

Sundström filter recommendations

Substance	CAS-no	Filter	Note	Substance	CAS-no	Filter	Note	Substance	CAS-no	Filter	Note	Substance	CAS-no	Filter	Note
1, 2-Dichloroethane	107-06-2	A		Chlorate		P3		Hydrogen sulphide	7783-06-4	B		Phosgene	75-44-5	B	
2-Nitropropane	79-46-9	A	4	Chlorine	7782-50-5	B		Hydrogene	1333-74-0	Compr.air eq		Phosphine	7803-51-2	B	
2-Propanol	67-63-0	A		Chlorine dioxide	10049-04-4	B		Hydroquinone	123-31-9	P3	4, 6	Phosphoric acid (mist)	7664-38-2	BE+P3	
Acetaldehyde	75-07-0	AX	4	Chloroform	67-66-3	AX	4	Iodine	7553-56-2	P3	3	Phthalic anhydride	85-44-9	P3	6
Acetamide	60-35-5	A+P3	1, 4	Chloroprene	126-99-8	AX	4	Isophorone	78-59-1	A		Piperazine	110-85-0	K+P3	1, 6
Acetic acid	64-19-7	B		Chromic acid	1333-82-0	P3	4, 6	Isopropyl alcohol	67-63-0	A		Piperidine	110-89-4	K	
Acetic anhydride	108-24-7	B		Cobalt (dust and smoke)	7440-48-4	P3	6	Lead (smoke and dust)	7439-92-1	P3		Potassium hydroxide	1310-58-3	P3	
Acetone	67-64-1	AX		Cresol	1319-77-3	A+P3		Maleic anhydride	108-31-6	B+P3	1, 6	Potassium permanganate	7722-64-7	P3	
Acetylchloride	75-36-5	B		Cumene	98-82-8	A	5	Mangan	7439-96-5	P3		Propionic acid	79-09-4	B	
Acetylene	74-86-2	Compr.air eq		Copper	7440-50-8	P3		MOI	101-68-8	B+P3	1, 6	Pyridine	110-86-1	A	
Acrolein	107-02-8	AX	3	Cotton dust		P3		MEK	78-93-3	A	5	Selenium	7782-49-2	P3	
Acrylamide	79-06-1	A+P3	1, 4, 5	Cyanide (asCN)	57-12-5	B+P3	1, 3	Melamine	108-78-1	Compr.air eq		Selenium sulphide	7782-49-2	P3	4
Acrylic acid	79-10-7	B		Cyclohexanol	108-93-0	A+P3	1	Mercury (vapour)	7439-97-6	Hg+P3	2, 5, 6	Silicon dioxide	14464-46-1	P3	4
Acrylonitrile	107-13-1	A	4	Cyclohexanone	108-94-1	A		Methyl acrylate	96-33-3	A	5, 6	Silver nitrate	7761-88-8	P3	
Adipic acid	124-04-9	P3		Diacetone alcohol	123-42-2	A	3	Methyl alcohol	67-56-1	AX	5	Sodium carbonate	497-19-8	P3	
Aliphatic naphta	8052-41-3	A		Diglycidyl ether	2238-07-5	A	3, 6	Methyl bromide	74-83-9	AX	3, 5	Sodium fluoride	7681-49-4	P3	
Allyl alcohol	107-18-6	A	3	Dimethyl sulphate	77-78-1	A	3, 4, 5	Methyl chloride	74-87-3	AX	4	Sodium hydroxide	1310-73-2	P3	
Allyl chloride	107-05-1	AX	5	Dimethylformamide	68-12-2	A	4, 5	Methyl ethyl ketone (MEK)	78-93-3	A	5	Sodium hypochlorite	7681-52-9	B+P3	
Allylamine	107-11-9	K	5	Dioxane	123-91-1	A	4, 5	Methyl iodide	74-88-4	AX	4, 5	Sodium perborate	10486-00-7	P3	
Aluminium chloride	7446-70-0	B+P3		Dust, inert		P3		Methyl isobutylketone (MIBK)	108-10-1	A	3, 5	Sodium silicate	6834-92-0	P3	3
Aluminium oxide	1344-28-1	P3		EDTA	60-00-4	P3		Methyl methacrylate	80-62-6	A	5, 6	Styrene	100-42-5	A	5
Ammonia	7664-41-7	K		Epichlorohydrin	106-89-8	A	4, 5, 6	Methylamine	74-89-5	K		Sulfamic acid	5329-14-6	B+P3	
Amyl acetate	628-63-7	A		Ethanol	64-17-5	A		Methylchloroform	71-55-6	A		Sulfur dioxide	7446-09-5	E	
Aniline	62-53-3	K	4, 5	Ethyl acetate	141-78-6	A		Methylene chloride	75-09-2	AX	4	Sulphuric acid (mist)	7664-93-9	E+P3	
Antifouling paints		A+P3	1	Ethyl acrylate	140-88-5	A	4, 5, 6	MIBK	108-10-1	A	3, 5	TDI	91-08-7	Compr.air eq	4, 6
Antimony	7440-36-0	P3		Ethyl bromide	74-96-4	AX	3	Monomethylamine	74-89-5	K		Terpentine (oil)	8006-64-2	A	5, 6
Antimony hydride	7803-52-3	B		Ethyl chloride	75-00-3	AX	4	Morpholine	110-91-8	A	5	Tetrachloroethylene	127-18-4	A	5, 6
Aromatic naphta		A		Ethyl ether	60-29-7	AX		Nickel carbonyl	13463-39-3	Compr.air eq	4, 5	Tetraethyl lead	78-00-2	A+P3	1, 5
Arsenic (not arsine)	7440-38-2	P3		Ethylene glycol	107-21-1	A		Nickel, metal	7440-02-0	P3	4, 6	Tetrahydrofuran	109-99-9	A	
Arsine	7784-42-1	B		Ethylene oxide	75-21-8	AX	4, 5	Nitric acid	7697-37-2	B		Tetramethyllead	75-74-1	A+P3	1, 5
Barium	7440-39-3	P3		Ethylenediamine	107-15-3	K	3, 6	Nitrobenzene	98-95-3	A	5	Toluene	108-88-3	A	5
Benzaldehyde	100-52-7	A		Ferrous chloride		BE+P3	1	Nitrogen	7727-37-9	Compr.air eq		Tributyl phosphate	126-73-8	A	
Benzene	71-43-2	A	4	Ferrous oxide (smoke)	1309-37-1	P3		Nitrogen dioxide	10102-44-0	Compr.air eq		Trichloroethane	71-55-6	A	
Benzotriazole	95-14-7	A+P3		Fluor	7782-41-4	B		Nitrogen oxide	10102-43-9	Compr.air eq		Trichloroethylene	79-01-6	A	4
Benzoyl chloride	98-88-4	B		Fluoride (as F)		P3		Nitroglycerine	55-63-0	A	5	Tridymite (silicon dioxide)	15468-32-3	P3	
Benzyl alcohol	100-51-6	A		Fluorosilicic acid	16961-83-4	B+P3		Nitroglycol	628-96-6	A	5	Trimethylbenzene	526-73-8	A	
Benzyl chloride	100-44-7	B	3, 4	Formaldehyde	50-00-0	B	4, 5, 6	Nitrous gas		Compr.air eq		Trisodium phosphate	7601-54-9	P3	
Beryllium	7440-41-7	P3	4, 6	Formic acid	64-18-6	E		Nitrous oxide	10024-97-2	Compr.air eq		Vanadium oxide (dust)	1314-62-1	P3	
Biphenyl	92-52-4	A+P3	1	Freon 113	76-13-1	Compr.air eq		Octane	111-65-9	A		Vinyl acetate	108-05-4	A	
Bromine	7726-95-6	B		Furfural	98-01-1	A		Organic peroxides		A+P3		Vinyl chloride	75-01-4	AX	4, 5
Butyl acetate	123-86-4	A		Glutaraldehyde	111-30-8	A	6	Oxalic acid	144-62-7	P3		Vinyl toluene	25013-15-4	A	
Butyl alcohol	71-36-3	A		Glycolmonobutyl ether	111-76-2	A	5	Ozone	10028-15-6	B		Vinylidene chloride	75-35-4	AX	
Butyr aldehyde	123-72-8	A		Glycolmonomethyl ether	109-86-4	A	5	p-Phenylenediamine	106-50-3	P3	3, 6	White spirit	8052-41-3	A	
Cadmium	7440-43-9	P3	4	Hydrazine	302-01-2	K	3, 4, 5, 6	PCB		A+P3	1, 4, 5	Xylene	1330-20-7	A	5
Calcium oxide	1305-78-8	P3		Hydrochloric acid	7647-01-0	B		Pentachlorophenol	87-86-5	P3	4, 5	Zinc chloride (smoke)	7646-85-7	P3	
Carbon dioxide	124-38-9	Compr.air eq		Hydrofluoric acid	7664-39-3	B+P3		Perchloric acid	7601-90-3	BE		Zinc oxide (smoke)	1314-13-2	P3	
Carbon disulphide	75-15-0	AX	5	Hydrogen cyanide	74-90-8	B	3, 5	Perchloroethylene	127-18-4	A	4, 5				
Carbon monoxide	630-08-0	Compr.air eq		Hydrogen peroxide	7722-84-1	Compr.air eq		Petrol	86290-81-5	AX					
Carbontetrachloride	56-23-5	A	4	Hydrogen selenide	7783-07-5	B	3	Phenol	108-95-2	B+P3	1, 5				

Compressed air equipment can always be used instead of a filter respirator. It should always be used if the gas concentrations are in excess of 0.5% by volume. Should be used for physically strenuous or long-duration work.

N.B. Compressed-air supplied equipment should not be used where there is danger of loss of consciousness or asphyxiation.

Advice concerning the selection of filters and the method of use can always be obtained directly from **Sundstrom Safety AB**.

Pre-filter SR 221 should always be used. N.B. This pre-filter can never replace particle filter SR 510 P3 R.

These recommendations are derived from a number of different sources and they follow the current Swedish regulation. Note that there can be national differences in the regulations for use of respiratory protective equipment.

P3	Particles & aerosols	E	Acid gas	AX	Organic gas with low boiling point <+65°C
A	Organic gas	K	Ammonia		
B	Inorganic gas	Hg	Mercury vapour		

Notes:

1. Combinations of filters shall be used.
2. Combination filter SR 299-2 ABEK1 Hg P3 R and SR 599 A1BE2K1 Hg P3 R. Type Hg- maximum use time 50 hours.
3. Full face mask should be used.
4. Carcinogenic
5. Skin adsorbing
6. Regarded as a sensitizer