lead	75-74-1	0		0		TF 2 TI	
767 Tetramethyl succinonitrile	3333-52-6	0		Ö		P3RC	
768 Tetranitromethane	509-14-8			O		P3RC	
769 1,3,6,8-Tetranitropyrene	28767-61-5			7		P2R	
770 Tetrasodium pyrophosphate	7722-88-5					P2R	
Tetryl	479-45-8					P2R	
(N-Methyl-N,2,4,6-tetranitroaniline) Thallium and soluble compounds, as	7440-28-0			+ +		P3R	
772 Thailium and soluble compounds, as 773 4,4'-Thiobis(6-tert-butyl-m-cresol)	96-69-5					P2R	
						P3R	
774 4,4'-Thiodianiline	139-65-1					PSK	
775 Thioglycolic acid	68-11-1			0			
776 Thionyl chloride	7719-09-7			0		DOD	
777 Thiourea	62-56-6					P2R	
778 Thiram	137-26-8					P3R	
779 Tin(IV) chloride	7646-78-8			0			
780 Titanium dioxide	13463-67-7			_ = = 1		P3R	

O: Highly Recommended O: Recon	mmended
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			er	Airline			
Substance	CAS No.		Particle	or			
	1 1 2 X CZ 7 CZ	Α	K	Filter	AX	Filter	SCBA
781 Toluene	400.00.0	-					
(Toluol)	108-88-3	0		0			
82 Toluene-2,4-diisocyanate	584-84-9	0		0		P3RC	
783 Toluene-2,6-diisocyanate	91-08-7	0		0		P3RC	
84 p-Toluidine	106-49-0	0		0		P3RC	
785 Tributyl phosphate	126-73-8	0		0			
86 Tri-n-butyltin benzoate	4342-36-3	0		0		P2RC	
787 Tri-n-butyltin chloride	1461-22-9			0			
788 Tri-n-butyltin fluoride	1983-10-4					P3R	
789 Tri-n-butyltin linoleate	24124-25-2	0		0		P2RC	-
90 Tri-n-butyltin methacrylate	2155-70-6	0		ŏ		P2RC	
91 Tri-n-butyltin naphthenate	85409-17-2	0		ŏ		12110	
792 Trichloroacetic acid	76-03-9			1		P3R	
793 1,2,4-Trichlorobenzene	120-82-1	0		0		P2RC	
94 2.3.4-Trichloro-1-butene	2431-50-7	0		ő		1.2110	
795 1,1,2-Trichloroethane	79-00-5	0		ő		1	
796 Trichloroethylene	79-01-6	0		ŏ		+	
797 Trichloronaphthalene	1321-65-9			10		P2R	
98 1,2,3-Trichloropropane	96-18-4	0		0		FZR	
	13121-70-5	0		0		P3R	
799 Tricyclohexyltin hydroxide			-	+			_
700 Tridymite	15468-32-3			+ ~		P3R	
01 Triethanolamine	102-71-6	0		0		P2RC	
02 Triethylamine	121-44-8	0		0			
03 Triethylene tetramine	112-24-3	0		0			
704 Trimanganese tetraoxide	1317-35-7					P2R	
305 Trimellitic anhydride	552-30-7					P3R	
306 Trimethylamine	75-50-3				0		
307 2,4,5-Trimethylaniline	137-17-7					P2R	
308 1,2,3-Trimethyl benzene	526-73-8	0		0			
309 1,2,4-Trimethyl benzene	95-63-6	0		0			
1,3,5-Trimethyl benzene	108-67-8	0		0			
(Mesitylene)				197			
311 2,4,4-Trimethyl-1-pentene	107-39-1	0		0			
Trimethyl phosphate	512-56-1	0		0			
313 Trimethyl phosphite	121-45-9	0		0			
314 2,4,7-Trinitrofluorenone	129-79-3	0		0		P2RC	-
2,4,6-Trinitrotoluene	449.06.7					Dan	
(TNT)	118-96-7					P3R	
316 1,3,6-Trinitropyrene	75321-19-6					P2R	
317 Tri-o-tolyl phosphate	78-30-8	0		0		7	
318 Tri-p-tolyl phosphate	78-32-0					P2R	
319 Triphenyl amine	603-34-9					P2R	
320 Triphenyl phosphate	115-86-6	0		0		P2RC	
321 Tungsten and insoluble compound				1		P2R	
322 Turpentine	8006-64-2	0		0		1	
U	10000012						
323 n-Undecane	1120 24 4	0				T	_
Uranium natural coluble and	1120-21-4	0	-	0			
Uranium, natural, soluble and	7440-61-1					P3R	
Jinsoluble	The Carlotter						
V	Terror and terror			1 1		1	
Nanadium pentoxide, as V	1314-62-1					P3R	
326 Vinyl acetate	108-05-4	0		0			

@: Highly	Recommended	0:	Recommended
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		1 20 20	Recommended Filter					Airline
Substance		CAS No.					Particle	
	Service Service Co.	35.75	Α	K	ABEK	AX	Filter	SCBA
827	Vinyl chloride (Chloroethylene)	75-01-4				0		
828	Vinyl toluene	25013-15-4	0		0			
	VM & P naphtha	8032-32-4	0		Ö			
830	I//V	50782-69-9	0		0		P3RC	
	W			-			-	
831	Warfarin	81-81-2	0		0		P3RC	
	Welding fumes	-	-				P3R	
	White spirit	-	0		0		1	
	Wood oil				1		P2R	
	X						1.2.	
835	o-Xylene	95-47-6	0	T	0			
	m-Xylene	108-38-3	0		Ŏ			
837	n-Xylene	106-42-3	0		ŏ		P2RC	T
838	2,6-Xylenol (2,6-Dimethyl phenol)	576-26-1		1=1	Ĭ		P2R	
839	2.5. Yulonol	95-87-4	0		0		P2RC	
840	2,4-Xylenol	105-67-9					P2R	
841	(2,4-Dimethyl phenol) 2,3-Xylenol (2,3-Dimethyl phenol)	526-75-0					P2R	+
842	3,4-Xylenol	95-65-8	0		0		P2RC	
843	3,5-Xylenol (3,5-Dimethyl phenol)	108-68-9					P2R	
844	2,3-Xylidine	87-59-2	0		0		P3RC	-
	2,4-Xylidine	95-68-1	0		ŏ		P2RC	
	2,5-Xylidine	95-78-3	0		0		P2RC	
847	2,6-Xylidine	87-62-7	0		ŏ		P3RC	
	3,4-Xylidine	95-64-7	0		Ö		P3RC	
	3,5-Xylidine	108-69-0	0		Ö		P3RC	
0 10	V	1100 00 0		1	1 0 1		1 0110	
850	Yttrium and compounds, as Y	7440-65-5					P2R	
	Z							
	Zinc chloride, fume	7646-85-7					P2R	
	Zinc chromates, as Cr	13530-65-9					P3R	
	Zinc oxide, fume	1314-13-2					P2R	
	Zinc sulfate	7733-02-0					P2R	14
855	Zirconium compounds, as Zr	7440-67-7					P2R	

Types of filter used was decided by the working environment and characteristics of substance, as shown in table 1

Table 1.

Characteristics of Substance	Type of Filter		
Substances with melting point over 50°C	Particle Filter Particle and Gas Filter		
Substances with melting point between 0°C to 50°C, or Substances which may sublime			
Substances with melting point below 0°C	Gas Filter		
Substances which has no recommended filter or Substance without test data	Airline or SCBA		

Classes of filter used was decided by the hazardous substance, as shown in table 2 Table 2.

Hazardous Substance	Filter(s) Classifications		
Carcinogenic substances ⁽¹⁾	P3		
Substances which are listed in Poisonous and Deleterious Substances Control Law of Japan	Р3		
Substance of which TLV-TWA (Threshold Limit Values - Time-weighted average) is equal to or below 0.1mg / m ³	Р3		
Substances other than the above	P2		

⁽¹⁾ Guide to Occupational Exposure Value classified Carcinogenic substances into A1~A3 (ACGIH Guide to Occupational Exposure Values 2012) and/or 1~2B (IARC Monographs 2011)

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