

Respirator Filter Selection Table

AGE to BENZENETHIOL

Chemical Name	Gross Chemical Formula	CAS Number	Normal State	Carcinogen	Unit of M'tment	OES (8 Hour TWA)	MEL (8 hour TWA)	IDLH	Boiling Point	Melting Point	Flash Point	Eye Irritant	Skin Irritant	Gas Filter	Particle Filter	Filter Colour	Kitagawa Tube
AGE	C6 H10 O2	106-92-3	Liquid	no	ppm	5.00		50.0	154.0	-64.0	57.0	no	yes	A			
ACETALDEHYDE	C2 H4 O	75-07-01	Liquid	YES	ppm	20.00		10000.0	21.0	-123.5	-20.0	yes	no	AX			1333A, SB
ACETIC ACID	C2 H4 O2	64-19-7	Liquid	no	ppm	10.00		1000.0	117.9	16.6	40.0	yes	no	A	P3		216S
ACETIC ANHYDRIDE	C4 H6 O3	108-24-7	Liquid	no	ppm	5.00		1000.0	139.6	-73.1	49.0	yes	no	A			216S(C)
ACETONE	C3 H6 O	67-64-1	Liquid	no	ppm	750.00		20000.0	56.5	-94.0	-20.0	yes	no	AX			1025A,SC,SD
ACETONITRILE	C2 H3 N	75-05-8	Liquid	no	ppm	40.00		4000.0	81.6	-45.7	2.0	yes	no	A			
ACETYLENE	C2 H2	74-86-2	Gas	no	ppm				-84.0	-81.0	-15.0	no	no			Use Airline	101S
o-ACETYSALICYLIC ACID	C9 H8 O4	50-78-2	Solid	no	mg/m3	5.00			140.0	135.0			no		P		
ACROLEIN	C3 H4 O	107-02-8	Liquid	no	ppm	0.10		2.0	53.0	-86.9	-20.0	no	no	AX			136
ACRYLALDEHYDE	C3 H4 O	107-02-8	Liquid	no	ppm	0.10		2.0	53.0	-86.9	-20.0	no	no	AX			
ACRYLAMIDE	C3 H5 N O	79-06-1	Solid	YES	mg/m3	MEL	0.300		125.0	84.5	138.0	yes	yes	A	P		
ACRYLIC ACID	C3 H4 O2	79-10-7	Liquid	no	ppm	10.00			141.6	13.0	54.0	no	no	A			216S(C)
ACRYLONITRILE	C3 H3 N	107-13-1	Liquid	YES	ppm	MEL	2.000		78.0	-83.0	-5.0	no	yes	A			
ALDRIN (ISO)	C12 H8 Cl6	309-00-2	Solid	YES	mg/m3	0.30				104.0		no	yes	AB	P		
ALLYL ALCOHOL	C3 H6 O	107-18-6	Liquid	no	ppm	2.00		20.0	97.1	-129.0	21.0	no	yes	A			184S
ALLYL 2,3-EPOXYPROPYL ETHER	C6 H10 O2	106-92-3	Liquid	no	ppm	5.00		50.0	154.0	-64.0	57.0	no	yes	A			
ALLYL GLYCIDYL ETHER	C6 H10 O2	106-92-3	Liquid	no	ppm	5.00		50.0	154.0	-64.0	57.0	no	yes	A			
ALPHA-CHLOROTOLUENE	C7 H7 Cl	100-44-7	Liquid	no	ppm	1.00		10.0	179.0	-45.0	67.0	no	no	A			132SC(C)
ALUMINUM ALKYL COMPOUNDS	Various	n/a	Solid	no	mg/m3	2.00						no	no		P		
ALUMINUM METAL	Al	7429-90-5	Solid	no	mg/m3	5.00			2467.0	660.4		no	no		P		
ALUMINUM OXIDE	Al2 O3	1344-28-1	Solid	no	mg/m3	5.00			2980.0	2073.0		no	no		P		
ALUMINUM SALTS, SOLUBLE	Al	1344-28-1	Solid	no	mg/m3	2.00						no	no		P		
4-AMINOAZOBENZENE	4 H11 N3 C12			YES										A	P		
4-AMINOBIIPHENYL	4 H11 N C12	92-67-1	Solid	YES					302.0	53.4				A	P		
4-AMINOBIIPHENYL SALTS	Various			YES										A	P		
4-AMINO-3-FLOUROPHENOL	3 F 24H N4 C24 O4			YES										A	P		
AMINODIMETHYLBENZENE	as Xylidine	1300-73-8	Liquid	no	ppm	2.00		50.0	213.0	16.0	96.0	no	yes	AK			
2-AMINOETHANOL	C2 H7 N O	141-43-5	Liquid	no	ppm	3.00		30.0	170.0	10.3	85.0	yes	no	AK			224SA
2-AMINOPYRIDINE	C5 H6 N2	504-29-0	Liquid	no	mg/m3	2.00		5.0	210.0	58.1	67.0	no	no	A	P		
AMMONIA	H3 N	7664-41-7	Solid	no	ppm	25.00		300.0	-33.4	-77.7		yes	no	K			105SA,B,C,D
AMMONIUM CHLORIDE, FUME	H4 Cl N	12125-02-9	Solid	no	mg/m3	10.00			520.0			no	no	K	P		
AMMONIUM SULPHAMATE	H6 N2 O3 S	7773-06-0	Solid	no	mg/m3	10.00		1500.0	169.0	125.0		no	no		P		
n-AMYL ACETATE	as Pentyl Acetate	628-63-7	Liquid	no	ppm	100.00		1000.0	142.0	-79.0	37.0	no	no	A			
sec-AMYL ACETATE	as 1-Methylbutyl Acetate	626-38-0	Liquid	no	ppm	150.00		1000.0	130.0	-78.0	25.0	no	no	A			
ANILINE	C6 H7 N	62-53-3	Liquid	YES	ppm	2.00			185.0	-6.0	70.0	no	yes	AK			181S
ANISIDINES O- AND P-ISOMERS	C7 H9 N O	90-04-0	Liquid	YES	ppm	0.10		50.0	224.0	6.2	118.0	no	yes	A	P3		
ANTIMONY AND COMPOUNDS (AS SB)	Sb	7440-36-0	Solid	no	mg/m3	MEL	0.500	50.0	1750.0	630.5		no	no		P3		
ANTIMONY TRIOXIDE	O3 Sb2	1309-64-4	Solid	no	mg/m3	0.50			1550.0	656.0		no	no		P		
ANTIMONY TRISULPHIDE	S3 Sb2		Solid	no	mg/m3	0.50			1150.0	550.0		no	no		P		
p-ARAMID RESPIRABLE FIBRES	(C14 H10 O2 N2)n	26125-61-1		no	fibres/ml	0.50									P		
ARGON	Ar	7440-37-1	Gas	no	ppm				-186.0			no	no			Use Airline	
ARSENIC ACID & ITS SALTS	As H O3			YES											P		
ARSENIC PENTOXIDE	As2 O5			YES						315.0					P		
ARSENIC TRIOXIDE	As2 O3	1327-53-3		YES						312.3					P		
ARSENIC & COMPOUNDS EXCEPT ARSINE	As	7440-38-2	Solid	YES	mg/m3	MEL			613.0	613.0		no	no		P3		
ARSINE	As H3	7784-42-1	Liquid	YES	ppm	0.05			-55.0	-116.0		no	no	B			121U,140SA
ASBESTOS	n/a	1332-21-4	Fibre	YES	fibres/ml	MEL				600.0		no	no		P3		
ASPHALT, PETROLEUM FUMES	n/a	8052-42-4	Solid	YES	mg/m3	5.00						no	no	A	P		110S
ASPIRIN	as o-Acetylsalicylic Acid	50-78-2	Solid	no	mg/m3	5.00			140.0	135.0			no		P		
ATRAZINE (ISO)	C8 H14 Cl N5	1912-24-9	Solid	no	mg/m3	10.00				172.0		no	no	AB	P		
AZINPHOS-METHYL (ISO)	C10 H12 N3 O3 P S2	86-50-0	Solid	no	mg/m3	0.20		10.0		72.8		no	yes	AB	P3		
AZIRIDINE	C2 H5 N	151-56-4	Liquid	YES	ppm	0.50			56.5	-36.1	-11.0	no	yes	AK			
AZODICARBONAMIDE	C2 H4 N4 O2	123-77-3		no	mg/m3	MEL									P3		
BCME (Gis (chloromethyl) ETHER	C 12 C2 H4 O	542-88-1	Liquid	YES					104.0	-41.5						Use SCBA	
BGE	C7 H14 O9	8/6/26	Liquid	no	ppm			250.0	164.0					A			
u-CHC (ISO)	as Lindane	59-89-9	Solid	no	mg/m3	0.10		50.0	323.0	113.0				A	P		
BARIUM COMPOUNDS SOLUBLE (ASBA)	Ba	7440-39-3	Solid	no	mg/m3	0.50		250.0	1640.0	725.0		no	no		p		
BARIUM SULPHATE, RESPIRABLE DUST	BaO4 s	7727-43-7	Solid	no	mg/m3	4.00			1600.0	1580.0		no	no		P		
BARIUM SULPHATE, TOTAL INHALABLE DUST	BaO4 s	7727-43-7	Solid	no	mg/m3	10.00			1600.0	1580.0		no	no		P		
BENOMYL (ISO)	C14 H18 N4 O3	17804-35-2	Solid	no	mg/m3	5.00				300.0		no	no		P		
BENZENE	C6 H6	71-43-2	Liquid	YES	mg/m3	MEL	5.000	2000.0	80.1	5.5	-11.0	no	yes	A			118SB,SC,214S
BENZENETHIOL	C5 H6 S	108-98-5	Liquid	noPPM	0.05				168.7	-14.8	56.6	no	no	A			

Let the pros at Regency help you select your respirator.