

## KEY TO THE TABLE

<b>CHEMICAL NAME:</b>	The name of the substance, in general the name adopted by the International Union of Pure and Applied Chemistry (IUPAC).
<b>CAS NUMBER:</b>	The Chemical Abstracts Registry Number for the substance.
<b>EXP LIMIT:</b>	OES indicates the substance is assigned an Occupational Exposure Standard. MEL indicates the substances is assigned a Maximum Exposure Limit. CL indicates the substances is assigned a Control Limit (Asbestos) LAS indicates the Lead in Air Standard applies. (stel) indicates the limit is a short term exposure limit total dust indicates that the limit value applies to "total inhalable dust". resp. dust indicates that the limit value applies to "respirable dust".
<b>PPM:</b>	The volume for volume concentration in air at 20C and 1 bar pressure.
<b>MG/M3:</b>	The mass in milligrammes per cubic metre of air. f/ml preceded by a number in this column indicates the number of fibres per millilitre of air.
<b>SUGGESTED RPE:</b>	The type of RPE capable of providing protection in air containing <u>not less than 19.5% by volume of Oxygen</u> . The user will need to specify the correct form of facepiece and class of filter depending upon the conditions of use and the concentrations of contaminants. The table suggests the minimum advisable classes of filter as an aid to the selection of the appropriate form of RPE.  A Device capable of providing protection against Organic Vapours with Boiling points greater than 65C. AX Device capable of providing protection against Low Boiling Organic Vapours with Boiling points less than 65C. B Device capable of providing protection against Inorganic Vapours E Device capable of providing protection against Acid Gases. Hg. Device capable of providing protection against Mercury Vapour. K. Device capable of providing protection against Ammonia and its derivatives. NO Device capable of providing protection against Nitrogen Oxides P Device capable of providing protection against Solid Particulates. PSL Device capable of providing protection against Solid and Liquid Particulates. SA Device which provides the wearer with an uncontaminated supply of air either from a remote source or in a self-contained manner.

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
<b>A</b>					
AAT	97-56-3	-	-	-	P3
Acetal	105-57-7	-	-	-	A1
Acetaldehyde	75-07-0	-	-	-	AX
Acetamide	60-35-5	-	-	-	A1P2
Acetic Acid	64-19-7	OES	10	25	A1
Acetic anhydride	108-24-7	OES (stel)	5	21	A1
Acetone	67-64-1	OES	750	1810	A1
Acetonitrile	75-05-8	OES	401	68	A1
Acetophenone	98-86-5	-	-	-	A1
Acetylene	74-86-2	-	-	-	SA
o-Acetylsalicylic acid	50-78-2	OES	-	5	P2
Aconitine	302-27-2	-	-	-	P3
Acrylaldehyde (Acrolein)	107-02-8	OES	0.1	0.23	AXP3SL
Acrylamide	79-06-1	MEL	-	0.3	A1P2
Acrylonitrile	107-13-1	MEL	-	0.5	A1P3SL
Acrylic acid	79-10-7	OES	10	30	A1
Adipic acid	124-04-9	-	-	-	P2
Aldrin (ISO)	309-00-2	OES	-	0.25	A1P3SL
Allyl alcohol	107-18-6	OES	2	4.8	A1
Allyl amine	107-05-1	-	-	-	K1
Allyl-2,3-epoxypropyl ether	106-92-3	OES	5	24	A1
Allyl glycidyl ether [AGE]	106-92-3	OES	5	24	A1
Aluminium alkyls	-	OES	-	2	A1P2

شرکت ایمن تهران

تلفن: ۸۸۹۶۹۸۱۴

AND HEARING PROTECTION

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Aluminium chloride	7446-70-0	OES	-	2	P2
Aluminium metal	7429-90-5	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Aluminium oxides	1344-28-1	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Aluminium salts, soluble	-	-	-	2	P2
2-Aminoethanol	141-43-5	OES	3	7.6	A1
Aminophenol ( <i>o</i> -, <i>m</i> -, <i>p</i> - isomers)	95-55-6	-	-	-	(A)P2
	591-27-5	-	-	-	
	123-30-8	-	-	-	
	27598-85-2	-	-	-	
2-Aminopropane	75-31-0	-	-	-	K1
1-Aminopropan-2-ol	78-96-6	-	-	-	A1
Ammonia, anhydrous	7664-41-7	OES	25	18	K1
Ammonia, solutions	1336-21-6	OES	25	18	K1(P)
Ammonium chloride	121125-02-9	OES	-	10	P2
Ammonium sulphamidate	7773-06-0	OES	-	10	P2
<i>n</i> -Amyl acetate	628-63-7	OES	100	541	A1
<i>sec</i> -Amyl acetate	626-38-0	OES	150	812	A1
Amyl alcohol	30899-19-5	-	-	-	A1
Amyl nitrite	463-04-7	-	-	-	A1
	110-46-3	-	-	-	
Amyl propionate	624-54-4	-	-	-	A1
Aniline	62-53-3	-	-	-	A1P2SL
<i>o</i> -Anisidine	90-04-0	OES	0.1	0.51	A1P3SL
<i>p</i> -Anisidine	104-94-9	OES	0.1	0.51	A1P3SL
Antimony	7440-36-0	MEL	-	0.5	P3
Antimony trioxide	1309-64-4	MEL	-	0.5	P3
				(Sb)	
<i>p</i> -Aramid respirable fibres	26125-61-1	OES	-	0.5 f/ml	P2
Argon	7440-37-1	-	-	-	SA
Arsenic	7440-38-2	MEL	-	0.1	P3
Arsenic acid	7778-39-4	MEL	-	0.1	P3
				(As)	
Arsenic pentoxide	1303-28-2	MEL	-	0.1	P3
				(As)	
Arsenic trioxide	1327-53-3	MEL	-	0.1	P3
				(As)	
Arsine	7784-42-1	OES	0.05	0.16	B1
Asbestos, Amosite	-	CL	-	0.2 f/ml	P2
Asbestos, Chrysotile	-	CL	-	0.5 f/ml	P2
Asbestos, Crocidolite	-	CL	-	0.2 f/m	P2
Asphalt, petroleum fumes	8052-42-4	OES	-	5	P2
Aspirin	50-78-2	OES	-	5	P2
Atropine	51-55-8	-	-	-	P3
Azinphos-methyl (ISO)	86-50-0	OES	-	0.2	(A)P3
Aziridine	151-56-4	-	-	-	K1
Azobenzene	103-33-3	-	-	-	(A)P2
Azodicarbonamide	123-77-3	MEL	-	1.0	P2
Azoxybenzene	495-48-7	-	-	-	A1P2
<b>B</b>					
Barium	7440-39-3	-	-	-	P2
Barium carbonate	513-77-9	-	-	-	P2
Barium chlorate	13477-00-4	OES	-	0.5	P3
				(Ba)	
Barium sulphate	7727-43-7	OES	-	2	P2
Benomyl (ISO)	17804-35-2	OES	-	10	P2
Benzal chloride	98-87-3	-	-	-	A1

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Benzaldehyde	100-52-7	-	-	-	A1
Benzene	71-43-2	MEL	5	16	A1
1,3-Benzenediol	108-46-3	OES	10	46	(A)P2
Benzenethiol	108-98-5	OES	0.1	0.45	A1
Benzidine	92-87-5	-	-	-	P3
Benzoic acid	65-85-0	-	-	-	P2
Benzoic anhydride	93-97-0	-	-	-	(A)P2
Benzonitrile	100-47-0	-	-	-	A1
p-Benzoquinone	106-51-4	OES	0.1	0.45	A1P2
Benzoyl chloride	98-88-4	-	-	-	AE1P2
Benzoyl peroxide	94-36-0	OES	-	5	P2
Benzyl alcohol	100-51-6	-	-	-	A1
Benzylamine	100-46-9	-	-	-	A1
Benzyl benzoate	120-51-4	-	-	-	A1
Benzyl butyl phthalate	85-68-7	OES	-	5	A1(P2SL)
Benzyl chloroformate	501-53-1	-	-	-	A1
Benzyl chloride	100-44-7	-	-	-	A1(P2)
Beryllium	7440-41-7	MEL	-	0.002	P3
Beryllium chloride	7787-47-5	MEL	-	0.002 (Be)	P3
Beryllium hydroxide	13327-32-7	MEL	-	0.002 (Be)	P3
Beryllium nitrate	13597-99-4	MEL	-	0.002 (Be)	P3
Beryllium oxide	1304-56-9	MEL	-	0.002 (Be)	P3
Beryllium sulphate	13510-49-1	MEL	-	0.002 (Be)	P3
Biphenyl	92-52-4	OES	0.2	1.3	A1P2
Bis(Chloromethyl) ether [BCME]	542-88-1	MEL	0.001	0.005	A1(P3SL)
Bis(2,3-epoxypropyl) ether [DGE]	2238-07-5	OES	0.1	0.54	A1
Bis(2-ethylhexyl) phthalate	117-81-7	OES	-	5	P2SL
Bismuth	7440-69-9	-	-	-	P2
Bismuth hydroxide	10361-43-0	-	-	-	P2
Bismuth nitrate	10361-44-1	-	-	-	P2
Bismuth oxide	1304-76-3	-	-	-	P2
Bismuth telluride	1304-82-1	OES	-	10	P2
Bismuth telluride, selenium doped	-	OES	-	5	P2
Bisphenol A	80-05-7	-	-	-	(A1)P3
Bisphenol A- (epichlorohydrin) reaction product (MW<=700)	25068-38-6	-	-	-	A1P2SL
Borax	1303-96-4	OES	-	5	P2
Borstan-2-one	76-22-2	OES	2	13	A1P2
Boric acid	10043-35-3	-	-	-	P2
Boric anhydride	1303-86-2	OES	-	10	P2
Boron oxide	1303-86-2	OES	-	10	P2
Boron tribromide	10294-33-4	OES(stel)	1	10	BE1(P2)
Boron trifluoride	7637-07-2	OES(stel)	1	2.8	BE(P)
Bromine	7726-95-6	OES	0.1	0.66	B1P3SL
Bromine pentafluoride	7789-30-2	OES	0.1	0.73	B1P3
Bromoacetic acid	79-08-3	-	-	-	A1P2
Bromoacetone	598-31-2	-	-	-	A1
Bromobenzene	108-86-1	-	-	-	A1
Bromochloromethane	74-97-5	OES	200	1080	AX
Bromoethane	74-96-4	OES	200	906	AX
Bromoform	75-25-2	OES	0.5	5.3	A1
Bromomethane	74-83-9	OES	5	20	AX
1-Bromopropane	106-94-5	-	-	-	A1
Bromotrifluoromethane	75-63-8	OES	1000	6190	SA
Brucine	357-57-3	-	-	-	P3
1,3-Butadiene	106-99-0	MEL	10	22	AX
Buta-1,3-diene	106-99-0	MEL	10	22	AX

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

AND BEARING PROTECTION

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
<i>n</i> -Butanal	123-72-8	-	-	-	A1
Butane	106-97-8	OES	600	1450	AX
Butanoic acid	107-92-6	-	-	-	A1
Butan-1-ol	71-36-3	OES(stel)	50	154	A1
Butan-2-ol	78-92-2	OES	100	308	A1
2-Butanone	78-93-3	OES	200	600	A1
Butan-2-one	78-93-3	OES	200	600	A1
2-Butenal	123-73-9	-	-	-	A1
2-Butoxyethanol	111-76-2	OES	25	123	A1
<i>n</i> -Butyl acetate	123-86-4	OES	150	724	A1
<i>sec</i> -Butyl acetate	105-46-4	OES	20	966	A1
<i>tert</i> -Butyl acetate	540-88-5	OES	200	966	A1
<i>n</i> -Butyl acrylate	141-32-2	OES	10	53	A1
<i>n</i> -Butyl alcohol	71-36-3	OES(stel)	50	154	A1
<i>sec</i> -Butyl alcohol	78-92-2	OES	100	308	A1
<i>tert</i> -Butyl alcohol	75-65-0	OES	100	308	A1
<i>n</i> -Butylamine	109-73-9	OES(stel)	5	15	A1/K1
<i>sec</i> -Butylamine	13952-84-6	-	-	-	AX/K1
<i>n</i> -Butyl <i>n</i> -Butyrate	109-21-7	-	-	-	A1
Butyl benzyl phthalate	85-68-7	OES	-	5	A1(P2SL)
<i>n</i> -Butyl chloride	109-69-3	-	-	-	A1
<i>n</i> -Butyl chloroformate	592-34-7	OES	1	5.7	A1
Butyl ethyl ketone	106-35-4	OES	50	237	A1
Butyl formate	592-84-7	-	-	-	A1
	762-75-4	-	-	-	
	589-40-4	-	-	-	
<i>n</i> -Butyl glycidyl ether [BGE]	2426-08-6	OES	25	135	A1
Butyl lactate	138-22-7	OES	5	31	A1
<i>n</i> -Butyl methacrylate	97-88-1	-	-	-	A1
Butyl methyl ketone	591-78-6	OES	5	21	A1
2- <i>sec</i> -Butylphenol	89-72-5	OES	5	31	A1
<i>n</i> -Butyl propionate	590-01-2	-	-	-	A1
Butyraldehyde	123-72-8	-	-	-	A1
<i>n</i> -Butyric acid	107-92-6	-	-	-	A1
Butyric anhydride	106-31-0	-	-	-	A1
<i>n</i> -Butyronitrile	109-74-0	-	-	-	A1
<i>n</i> -Butyryl chloride	141-75-3	-	-	-	A1P2SL
<b>C</b>					
Cadmium	7440-43-9	MEL	-	0.025	P3
Cadmium oxide fume	1306-19-0	MEL	-	0.025	P3
Cadmium sulphate	10124-36-4	MEL	-	0.025	P3
		(as Cd)		(Cd)	
Cadmium sulphide	1306-23-6	MEL	-	0.03	P3
Caesium chloride	7647-17-8	-	-	-	P3
Caesium hydroxide	21351-79-1	OES	-	2	P2
Caesium nitrate	7789-18-6	-	-	-	P2
Caesium sulphate	10294-54-9	-	-	-	P2
Caffeine	58-08-2	-	-	-	P3
Calcium carbonate	1317-65-3	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Calcium chloride	10043-52-4	-	-	-	P2
Calcium cyanamide	156-62-7	OES	-	0.5	P2
Calcium hydroxide	1305-62-0	OES	-	5	P2
Calcium hypochlorite	7778-54-3	-	-	-	(B1)P2
Calcium oxide	1305-78-8	OES	-	2	P2
Calcium silicate	1344-95-2	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Calomei	10112-91-1	-	-	-	P3
Camphor, synthetic	76-22-2	OES	2	13	A1P2

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۴

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
ε-Caprolactam	105-60-2	OES			A1P2
		Dust	-	1	
		Vapour	5	23	
Captan (ISO)	2425-06-1	OES		0.1	P3
Captan (ISO)	133-06-2	OES	-	5	P2
Carbanonitril	420-04-2	OES	-	2	A1P2
Carbofuran (ISO)	1563-66-2	OES	-	0.1	P3
Carbon black	1333-86-4	OES	-	3.5	P2
Carbon dioxide	124-38-9	OES	5000	9150	SA
Carbon disulphide	75-15-0	MEL	10	32	AX
Carbon monoxide	630-08-0	OES	50	58	SA
Carbon tetrabromide	558-13-4	OES	0.1	1.4	A1
Carbon tetrachloride	56-23-5	OES	2	13	A1
Carbonyl chloride	75-44-5	OES	0.02	0.08	SA
Catechol	120-80-9	OES	5	23	A1P2
Caustic potash	1310-58-3	OES(stel)	-	2	P2
Cellulose	9004-34-6	OES			P2
		total dust	-	10	
		resp dust	-	4	
Cement (Portland Cement)	65997-15-1	OES			P2
		total dust	-	10	
		resp dust	-	4	
Chloral hydrate	302-17-0	-	-	-	(A1)P2
Chlorine	7782-50-5	OES	0.5	1.5	B1
Chlorine dioxide	10049-04-4	OES	0.1	0.28	B1
Chlorine trifluoride	7790-91-4	OES(stel)	0.1	0.38	B1
Chloroacetaldehyde	107-20-0	OES(stel)	1	3.3	A1
Chloroacetic acid	79-11-8	OES	0.3	1.2	(A1)P2
2-Chloroacetophenone	532-27-4	OES	0.05	0.32	A1P2
<i>m</i> -Chloroaniline	108-42-9	-	-	-	A1P3
<i>o</i> -Chloroaniline	95-51-2	-	-	-	A1P3
<i>p</i> -Chloroaniline	106-47-8	-	-	-	A1P3
2-Chlorobenzaldehyde	89-98-5	-	-	-	A1
<i>o</i> -Chlorobenzaldehyde	89-98-5	-	-	-	A1
Chlorobenzene	108-90-7	-	-	-	A1
Chlorobromomethane	74-97-5	OES	200	1080	AX
2-Chlorobuta-1,3-diene	126-99-8	OES	10	37	AX
1-Chlorobutane	109-69-3	-	-	-	A1
Chlorodifluoromethane	75-45-6	OES	1000	3950	SA
1-Chloro-2,3-epoxypropane	106-89-8	MEL	0.5	1.9	A1P2SL
Chloroethane	75-00-3	OES	1000	2700	AX
2-Chloroethanol	107-07-3	OES(stel)	1	3.4	A1
Chloroethylene	75-01-4	MEL	7	-	AX
Chloroform	67-66-3	OES	2	9.9	AX
Chloromethane	74-87-3	OES	50	105	SA
1-Chloro-4-nitrobenzene	100-00-5	OES	-	1	A1P2
<i>p</i> -Chloronitrobenzene	100-00-5	OES	-	1	A1P2
1-Chloro-1-nitropropane	600-25-9	-	-	-	A1
Chloropentafluoroethane	76-15-3	OES	100	6420	SA
Chloropentane	29656-63-1	-	-	-	A1
<i>m</i> -Chlorophenol	95-57-8	-	-	-	A1P2SL
<i>o</i> -Chlorophenol	108-43-0	-	-	-	A1P2SL
<i>p</i> -Chlorophenol	106-48-9	-	-	-	A1P2SL
Chloropicrin	76-06-2	OES	0.1	0.68	A1
Chloroprene	126-99-8	OES	10	37	AX
2-Chloropropionic acid	598-78-7	-	-	-	A1
Chlorosulphonic acid	7790-94-5	OES	-	1	E1P3SL
2-Chlorotoluene	95-49-8	OES	50	264	A1
<i>m</i> -Chlorotoluene	108-41-8	-	-	-	A1
<i>o</i> -Chlorotoluene	95-49-8	OES	50	264	A1
<i>p</i> -Chlorotoluene	106-43-4	-	-	-	A1
<i>α</i> -Chlorotoluene	100-44-7	-	-	-	A1(P2)

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Chlorpyrifos (ISO)	2921-88-2	OES	-	0.2	(A1)P3
Chromic acid	1333-82-0	MEL (as Cr(VI))	-	0.05 (Cr)	P3
Chromic chloride	10025-73-7	OES (as Cr(III))	-	0.5 (Cr)	P3
Chromic chromate	24613-89-6	MEL (as Cr(VI))	-	0.05 (Cr)	P3
Chromic oxide	1308-38-9	OES (as Cr(III))	-	0.5 (Cr)	P3
Chromium	7440-47-3	OES	-	0.5	P3
Chromium trioxide	1333-82-0	MEL (as Cr(VI))	-	0.05 (Cr)	P3
Chromous bromide	10049-25-9	OES (as Cr(II))	-	0.5 (Cr)	P3
Chromous fluoride	10049-10-2	OES (as Cr(II))	-	0.5 (Cr)	P3
Citral	5392-40-5	-	-	-	A1P2SL
Coal dust	-	OES resp dust	-	2	P2
Cobalt	-	MEL	-	0.1	P2
Cobaltic acetate	917-69-1	MEL (as Co)	-	0.1 (Co)	P3
Cobaltic oxide monohydrate	12016-80-7	MEL (as Co)	-	0.1 (Co)	P3
Cobaltous carbonate	513-79-1	MEL (as Co)	-	0.1 (Co)	P3
Cobaltous hydroxide	21041-93-0	MEL (as Co)	-	0.1 (Co)	P3
Cobaltous sulphate	10124-43-3	MEL (as Co)	-	0.1 (Co)	P3
Cobalt oxide	1307-96-6	MEL (as Co)	-	0.1 (Co)	P3
Colchicine	64-86-8	-	-	-	P3
Copper	7440-50-8	OES fume	-	0.2	P2
Copper chloride	7758-89-6	OES (as Cu)	-	2 (Cu)	P2
Copper hydroxide	20427-59-2	OES (as Cu)	-	2 (Cu)	P2
Copper naphthienate	1338-02-9	OES (as Cu)	-	2 (Cu)	P2SL
Copper (I) oxide	1317-39-1	OES (as Cu)	-	2 (Cu)	P3
Copper sulphate	7758-98-7	OES (as Cu)	-	2 (Cu)	P3
Cotton dust	-	MEL	-	2.5	P3
Creosote	8001-58-9	-	-	-	A1P2SL
Cresol	1319-77-3	OES	5	22	A1P2SL
m-Cresol	108-39-4	OES	5	22	A1P2SL
o-Cresol	95-48-7	OES	5	22	A1P2SL
p-Cresol	106-44-5	OES	5	22	A1P2SL
Cristobalite	-	MEL (silica)	-	0.3	P3
Crotonaldehyde	123-73-9	-	-	-	A1
Cryofluorane (INN)	76-14-2	OES	1000	7110	AX
Cryolite	15096-52-2	OES as fluoride	-	2.5 (F)	P2
Crystalline silica (respirable)	-	MEL (silica)	-	0.3	P3
Cumene	98-82-8	OES	25	125	A1

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Cyanamide	420-04-2	OES	-	2	A1P2
Cyanogen	460-19-5	OES	10	22	B1
Cyanogen chloride	506-77-4	OES(stel)	0.3	0.77	B1
Cyclobutane-1,3-dione	15506-53-3	-	-	-	A1
Cyclohexane	110-82-7	OES	100	350	A1
Cyclohexane-1,2-dicarboxylic anhydride	85-42-7	-	-	-	(A1)P2
Cyclohexanone	108-94-1	OES	25	102	A1
Cyclohexene	110-83-8	OES	300	1020	A1
Cyclohexylamine	108-91-8	OES	10	41	A1
2-Cyclohexyl-4,6-dinitrophenol	131-89-5	-	-	-	P2
Cyclonite (RDX)	121-82-4	OES	-	1.5	P2
Cyclopentanone	120-92-3	-	-	-	A1
Cyclopropane	75-19-4	-	-	-	SA
Cyhexatin (ISO)	13121-70-5	OES	-	5	P2
<b>D</b>					
2,4-D (ISO)	94-75-7	DES	-	5	P2
2,4-DES	149-29-6	OES	-	10	P2
Diacetone alcohol	123-42-2	OES	50	241	A1
Dialkyl 79 phthalate	-	OES	-	5	P2SL
Diallyl phthalate	131-17-9	OES	-	5	A1P2SL
4,4'-Diaminobiphenyl	92-87-5	-	-	-	P3
4,4'-Diaminodiphenylmethane	101-77-9	MEL	0.01	0.08	A1P3
1,2-Diaminoethane	107-15-3	OES	10	25	A1
Diammonium peroxodisulphate	7727-54-0	OES	-	1	P2
		(as S <sub>2</sub> O <sub>8</sub> )		(S <sub>2</sub> O <sub>8</sub> )	
o-Dianisidine	119-90-4	-	-	-	P3
Diarsenic trioxide	1327-53-3	MEL	-	0.1	P3
				(As)	
Dibenzoyl peroxide	94-36-0	OES	-	5	P2
Dibismuth tritelluride	1304-82-1	OES	-	10	P2
Dibismuth tritelluride, selenium doped	-	OES	-	5	P2
Diborane	1927-45-7	OES	0.1	0.12	B1
Diborane trioxide	1303-86-2	OES	-	10	P2
1,2-Dibromoethane	106-93-4	MEL	0.5	3.9	A1
Dibromomethane	74-95-3	-	-	-	A1
Dibutyl ether	142-96-1	-	-	-	A1
Dibutyl hydrogen phosphate	107-66-4	OES	1	8.7	A1P2SL
Dichloroacetic acid	79-43-6	-	-	-	A1
Dichloroacetylene	7572-29-4	OEL(stel)	0.1	0.39	SA
1,2-Dichlorobenzene	95-50-1	OES(stel)	50	306	A1
1,3-Dichlorobenzene	541-73-1	-	-	-	A1
1,4-Dichlorobenzene	106-46-7	OES	25	153	A1
o-Dichlorobenzene	95-50-1	OES(stel)	50	306	A1
p-Dichlorobenzene	106-46-7	OES	25	153	A1
Dichlorodifluoromethane	75-71-8	OES	1000	5030	SA
1,3-Dichloro-5,5-dimethyl-hydantoin	118-52-5	OES	-	0.2	P3
1,1-Dichloroethane	75-34-3	OES	200	823	AX
1,2-Dichloroethane	107-06-2	MEL	5	21	A1
1,2-Dichloroethylene	75-35-4	MEL	10	40	AX
1,2-Dichloroethylene	540-59-0	OES	200	806	AX
Dichlorofluoromethane	75-43-4	OES	10	40	SA
Dichloroisocyanuric acid	2782-57-2	-	-	-	P2
Dichloroisocyanuric acid, potassium salt	2244-21-5	-	-	-	P2
Dichloroisocyanuric acid, sodium salt	2893-78-9	-	-	-	P2
Dichloromethane	75-09-2	MEL	100	300	AX
2,2-Dichloro-4,4'-methylenedianiline	101-14-4	MEL	-	0.005	(A1)P3
2,4-Dichlorophenol	120-83-2	-	-	-	A1P2
1,2-Dichloropropane	78-87-5	-	-	-	A1
1,3-Dichloro-2-propanol	96-23-1	-	-	-	A1
1,2-Dichloropropene	563-54-2	-	-	-	A1
1,1-Dichloropropene	563-58-6	-	-	-	A1

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
2,2-Dichloropropionic acid	75-99-0	-	-	-	P2
$\alpha,\alpha$ -Dichlorotoluene	98-87-3	-	-	-	A1
Dichlorvos (ISO)	62-73-7	OES	0.1	0.92	A1P3SL
Dicopper(I) oxide	1317-39-1	OES (as Cu)	-	2 (Cu)	P2
Dicyclohexylamine	101-83-7	-	-	-	A1
Dicyclohexyl phthalate	84-61-7	OES	-	5	P2SL
Dicyclopentadiene	77-73-6	OES	5	27	A1
Dicyclopentadienyliron	102-54-5	OES	-	5	P2
Dieldrin (ISO)	60-57-1	OES	-	0.25	(A1)P3
Diethanolamine	111-42-2	OES	3	13	A1
Diethylamine	109-89-7	OES	10	30	K1
2-Diethylaminoethanol	100-37-8	OES	10	49	A1
2,6-Diethylaniline	579-66-8	-	-	-	A1
<i>N,N</i> -Diethyl-1,3-diaminopropane	104-78-9	-	-	-	A1
Diethylene glycol	111-46-6	OES	23	101	A1
Diethylene glycol diacrylate	4074-88-8	-	-	-	A1
Diethylene glycol dimethacrylate	693-21-0	-	-	-	A1
Diethylenetriamine	111-40-0	OES	1	4.3	A1
Diethyl ether	60-29-7	OES	400	1230	AX
Di-(2-ethylhexyl) phthalate	117-81-7	OES	-	5	P2SL
Diethyl ketone	96-22-0	OES	200	716	A1
<i>N,N</i> -Diethyl- <i>m</i> -toluamide	134-62-3	-	-	-	A1P2SL
Diethyl phthalate	84-66-2	OES	-	5	A1P2SL
Diethyl sulphate	64-67-5	MEL	0.05	0.32	A1P3SL
Digitoxin	71-63-6	-	-	-	P3
Diglycidyl ether [DGE]	2238-07-5	OES	0.1	0.54	A1
Di-isobutylene	107-39-1	-	-	-	A1
Di-isobutyl ketone	108-83-8	OES	25	148	A1
Diisobutyl phthalate	84-69-5	OES	-	5	A1P2SL
Diisodecyl phthalate	26761-40-0	OES	-	-	P2SL
Diisononyl phthalate	28553-12-0	OES	-	-	P2SL
Diisooctyl phthalate	27554-26-3	OES	-	-	P2SL
Diisopropylamine	108-18-9	OES	5	21	A1
Diisopropyl ether	108-20-3	OES	250	1060	A1
Di-isopropyl ketone	565-80-0	-	-	-	A1
Diketene	674-8-8	-	-	-	A1P2SL
Dilauroyl peroxide	105-74-8	-	-	-	P2
Di-linear 79 phthalate	-	OES	-	5	P2SL
Dimercury dichloride	10112-91-1	-	-	-	P3
1,2-Dimethoxyethane	110-71-4	-	-	-	A1
Dimethoxymethane	109-87-5	OES	1000	3160	AX
1,2-Dimethoxypropane	7778-85-0	-	-	-	A1
<i>N,N</i> -Dimethylacetamide	127-19-5	OES	10	36	A1
Dimethyl amine	124-40-3	OES	10	19	K1
2-Dimethylaminoethanol	108-01-0	OES	2	7.4	A1
2-Dimethylaminoethylamine	108-00-9	-	-	-	A1
<i>N,N</i> -Dimethylaniline	121-69-7	OES	5	25	A1P2SL
1,3-Dimethylbutyl acetate	108-84-9	OES	50	299	A1
1,4-Dimethylcyclohexane	589-90-2	-	-	-	A1
<i>N,N</i> -Dimethyl-1,3-diaminopropane	109-55-7	-	-	-	A1
Dimethyl ether	1158-10-6	OES	400	700	AX
<i>N,N</i> -Dimethylamine	598-56-1	OES	10	30	K1
Dimethyl formamide	68-12-2	OES	10	30	A1
2,6-Dimethylheptan-4-one	108-93-8	OES	25	148	A1
1,2-Dimethylhydrazine	540-73-8	-	-	-	K
<i>N,N</i> -Dimethylhydrazine	57-14-7	-	-	-	K1
2,4-Dimethylpentan-3-one	565-80-0	-	-	-	A1
Dimethyl phthalate	131-11-3	OES	-	5	A1P2SL
Dimethyl sulphate	77-78-1	MEL	0.05	0.26	A1P2SL
Dimethyl sulphoxide	67-68-5	-	-	-	A1P2SL
Di- <i>n</i> -butylamine	111-92-2	-	-	-	A1

شرکت ایمن تهران

تلفن: ۸۸۹۶۹۸۱۶

WWW.MANANTEHRAN.COM

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Di- <i>n</i> -butyl ether	142-96-1	-	-	-	A1
Di- <i>n</i> -butyl phosphate	107-66-4	OES	1	8.7	A1P2SL
Dinickel trioxide	1314-06-3	MEL	-	0.5 (as Ni)	P3
2,4-Dinitroaniline	97-02-9	-	-	-	P3
<i>m</i> -Dinitrobenzene	25154-54-5	OES	0.15	1.0	(A1)P2
Dinitrogen tetroxide	10544-72-6	-	-	-	NO
4,6-Dinitro- <i>o</i> -cresol [DNOC]	534-52-1	OES	-	0.2	A1P3
2,4-Dinitrophenol	51-28-5	-	-	-	(A1)P2
2,5-Dinitrophenol	329-71-5	-	-	-	(A1)P2
2,6-Dinitrophenol	573-56-8	-	-	-	(A1)P2
Dinitrotoluene	25321-14-6	-	-	-	P2
Dinonyl phthalate	84-76-4	OES	-	5	P2SL
Di- <i>n</i> -propylamine	142-84-7	-	-	-	A1
Di- <i>n</i> -propyl ether	111-43-3	-	-	-	A1
Di- <i>n</i> -propyl ketone	123-19-3	-	-	-	A1
1,4-Dioxane	123-91-1	OES	25	91	A1
Dioxathion (ISO)	78-34-2	OES	-	0.2	P3SL
1,3-Dioxolane	646-06-0	-	-	-	A1
Dipentene	138-86-3	-	-	-	A1
Diphenyl	92-52-4	OES	0.2	1.3	A1P2
Diphenylamine	122-39-4	OES	-	10	P2
Diphenyl ether	101-84-8	OES	-	-	A1P2
Diphenylmethane-4,4'-diisocyanate	101-68-8	vapour MEL (as -NCO)	1 - -	7.1 0.02 (-NCO)	SA
Diphosphorus pentasulphide	1314-80-3	OES	-	1	P2
Diphosphorus pentoxide	1314-56-3	OES(ste)	-	2	P2
Dipotassium peroxodisulphate	7727-21-1	OES (as S <sub>2</sub> O <sub>8</sub> )	- -	1 (S <sub>2</sub> O <sub>8</sub> )	P2
Diquat dibromide (ISO)	85-00-7	OES	-	0.5	P3
Di- <i>sec</i> -butylamine	626-23-3	-	-	-	A1
Di- <i>sec</i> -octyl phthalate	117-81-7	OES	-	5	P2SL
Disodium disulphite	7681-57-4	OES	-	5	(E1)P2
Disodium metasilicate	6834-92-0	-	-	-	P2
Disodium peroxodisulphate	7775-27-1	OES (as S <sub>2</sub> O <sub>8</sub> )	- -	1 (S <sub>2</sub> O <sub>8</sub> )	P2
Disodium tetraborate, anhydrous	1330-33-4	OES	-	1	P2
Disodium tetraborate, decahydrate	1303-96-4	OES	-	5	P2
Disodium tetraborate, pentahydrate	11130-12-4	OES	-	1	P2
Disulfoton (ISO)	298-04-4	OES	-	0.1	P3SL
Disulphur decafluoride	5714-22-7	OES	0.025	0.26	SA
Disulphur dichloride	10025-67-9	OES(ste)	1	5.6	B1P2SL
2,6-Di- <i>tert</i> -butyl- <i>para</i> -cresol	128-37-0	OES	-	10	P2
6,6-Di- <i>tert</i> -butyl-4,4'-dithiodi- <i>m</i> -cresol	96-69-5	OES	-	10	P2
Dithallium sulphate	7446-18-6	OES (as Ti)	- -	0.1 (Ti)	P3
Diuron (ISO)	330-54-1	OES	-	10	P2
Divanadium pentoxide	1314-62-1	OES	-	-	P3
		total dust	-	0.5	
		fume	-	0.05	
		resp. dust	-	0.05	
Divinylbenzene	108-57-6	OES	10	54	A1
<b>E</b>					
Ernary	1302-74-5	OES	-	-	P1
		total dust	-	10	
		resp dust	-	4	
Endosulfan (ISO)	115-29-7	OES	-	0.1	P3
Endrin (ISO)	72-20-8	OES	-	0.1	P3
Enflurane	13838-16-9	OES	50	383	AX
Ephedrine	299-42-3	-	-	-	P3

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Epichlorohydrin	106-89-8	MEL	0.5	1.9	A1P2SL
1,2-Epoxypropane	75-56-9	MEL	5	12	AX
2,3-Epoxy-1-propanol	556-52-5	-	-	-	A1
2,3-Epoxypropyl isopropyl ether	4016-14-2	OES	50	241	A1
Epoxy resin (MW <= 700)	25068-38-6	-	-	-	A1P2SL
Ethanal	75-07-0	-	-	-	AX
Ethane	74-84-0	-	-	-	SA
Ethane-1,2-diol	107-21-1	OES	-	-	A1P2SL
		particulate	-	10	
		vapour	-	60	
Ethanethiol	75-08-1	OES	0.5	1.3	APSLAX
Ethanol	64-17-5	OES	1000	1920	A1
Ethanolamine	141-43-5	OES	3	7.6	A1
Ether	60-29-7	OES	400	1230	AX
2-Ethoxyethanol	110-80-5	MEL	10	37	A1
2-Ethoxyethyl acetate	111-15-9	MEL	10	55	A1
Ethyl acetate	141-78-6	OES	400	1480	A1
Ethyl acrylate	140-88-5	OES	5	21	A1
Ethyl alcohol	64-17-5	OES	1000	1920	A1
Ethylamine	75-04-7	OES	10	19	K1
Ethylbenzene	100-41-4	OES	100	441	A1
Ethyl bromide	74-96-4	OES	200	906	AX
Ethyl butyl ketone	106-35-4	OES	50	237	A1
Ethyl chloride	75-00-3	OES	1000	2700	AX
Ethyl chloroformate	541-41-3	OES	1	4.5	A1
Ethylene	74-85-1	-	-	-	SA
Ethylene chlorohydrin	107-07-3	OES(stel)	1	3.4	A1
Ethylenediamine	107-15-3	OES	10	25	A1
Ethylene dibromide	106-93-4	MEL	0.5	3.9	A1
Ethylene dichloride	107-06-2	MEL	5	21	A1
Ethylene dinitrate	628-96-6	OES	0.2	1.3	A1
Ethylene glycol	107-21-1	OES	-	-	A1P2SL
		particulate	-	10	
		vapour	-	60	
Ethylene glycol dimethacrylate	97-90-5	-	-	-	A1
Ethylene glycol dimethyl ether	110-71-4	-	-	-	A1
Ethylene glycol dinitrate	628-96-4	OES	0.2	1.3	A1
Ethylene glycol monobutyl ether	111-76-2	OES	25	123	A1
Ethylene glycol monoethyl ether	110-80-5	MEL	10	37	A1
Ethylene glycol monomethyl ether	109-86-4	MEL	5	16	A1
Ethylene glycol monomethyl ether acetate	110-49-6	MEL	5	25	A1
Ethyleneimine	151-56-4	-	-	-	K1
Ethylene oxide	75-21-8	MEL	5	9.2	AX
Ethylene thiourea	96-45-7	-	-	-	P2
Ethyl ether	60-29-7	OES	400	1230	AX
Ethyl formate	109-94-4	OES	100	308	AX
Ethylglycol acetate	111-15-9	MEL	10	55	A1
2-Ethylhexyl acrylate	103-11-7	-	-	-	A1
2-Ethylhexyl chloroformate	24468-13-1	OES	1	8	A1
Ethylidene dichloride	75-34-3	OES	200	823	AX
Ethyl lactate	97-64-3	-	-	-	A
Ethyl mercaptan	75-08-1	OES	0.5	1.3	AX
Ethyl methacrylate	97-63-2	-	-	-	A1
4-Ethylmorpholine	100-74-3	OES	5	24	A1
Ethyl propionate	105-37-3	-	-	-	A1
Ethyl-silicate	78-10-4	OES	10	87	A1
Ethyne	74-86-2	-	-	-	SA
<b>F</b>					
Fenbutatin oxide	13356-08-6	OES	-	0.1	P1
				(Sn)	
Fenchlorphos (ISO)	299-84-3	OES	-	10	A1P2

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Fentin acetate (ISO)	900-95-8	OES	-	0.1 (Sn)	P3
Fentin hydroxide (ISO)	76-87-9	OES	-	0.1 (Sn)	P3
Ferbam (ISO)	14484-64-1	OES	-	10	P2
Ferrocene	102-54-5	OES	-	5	P2
Ferrous foundry particulate	-	MEL	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Flour dust	-	-	-	-	P2
Fluorine	7782-41-4	OES(stel)	1	1.6	B1
Fluoroacetic acid	144-49-0	-	-	-	(A1)P2
Fluoroboric acid (HBF <sub>4</sub> )	16872-11-0	-	-	-	B1
Fluorodichloromethane	75-43-4	OES	10	40	SA
Formaldehyde	50-00-0	MEL	2	2.5	B1
Formamide	75-12-7	OES	20	37	A1
Formic acid	6418-6	OES	5	9.6	A1
Fumaric acid	110-17-8	-	-	-	P2
Furan	110-00-9	-	-	-	AX
2-Furaldehyde	98-01-1	OES	2	8	A1
Furfural	98-01-1	OES	2	8	A1
Furfuraldehyde	98-01-1	OES	2	8	A1
Furfuryl alcohol	98-00-0	OES	5	20	A1
<b>G</b>					
Germane	7782-65-2	OES	0.2	0.64	SA
Germanium tetrahydride	7782-65-2	OES	0.2	0.64	SA
Glutaraldehyde	111-30-8	OES(stel)	0.2	0.83	A1
Glycerol, mist	56-81-5	OES	-	10	(A1)P2SL
Glycerol trinitrate	55-63-0	OES	0.2	1.9	A1P2SL
Glycidol	556-52-5	-	-	-	A1
Grain dust	-	MEL	-	10	P2
Graphite	7440-40-0	MEL	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Gypsum	10101-41-4	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
<b>H</b>					
Hafnium	7440-58-6	OES	-	0.5	P3
Halothane	151-67-7	OES	10	82	AX
Hardwood dust	-	MEL	-	5	P2
γ-HCH (ISO)	58-89-9	OES	-	0.1	(A1)P3
n-Heptane	142-82-5	-	-	-	A1
Heptanoic acid	111-14-8	-	-	-	A1
Heptan-2-one	110-43-0	OES	50	237	A1
Heptan-3-one	106-35-4	OES	50	237	A1
Heptan-4-one	123-19-3	-	-	-	A1
Hexachlorobenzene	118-74-1	-	-	-	(A1)P3
Hexachloroethane	67-72-1	OES	-	-	A1P2
		vapour	5	49	
		total dust	-	10	
		resp dust	-	4	
Hexahydro-1,3,5-trinitro-1,3,5-triazine	121-82-4	OES	-	1.5	P2
Hexamethylenediamine	124-09-4	-	-	-	A1P2
Hexamethylene diisocyanate (HMDI)	822-06-0	MEL	-	0.02 (-NCO)	SA
		(as -NCO)	-	(-NCO)	
n-Hexane	110-54-3	OES	20	72	A1
Hexan-1-ol	111-27-3	-	-	-	A1
1,6-Hexanolactam	105-60-2	OES	-	-	A1P2
		dust	-	1	
		vapour	5	23	

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Hexan-2-one	591-78-6	OES	5	21	A1
Hexone	108-10-1	OES	50	208	A1
Hexylene glycol	80-62-6	OES	25	123	A1
Histamine	51-45-6	-	-	-	P3
Histidine	71-00-1	-	-	-	P3
Hydrazine	302-01-2	MEL	0.02	0.03	K1
Hydrazoic acid	7782-79-8	OES(stel)	0.1	0.18	B1P3
Hydriodic acid	10034-85-2	-	-	-	B1P2
Hydrobromic acid	10035-10-6	OES(stel)	3	10	E1P2
Hydrochloric acid	7647-01-0	OES(stel)	5	7.6	E1P2
Hydrocyanic acid	74-90-8	MEL(stel)	10	11	B1P2SL
Hydrofluoric acid	7664-39-3	OES(stel)	3	2.5	B1P2
				(F)	
Hydrogen	1333-74-0	-	-	-	SA
Hydrogen bromide	10035-10-6	DES(stel)	3	10	E1
Hydrogen chloride	7647-01-0	DES(stel)	5	7.6	E
Hydrogen cyanide	74-90-8	MEL(stel)	10	11	B1P2SL
Hydrogen fluoride	7664-39-3	OES(stel)	3	2.5	B1P2SL
				(F)	
Hydrogen iodide	10034-85-2	-	-	-	B1
Hydrogen peroxide	7722-84-1	OES	1	1.4	SA
Hydrogen selenide	7783-07-5	OES	0.05	0.17	B1
Hydrogen sulphide	7783-6-4	OES	10	14	B1
Hydroquinone	123-31-9	OES	5	2	P2
4-Hydroxy-4-methylpentan-2-one	123-42-2	OES	50	241	A1
2-Hydroxypropyl acrylate	999-61-9	OES	0.5	2.7	A1
Hyoscine	51-34-3	-	-	-	P3
Hyoscyamine	101-31-3	-	-	-	P3
<b>I</b>					
2,2'-Iminodiethanol	111-42-2	OES	3	13	A1
2,2'-Iminodiethylamine	111-40-0	OES	1	4.3	A1
Indene	93-13-6	OES	10	48	A1
Indium	7440-74-6	OES	-	0.1	P3
Indium oxide	1312-43-2	OES	-	0.1	P3
		(as In)			
Indium sulphate	13464-82-9	OES	-	0.1	P3
		(as In)			
Iodine	7553-56-2	OES(stel)	0.1	1.1	B1P2
Iodoform	75-47-8	OES	0.6	9.8	A1P2
Iodomethane	74-88-4	MEL	2	12	AX
Iron(II) chloride	7758-94-3	OES	-	1	P2
		(as Fe)			
Iron(III) chloride	7705-08-0	OES	-	1	P2
		(as Fe)			
Iron oxide fume	1309-37-1	OES	-	5	P2
Iron(III) nitrate	10421-48-4	OES	-	1	P2
		(as Fe)			
Iron pentacarbonyl	3463-40-6	OES	0.01	0.08	SA
		(as Fe)			
Iron(II) sulphate	7720-78-7	OES	-	1	P2
		(as Fe)			
Iron(III) sulphate	10028-22-5	OES	-	1	P2
		(as Fe)			
Isoamyl acetate	123-92-2	OES	100	541	A1
Isoamyl alcohol	123-51-3	OES	100	366	A1
Isoamyl methyl ketone	110-12-3	OES	50	237	A1
Isobutyl acetate	110-19-0	OES	150	724	A1
Isobutyl acrylate	106-63-8	-	-	-	A1
Isobutyl alcohol	78-83-1	OES	50	154	A1
Isobutyl methacrylate	97-86-9	-	-	-	A1
Isobutyl methyl ketone	108-10-1	OES	50	208	A1

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Isocyanates	-	MEL (as -NCO)	-	0.02 (-NCO)	SA
isoflurane	26675-46-7	OES	50	383	AX
isooctyl alcohol, mixed isomers	26952-21-6	OES	50	271	A1
Isopentyl acetate	123-92-2	OES	100	541	A1
Isophorone	78-59-1	OES(stel)	5	29	A1
Isophorone diamine	2855-13-2	-	-	-	A1(P2)
Isophorone diisocyanate	4098-71-9	MEL (as -NCO)	-	0.02 (-NCO)	SA
Isoprene	78-79-5	-	-	-	SA
Isopropenylbenzene	98-83-9	OES(stel)	100	491	A1
Isopropyl acetate	108-21-4	OES(stel)	200	849	A1
Isopropyl alcohol	67-63-0	OES	400	999	A1
Isopropylamine	75-31-0	-	-	-	K1
Isopropylbenzene	98-82-8	OES	25	125	A1
Isopropyl chloroacetate	105-48-6	-	-	-	A1
Isopropyl chloroformate	108-23-6	OES	1	5.1	A1
Isopropyl ether	108-20-3	OES	250	1060	A1
Isopropyl formate	625-55-8	-	-	-	A1
Isopropyl glycidyl ether [IGE]	4016-14-2	OES	50	241	A1
<b>K</b>					
Kaolin	1332-58-7	OES resp dust	-	2	P2
Kerosene	8008-20-6	-	-	-	A1P2SL
Ketene	463-51-4	OES	0.5	0.87	SA
<b>L</b>					
Lead	7439-92-1	LAS	-	0.15	P3
Lead acetate	301-04-2	LAS (as Pb)	-	0.15 (Pb)	P3
Lead dioxide	1309-60-0	LAS (as Pb)	-	0.15 (Pb)	P3
Lead monoxide	1317-36-8	LAS (as Pb)	-	0.15 (Pb)	P3
Lead nitrate	10099-74-8	LAS (as Pb)	-	0.15 (Pb)	P3
Lead phosphate	7446-27-7	LAS (as Pb)	-	0.15 (Pb)	P3
Lead sulphate	7446-14-2	LAS (as Pb)	-	0.15 (Pb)	P3
Lead tetraethyl	78-00-2	LAS (as Pb)	-	0.10 (Pb)	A1P3SL
Lead tetraoxide	1314-41-6	LAS (as Pb)	-	0.15 (Pb)	P3
Lead 2,4,5-trinitroresorcin oxide	15245-44-0	LAS (as Pb)	-	0.15 (Pb)	P3
Limestone	1317-65-3	OES total dust resp dust	-	10 4	P2
Lindane [γ-BHC (ISO)]	58-89-9	OES	-	0.1	(A1)P3
Liquefied petroleum gas	68476-85-7	OES	1000	1750	SA
Lithium	7439-93-2	-	-	-	P2
Lithium aluminium hydride	16853-85-3	-	-	-	P2
Lithium hydride	7580-67-8	OES	-	0.025	P3
Lithium hydroxide	1310-65-2	OES(stel)	-	1	P2
<b>M</b>					
Magnesite	546-93-0	OES total dust resp dust	-	10 4	P2

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Magnesium	7439-95-4	-	-	-	P2
Magnesium oxide	1309-48-4	OES total dust resp dust fume	- - - -	10 4 4 10	P2
Malathion (ISO)	121-75-5	OES	-	10	A1P2SL
Maleic acid	110-16-7	-	-	-	P2
Maleic anhydride	108-31-6	MEL	-	1	(A1)P2
Malononitrile	109-77-3	-	-	-	A1P2SL
Manganese	7439-96-5	OES fume	- -	1 5	P2
Manganese dioxide	1313-13-9	OES (as Mn)	- -	5 (Mn)	P2
Manganese sulphate	7785-87-7	OES (as Mn)	- -	5 (Mn)	P2
Manganese tetroxide	1317-35-7	OES	-	1	P2
Man-made mineral fibre	-	MEL	-	5	P2
Marble	1317-65-3	OES total dust resp dust	- - -	2 f/ml 10 4	P2
MbDCA	101-14-4	MEL	-	0.005	(A1)P2
Mequinol (INN)	150-76-5	OES	-	5	A1
Mercaptoacetic acid	68-11-1	OES	1	3.8	A1P2SL
Mercuric chloride	7487-94-7	OES (as Hg)	- -	0.025 (Hg)	P3
Mercuric oxide	21908-53-2	OES (as Hg)	- -	0.025 (Hg)	P3
Mercuric sulphate	7783-35-9	OES (as Hg)	- -	0.025 (Hg)	P3
Mercury	7439-97-6	OES	-	0.025	HgP3
Mercury dichloride	7487-94-7	OES (as Hg)	- -	0.025 (Hg)	P3
Mesitylene	108-67-8	OES	25	125	A1
Mesityl oxide	141-79-7	OES	15	61	A1
Metaaldehyde	108-62-3	-	-	-	P2
Metanilic acid	121-47-1	-	-	-	P2
Methacrylic acid	79-41-4	OES	20	72	A1
Methacrylonitrile	126-98-7	OES	1	2.8	A1
Methane	74-82-8	-	-	-	SA
Methanesulphonic acid	75-75-2	-	-	-	E1P2SL
Methanethiol	74-93-1	OES	0.5	1.0	AX
Methanol	67-56-1	OES	200	266	AX
Methomyl (ISO)	16752-77-5	OES	-	2.5	(A1)P2
2-Methoxyaniline	90-04-0	OES	0.1	0.51	A1P3
4-Methoxyaniline	104-94-9	OES	0.1	0.51	A1P3
3-Methoxybutyl acetate	4435-53-4	-	-	-	A1
Methoxychlor (ISO)	72-43-5	OES	-	10	P2
2-Methoxyethanol	109-86-4	MEL	5	16	A1
2-Methoxyethyl acetate	140-49-6	MEL	5	25	A1
2-Methoxyethylmercury chloride	123-88-6	OES (as Hg)	- -	0.01 (Hg)	HgP3
p-Methoxyphenol [Mequinol (INN)]	150-76-5	OES	-	5	A1
1-Methoxypropan-2-ol	107-98-2	OES	100	375	A1
Methyl acetate	79-20-9	OES	200	616	AX
Methyl acrylate	96-33-3	OES	10	36	A1
Methylamine	74-89-5	OES	10	13	K1
Methyl-n-amy ketone	110-43-0	OES	50	237	A1
N-Methylaniline	100-61-8	OES	0.5	2.2	A1

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Methyl bromide	74-83-9	OES	5	20	AX
2-Methylbuta-1,3-diene	78-79-5	-	-	-	SA
2-Methylbutan-2-ol	75-85-4	-	-	-	A1
3-Methylbutan-1-ol	123-51-3	OES	100	366	A1
3-Methylbutan-2-one	563-80-4	-	-	-	A1
1-Methylbutyl acetate	626-38-0	OES(stel)	150	812	A1
Methyl <i>t</i> -butyl ether [MTBE]	1634-04-4	-	-	-	AX
Methyl <i>n</i> -butyl ketone	591-78-6	OES	5	21	A1
Methyl chloride	74-87-3	OES	50	105	SA
Methyl chloroformate	79-22-1	-	-	-	A1
Methyl 2-cyanoacrylate	137-05-3	OES	2	9.2	A1
Methylcyclohexane	108-87-2	-	-	-	A1
Methylcyclohexanol	25639-42-3	OES	50	237	A1
2-Methylcyclohexanol	583-59-5	OES	50	237	A1
2-Methylcyclohexanone	583-60-8	OES	50	233	A1
Methylcyclopentadienyl manganese tricarbonyl	12108-13-3	OES (as Mn)	-	0.2 (Mn)	SA
2-Methyl-4,6-dinitrophenol	534-52-1	OES	-	0.2	A1P3
4,4'-Methylenebis(2-chloroaniline)	101-14-4	MEL	-	0.005	(A1)P3
Methylene chloride	75-09-2	MEL	100	300	AX
4,4'-Methylenedianiline	101-77-9	MEL	0.01	0.08	A1P3
Methylene dibromide	74-95-3	-	-	-	A1
4,4'-Methylene-diphenyl diisocyanate	101-68-8	MEL (as -NCO)	-	0.02 (-NCO)	SA
Methyl ethyl ketone	78-93-3	OES	200	600	A1
Methyl ethyl ketone peroxide	1338-23-4	OES(stel)	0.2	1.5	A1
Methyl formate	107-31-3	OES	100	250	AX
5-Methylheptan-3-one	541-85-6	OES	25	133	A1
5-Methylhexan-2-one	110-12-3	OES	50	237	A1
Methyl iodide	74-88-4	MEL	2	12	AX
Methyl isoamyl ketone	110-12-3	OES	50	237	A1
Methyl isobutyl carbinol	108-11-2	OES	25	106	A1
Methyl isobutyl ketone	108-10-1	OES	50	208	A1
Methyl mercaptan	74-93-1	OES	0.5	1.0	AX
Methyl methacrylate	80-62-6	OES	50	208	A1
<i>N</i> -Methyl- <i>N</i> -2,4,6-tetranitroaniline [Tetryl]	479-45-8	OES	-	1.5	P2
Methyloxirane	75-56-9	MEL	5	12	AX
Methyl parathion	298-00-0	OES	-	0.2	A1P3
2-Methylpentan-2,4-diol	107-41-5	OES	25	123	A1
4-Methylpentan-2-ol	108-11-2	OES	25	106	A1
4-Methylpentan-2-one	108-10-1	OES	50	208	A1
4-Methylpent-3-en-2-one	141-79-7	OES	15	61	A1
2-Methylpropan-1-ol	78-83-1	OES	50	154	A1
2-Methylpropan-2-ol	75-65-0	OES	100	308	A1
2-Methyl-2-propene nitrile	126-98-7	OES	1	2.8	A1
2-Methylpropenoic acid	79-41-4	OES	20	72	A1
Methyl propionate	554-12-1	-	-	-	A1
Methyl propyl ketone	107-87-9	OES	200	716	A1
1-Methyl-2-pyrrolidine	872-50-4	OES	100	412	A1
<i>N</i> -Methyl-2-pyrrolidine	872-50-4	OES	100	412	A1
Methyl silicate	681-84-5	OES	1	6.3	A1
$\alpha$ -Methylstyrene	98-83-9	OES(stel)	100	491	A1
Methylstyrenes (all isomers except $\alpha$ -Methylstyrene)	25013-15-4	OES	100	491	A1
Mevinphos (ISO)	7786-34-7	OES	0.01	0.09	A1P3SL
Mica	12001-26-2	OES	-	-	P2
		total dust	-	10	
		resp dust	-	0.8	
Molybdenum trioxide	1313-27-5	OES (as Mo)	-	5 (Mo)	P2
Monochloroacetic acid	79-11-8	OES	0.3	1.2	(A1)P2
Morpholine	110-91-8	OES	10	72	A1

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
<b>N</b>					
Naled (ISO)	300-76-5	OES	-	3	(A1)P2SL
Naphthalene	91-20-3	OES	10	53	A1P2
2-Naphthol	135-19-3	-	-	-	A1P3
$\beta$ -Naphthol	135-19-3	-	-	-	A1P3
1-Naphthylamine	134-32-7	-	-	-	A1P3
2-Naphthylamine	91-59-8	-	-	-	(A1)P3
$\alpha$ -Naphthylamine	134-32-7	-	-	-	A1P2
$\beta$ -Naphthylamine	91-59-8	-	-	-	(A1)P3
Nickel	7440-02-0	MEL	-	0.5	P3
Nickel carbonate	333-67-3	MEL	-	0.5	P3
		(as Ni)	-	(Ni)	
Nickel chloride	7718-54-9	MEL	-	0.1	P3
		(as Ni)	-	(Ni)	
Nickel dihydroxide	12054-48-7	MEL	-	0.5	P3
		(as Ni)	-	(Ni)	
Nickel monoxide	1313-99-1	MEL	-	0.5	P3
		(as Ni)	-	(Ni)	
Nickel nitrate	13138-45-9	MEL	-	0.1	P3
		(as Ni)	-	(Ni)	
Nickel sulphate	7786-81-4	MEL	-	0.1	P3
		(as Ni)	-	(Ni)	
Nickel sulphide	16812-54-7	MEL	-	0.5	P3
		(as Ni)	-	(Ni)	
Nickel tetracarbonyl	13463-39-3	OES	-	0.1	SA
		(as Ni)	-	(Ni)	
Nicotinamide	98-92-0	-	-	-	P3
Nicotine	54-11-5	OES	-	0.5	A1P3SL
Nitrapyrin (ISO)	1929-82-4	OES	-	10	(A1)P2
Nitric acid	7697-37-2	OES	2	5.2	E1P2SL
<i>m</i> -Nitroaniline	99-09-2	-	-	-	(A1)P3
<i>o</i> -Nitroaniline	88-74-4	-	-	-	(A1)P3
<i>p</i> -Nitroaniline	100-01-6	OES	-	6	(A1)P3
4-Nitroaniline	100-01-6	OES	-	6	(A1)P3
Nitrobenzene	98-95-3	OES	-	5.1	A1
Nitrocellulose (> 12.6% Nitrogen)	-	-	-	-	P1
Nitrocellulose (< 12.6% Nitrogen)	-	-	-	-	P1
Nitroethane	79-24-3	OES	100	312	A1
Nitrogen	7727-37-9	-	-	-	SA
Nitrogen dioxide	10102-44-0	OES	3	5.7	NO
Nitrogen monoxide	10102-43-9	OES	25	31	NO
Nitrogen trifluoride	7783-54-2	OES	10	30	B1
Nitroglycerine	55-63-0	OES	0.2	1.9	A1P2SL
Nitromethane	75-52-5	OES	100	254	A1
1-Nitropropane	108-03-2	OES	25	93	A1
4-Nitrotoluene	99-99-0	OES	5	29	A1P2SL
2-Nitrotoluene	88-72-2	OES	5	29	A1P2SL
Nonanoic acid	112-05-0	-	-	-	A1
Nonyl phenol	25154-52-3	-	-	-	A1P2SL
<b>O</b>					
Octachloronaphthalene	2234-13-1	OES	-	0.1	(A1)P3
Octane	111-65-9	-	-	-	A1
Oil mist, mineral	-	OES	-	5	P2SL
Ofeum	-	-	-	-	E1P2SL
Orthophosphoric acid	7664-38-2	OES(stel)	-	2	P2
Osmic acid	20816-12-0	OES	0.0002	0.02	SA
Osmium tetroxide	20816-12-0	OES	0.0002	0.02	SA
Ouabain	630-60-4	-	-	-	P3
Oxalic acid	144-62-7	OES	-	1	P2

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Oxalonnitrile	460-19-5	OES	10	22	B1
Oxirane	75-21-8	MEL	5	9.2	AX
Oxydiethanol	111-46-6	OES	23	101	A1
Ozone	10028-15-6	OES(stel)	0.2	0.4	A1
<b>P</b>					
Papaverine	58-74-2	-	-	-	P3
Paracetamol	103-90-2	OES	-	-	P2
		total dust	-	10	
Paraffin wax, fume	8002-74-2	OES	-	2	P2
Paraldehyde	123-63-7	-	-	-	A1
Paraquat dichloride (ISO)	1910-42-5	OES	-	-	P3
		resp dust	-	0.08	
Parathion (ISO)	56-38-2	OES	-	0.1	A1P3SL
Parathion-methyl (ISO)	298-00-0	OES	-	0.2	A1P3
Pentacarbonyliron	13463-40-6	OES	0.01 (as Fe)	0.08 (Fe)	SA
Pentachlorophenol	87-68-5	OES	-	0.5	(A1)P3
Pentaerythritol	115-77-5	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Pentamidine	100-33-4	-	-	-	P3
Pentane	109-66-0	-	-	-	AX
Pentane-2,4-dione	123-54-6	-	-	-	A1
Pentan-1-ol	71-41-0	-	-	-	A1
Pentan-2-ol	6032-29-7	-	-	-	A1
Pentan-3-ol	584-02-1	-	-	-	A1
Pentan-2-one	107-87-9	OES	200	716	A1
Pentan-3-one	96-22-0	OES	200	716	A1
Pentyl acetate	628-63-7	OES	100	541	A1
Peracetic acid	79-21-0	-	-	-	A1
Perchloric acid	7601-90-3	-	-	-	B1P2SL
Perchloroethylene	127-18-4	OES	50	345	A1
Perchloryl fluoride	7616-94-6	OES	3	13	B1
Phenacyl chloride	532-27-4	OES	0.05	0.32	A1P3
1,10-Phenanthroline	66-71-7	-	-	-	P2
Phenol	108-95-2	OES	-	0	A1P2
2-Phenoxyethanol	122-99-6	-	-	-	A1P2SL
<i>m</i> -Phenylenediamine	108-45-2	-	-	-	P3
<i>o</i> -Phenylenediamine	95-54-5	-	-	-	P3
<i>p</i> -Phenylenediamine	106-50-3	OES	-	0.1	P3
<i>m</i> -Phenylenediamine dihydrochloride	541-69-5	-	-	-	P3
<i>p</i> -Phenylenediamine dihydrochloride	624-18-0	-	-	-	P3
Phenyl-2,3-epoxypropyl ether	122-60-1	OES	1	6.2	A1
Phenylethylene	100-42-5	MEL	100	430	A1
Phenyl glycidyl ether	122-60-1	OES	1	6.2	A1
Phenylhydrazine	100-63-0	-	-	-	A1P2
2-Phenylpropene	98-83-9	OES(stel)	100	491	A1
1-Phenyl-3-pyrazolidone	92-43-3	-	-	-	P2
Phorate (ISO)	298-02-2	OES	-	0.05	A1P3SL
Phosgene	75-44-5	OES	0.02	0.08	SA
Phosphine	7803-51-2	OES(stel)	0.3	0.42	B1
Phosphoric acid	7664-38-2	OES(stel)	-	2	P2
Phosphorus, yellow (red)	7723-14-0	OES	-	0.1	P3
Phosphorus, white	12185-10-3	-	-	-	P3
Phosphorus oxychloride	10025-87-3	OES	0.2	1.3	B1P2SL
Phosphorus pentachloride	10026-13-8	OES	0.1	0.87	B1P3
Phosphorus pentasulphide	1314-80-3	OES	-	1	P2
Phosphorus pentoxide	1314-56-3	OES(stel)	-	2	P2
Phosphorus trichloride	7719-12-2	OES	0.2	1.1	B1P2SL
Phosphoryl chloride	10025-87-3	OES	0.2	1.3	B1P2SL
Phthalic anhydride	85-44-9	MEL	-	4	P2

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Physostigmine	57-47-6	-	-	-	P3
Picloram (ISO)	1918-02-1	OES	-	10	P2
2-Picoline	109-06-8	-	-	-	A1
4-Picoline	108-89-4	-	-	-	A1
Picric acid	88-89-1	OES	-	0.1	P3
Piperazine	110-85-0	-	-	-	(A1)P2
Piperazine dihydrochloride	142-64-3	OES	-	5	P2
Piperidine	110-85-0	OES	1	8.5	A1
Plaster of Paris	26499-65-0	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Platinic chloride	16941-12-1	MEL (as Pt)	-	0.002	P3
Platinum	7440-06-4	OES	-	5	P2
Platinum dioxide	1314-15-4	-	-	-	P3
Polychlorinated biphenyls	1336-36-3	MEL	-	0.1	A1P3SL
Polyvinyl chloride	9002-86-2	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Portland cement	65997-15-1	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Potassium chloride	7447-40-7	-	-	-	P2
Potassium fluoride	7789-23-3	OES (as F)	-	2.5 (F)	P2
Potassium hydroxide	1310-58-3	OES(stel)	-	2	P2
Potassium permanganate	7722-64-7	OES (as Mn)	-	5	P2
Potassium persulphate	7727-21-1	OES (as S <sub>2</sub> O <sub>8</sub> )	-	1 (S <sub>2</sub> O <sub>8</sub> )	P2
Propanal	123-38-6	-	-	-	AX
Propane	74-98-6	-	-	-	SA
Propane-1,2-diol	57-55-6	OES	-	-	A1P2SL
		vap. + part. particulate	150	474	
			-	10	
α-Propanol	71-23-8	OES	200	500	A1
Propan-1-ol	71-23-8	OES	200	500	A1
Propan-2-ol	67-63-0	OES	400	999	A1
Propargyl alcohol	107-19-7	OES	1	2.3	A1
Propene	115-07	-	-	-	SA
1,3-Propiolactone	57-57-8	-	-	-	A1
β-Propiolactone	57-57-8	-	-	-	A1
Propionaldehyde	123-38-6	-	-	-	AX
Propionic acid	79-09-4	OES	10	31	A1
Propionic anhydride	123-62-6	-	-	-	A1
Propoxur (ISO)	114-26-1	OES	-	0.5	P3
Propranolol	525-66-6	OES	-	2	P2
n-Propyl acetate	109-60-4	OES	200	849	A1
Propyl acetate	109-60-4	OES	200	849	A1
Propyl alcohol	71-23-8	OES	200	500	A1
Propylbenzene	103-65-1	-	-	-	A1
Propylene	115-07-1	-	-	-	SA
Propylenediamine	78-90-0	-	-	-	A1
Propylene dichloride	78-87-5	-	-	-	A1
Propylene dinitrate	6423-43-4	OES	0.2	1.4	A1
Propylene glycol	57-55-6	OES	-	-	A1P2SL
		vap. + part. particulate	150	474	
			-	10	
Propylene glycol dinitrate	6423-43-4	OES	0.2	1.4	A1
Propylene glycol monomethyl ether	107-98-2	OES	100	375	A1
Propylene oxide	75-56-9	MEL	5	12	AX
Propyl formate	2122-19-2	-	-	-	A1

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Propyl propionate	106-36-5	-	-	-	A1
Prop-2-yn-1-ol	107-19-7	OES	1	2.3	A1
Pulverised fuel ash	-	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Pyrethrins	8003-34-7	OES	-	5	P2SL
		Pyrethrins	-	-	
Pyridine	110-86-1	OES	5	16	A1
Pyrocatechol	120-80-9	OES	5	23	(A1)P2
<b>Q</b>					
Quartz, crystalline	-	MEL	-	0.3	P3
Quinol	123-31-9	OES	-	2	P2
Quinone	106-51-4	OES	0.1	0.45	A1P3
<b>R</b>					
RDX	121-82-4	OES	-	1.5	P2
Resorcinol	108-46-3	OES	10	46	(A1)P2
Rhodium	7440-16-6	OES	-	0.1	P3
Rhodium chloride	10049-07-7	OES	-	0.001	P3
Ribavirin	36791-04-5	-	-	-	P3
Rosin	8050-09-7	-	-	-	A1P2SL
	8052-10-6	-	-	-	
	73138-82-6	-	-	-	
Rotenone (ISO)	83-79-4	OES	-	5	P2
Rouge	1309-37-1	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Rubber fume	-	MEL	-	0.6	P3
Rubber process dust	-	MEL	-	6	P2
Ryania	15662-33-6	-	-	-	P3
<b>S</b>					
Saccharin	81-07-2	-	-	-	P2
Selenium	7782-49-2	OES	-	0.1	P3
Selenium dioxide	7446-08-4	OES	-	0.1	P3
Silane	7803-62-5	OES	0.5	0.67	SA
Silica, amorphous	-	OES	-	-	P2
		total dust	-	6	
		resp dust	-	2.4	
Silica, crystalline	-	MEL	-	-	P3
		resp dust	-	0.3	
Silica, fused	60676-62-5	OES	-	-	P3
		resp dust	-	0.08	
Silicon	7440-21-3	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Silicon carbide (not whiskers)	409-21-2	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Silicon tetrachloride	10026-04-7	-	-	-	B1P2SL
Silicon tetrahydride	7803-62-5	OES	0.5	0.67	SA
Silver bromide	7785-23-1	OES	-	0.01	P3
		(as Ag)	-	(Ag)	
Silver chloride	7783-90-6	OES	-	0.01	P3
		(as Ag)	-	(Ag)	
Silver nitrate	7761-88-8	OES	-	0.01	P3
		(as Ag)	-	(Ag)	
Sodium azide	26628-22-8	OES(stel)	-	0.3	P3
Sodium carbonate	497-19-8	-	-	-	P2
Sodium chlorate	7775-09-9	-	-	-	P2

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۴

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Sodium 2-(2,4-dichlorophenoxy)ethyl sulphate	136-78-7	OES	-	10	P2
Sodium fluoride	7681-49-4	OES (as F)	-	2.5 (F)	P2
Sodium fluoroacetate	62-74-8	OES	-	0.05	P3
Sodium hydride	7646-69-7	-	-	-	P2
Sodium hydrogen sulphite	7631-90-5	OES	-	5	P2
Sodium hydroxide	1310-73-2	OES(stel)	-	2	P2
Sodium hypochlorite	7681-52-9	-	-	-	(B1)P2
Sodium metabisulphite	7681-57-4	OES	-	5	P2
Sodium persulphate	7775-27-1	OES (as S <sub>2</sub> O <sub>8</sub> )	-	1 (S <sub>2</sub> O <sub>8</sub> )	P2
Softwood dust	-	MEL	-	5	P2
Stannic chloride	7646-78-8	OES (as Sn)	-	0.1 (Sn)	B1
Stibine	7803-52-3	OES	0.1	0.52	B1
Starch	9005-25-8	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Stoddard solvent	8052-41-3	-	-	-	A1
Strontium chromate	7789-06-2	MEL (as Cr(VI))	-	0.05 (Cr)	P3
Strychnine	57-24-9	OES	-	0.15	P3
Styphnic acid	82-71-3	-	-	-	P2
Styrene	100-42-5	MEL	100	430	A1
Subtilisins	-	OES	-	0.00006	P3
Succinic anhydride	108-30-5	-	-	-	P2
Sucrose	57-50-1	OES	-	10	P2
Sulfotep (ISO)	3689-24-5	OES	-	10	A1P2SL
Sulphamic acid	5329-14-5	-	-	-	P2
Sulphanilic acid	121-57-3	-	-	-	P2
Sulphur dichloride	10545-99-0	-	-	-	B1
Sulphur dioxide	7446-09-5	OES	2	5.3	E1
Sulphur hexafluoride	2551-62-4	OES	1000	6070	SA
Sulphuric acid	7664-93-9	OES	-	1	E1P2SL
Sulphur monochloride	10025-67-9	OES(stel)	1	5.6	B1P2SL
Sulphur pentafluoride	5714-22-7	OES	0.025	0.26	B1
Sulphur tetrafluoride	7783-60-0	OES	0.1	0.45	B1
Sulphuryl difluoride	2699-79-8	OES	5	21	B1
<b>T</b>					
2,4,5-T (ISO)	93-76-5	OES	-	10	P2
Talc	14807-96-6	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Tantalum	7440-25-7	OES	-	1	P2
TDI	584-84-9	MEL (as -NCO)	-	0.02 (-NCO)	SA
Tellurium	13494-80-9	OES	-	0.1	P3
Tellurium dioxide	7446-07-3	OES (as Te)	-	0.1 (Te)	P3
TEPP (ISO)	107-49-3	OES	0.004	0.05	A1P3SL
Terphenyls	26140-60-3	OES(stel)	0.5	4.8	A1P3
tert-Pentanol	75-85-4	-	-	-	A1
1,1,2,2-Tetrabromoethane	79-27-6	OES	0.5	7.2	A1
Tetrabromomethane	558-13-4	OES	0.1	1.4	A1
Tetracarbonylnickel	13463-39-3	OES (as Ni)	-	0.1 (Ni)	SA
1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9	OES	100	847	A1
1,1,2,2-Tetrachloro-1,2-difluoroethane	76-12-0	OES	100	847	A1
1,1,2,2-Tetrachloroethane	79-34-5	-	-	-	A1
Tetrachloroethylene	127-18-4	OES	50	345	A1
Tetrachloroethane	56-23-5	OES	2	13	A1

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Tetrachloronaphthalene	1335-88-2	OES	-	2	P2
Tetraethylene pentamine	112-57-2	-	-	-	(A1)P2SL
Tetraethyllead	78-00-2	LAS (as Pb)	-	0.10 (Pb)	A1P3SL
Tetraethyl orthosilicate	78-10-4	OES	10	87	A1
Tetraethyl silicate	78-10-4	OES	10	87	A1
Tetrahydrofuran	109-99-9	OES	100	300	A1
3a,4,7,7a-Tetrahydro-4,7-methanoindene	77-73-6	OES	5	27	A1
Tetramethyl orthosilicate	681-84-5	OES	1	6.3	A1
Tetramethyl succinonitrile	3333-56-6	OES	0.5	2.8	A1P2
Tetrasodium pyrophosphate	7722-88-5	OES	-	5	P2
Tetryl	479-45-8	OES	-	1.5	P2
Thallic sulphate	7446-18-6	OES (as Tl)	-	0.1 (Tl)	P3
Thallium	7440-28-0	-	-	-	P3
Thiamine hydrochloride	67-03-8	-	-	-	P3
Thiamine mononitrate	532-43-4	-	-	-	P3
4,4'-Thiobis(6-tert-butyl-m-cresol)	96-69-5	OES	-	10	P2
Thioglycolic acid	68-11-1	OES	1	3.8	A1P2SL
Thionyl chloride	7719-09-7	OES(stel)	1	4.9	B1P2SL
Thiourea	62-56-6	-	-	-	P2
Thiram (ISO)	137-26-8	OES	-	5	P2
Thymol	89-83-8	-	-	-	(A1)P2
Tin dioxide	18282-10-5	OES (as Sn)	-	2 (Sn)	P2
Tin monoxide	21651-19-4	OES (as Sn)	-	2 (Sn)	P2
Titanium dioxide	13463-67-7	OES total dust resp dust	-	10 4	P2
TNT	118-96-7	OES	-	0.5	(A1)P3
<i>o</i> -Tolidine	119-93-7	-	-	-	P3
Toluene	108-88-3	OES	50	191	A1
Toluene-2,4-diisocyanate	584-84-9	MEL (as -NCO)	-	0.02 (-NCO)	SA
<i>p</i> -Toluenesulphonic acid	104-15-4	-	-	-	P2
<i>p</i> -Toluenesulphonyl chloride	98-59-9	OES(stel)	-	5	P2
<i>m</i> -Toluidine	108-44-1	-	-	-	A1P3SL
<i>o</i> -Toluidine	95-53-4	-	-	-	A1P3SL
<i>p</i> -Toluidine	106-49-0	-	-	-	A1P3SL
Tosyl chloride	98-59-9	OES(stel)	-	5	P2
Tribromomethane	75-25-2	OES	0.5	5.3	A1
Tributyl phosphate	126-73-8	OES	-	5	A1P2SL
Tricarbonyl(eta-cyclopentadienyl)manganese	12079-65-1	OES (as Mn)	-	0.1 (Mn)	P3
Tricarbonyl(methyl-cyclopentadienyl)manganese	12108-13-3	OES (as Mn)	-	0.2 (Mn)	SA
Trichloroacetic acid	76-03-9	-	-	-	P2
Trichloroacetone nitrile	545-06-2	-	-	-	A1
1,2,4-Trichlorobenzene	120-82-1	OES	5	38	A1
1,1,1-Trichlorobis(4-chlorophenyl)ethane [DDT]	50-29-3	OES	-	1	P2
2,3,4-Trichlorobut-1-ene	2431-50-7	-	-	-	A1
1,1,1-Trichloroethane	71-55-6	OES	200	1110	A1
1,1,2-Trichloroethane	79-00-5	-	-	-	A1
2,2,2-Trichloroethane-1,1-diol	302-17-0	-	-	-	(A1)P2
Trichloroethylene	79-01-6	MEL	100	50	A1
Trichlorofluoromethane	75-69-4	OES	1000	5710	SA
Trichloroisocyanuric acid	87-90-1	-	-	-	P2
Trichloromethane	67-66-3	OES	2	9.9	AX
Trichloromethylmethane	76-06-2	OES	0.1	0.68	A1
1,2,3-Trichloropropane	96-18-4	OES	50	306	A1

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
Trichlorosilane	10025-78-2	-	-	-	B1P2SL
$\alpha,\alpha,\alpha$ -Trichlorotoluene	98-07-7	-	-	-	AE1P2
Tri- <i>o</i> -cresyl phosphate	78-30-8	OES	-	0.1	(A1)P3SL
Tridymite	-	MEL	-	0.3	P3
Triethylamine	122-44-8	OES	10	42	A1
Triethylenetetramine	112-24-3	-	-	-	A1
Triethyl phosphate	78-40-0	-	-	-	A1P2SL
Trifluoroacetic acid	76-05-1	-	-	-	A1
Trifluorobromomethane	75-63-8	OES	1000	6190	SA
Triglycidyl isocyanurate	2451-62-9	MEL	-	0.1	P3
1,2,3-Trihydroxybenzene	87-66-1	-	-	-	P2
Trilead bis(orthophosphate)	7446-27-7	LAS (as Pb)	-	0.15 (Pb)	P3
Trimanganese tetroxide	1317-35-7	OES	-	1	P2
Trimellitic anhydride	552-30-7	MEL	-	0.04	P3
Trimethylamine	75-50-3	OES	10	25	K1
1,2,4-Trimethylbenzene	95-63-6	OES	25	125	A1
2,4,6-Trimethylbenzene	954-16-5	OES	25	125	A1
3,5,5-Trimethylcyclohex-2-enone	78-59-1	OES(stel)	5	29	A1
Trimethyl phosphite	121-45-9	OES	2	10	B1P2SL
Trinitrobenzene	25377-32-6	-	-	-	(A1)P2
Trinitrocresol	28905-71-7	-	-	-	P2
2,4,6-Trinitrophenol	88-89-1	OES	-	0.1	P3
2,4,6-Trinitroresorcinol	82-71-3	-	-	-	P2
2,4,6-Trinitrotoluene	118-96-7	OES	-	0.5	(A1)P3
1,3,5-Trioxan	110-88-3	-	-	-	(A1)P2
Triphenyl phosphate	115-86-6	OES	-	3	P2SL
Tripoli	1317-95-9	MEL	-	0.3	P3
Tri- <i>o</i> -tolyl phosphate	78-30-8	OES	-	0.1	(A1)P3SL
Trizinc diphosphide	1314-84-7	-	-	-	P2
Tungsten	7440-33-7	OES	-	5	P2
Tungsten trioxide	1314-35-8	OES (as W)	-	5 (W)	P2
Turpentine	8006-64-2	OES	100	566	A1
<b>U</b>					
Uranium	7440-61-1	-	-	-	P3
Uranium trichloride	10025-93-1	OES	-	0.2	P3
<b>V</b>					
Valeric acid	109-52-4	-	-	-	A1
<b>VANADIUM PENTOXIDE</b>					
Vanadium pentoxide	1314-62-1	OES	-	-	P3
		total dust	-	0.5	
		fume	-	0.05	
		resp dust	-	0.05	
Vinyl acetate	108-05-4	OES	10	36	A1
Vinyl benzene	100-42-5	MEL	100	430	A1
Vinyl chloride	75-01-4	MEL	7	-	AX
Vinylidene chloride	75-35-4	MEL	10	40	AX
2-Vinyltoluene	611-15-4	OES	100	412	A1
<b>W</b>					
Wartarin (ISO)	81-81-2	OES	-	0.1	P3
Welding fume	-	OES	-	5	P2
White spirit	64741-92-0	-	-	-	A1
Wood dust (hard wood)	-	MEL	-	5	P2
Wood dust (soft wood)	-	MEL	-	5	P2
Wool process dust	-	MEL	-	10	P2

شرکت ایمن تهران  
تلفن: ۸۸۹۶۹۸۱۶

CHEMICAL NAME	CAS NUMBER	EXPLIMIT	PPM	MG/M3	SUGGESTED RPE
<b>X</b>					
Xylene	1330-20-7	OES	100	441	A1
Xylenol	1300-71-6	-	-	-	(A1)P2
Xylidine	1300-73-8	OES	2	10	A1P2SL
<b>Y</b>					
Yttrium	7440-65-5	OES	-	1	P2
<b>Z</b>					
Zinc	7440-66-6	-	-	-	P2
Zinc chloride, fume	7646-85-7	OES	-	1	P2
Zinc distearate	557-05-1	OES	-	-	P2
		total dust	-	10	
		resp dust	-	4	
Zinc oxide, fume	1314-13-2	OES	-	5	P2
Zinc phosphide	1314-84-7	-	-	-	P2
Zinc sulphate	7733-02-0	-	-	-	P2
Zirconium	7440-67-7	-	-	-	P2
Zirconium chloride	10026-11-6	OES	-	5	P2
		(as Zr)	-	(Zr)	
Zirconium hydroxide	14475-63-9	OES	-	5	P2
		(as Zr)	-	(Zr)	
Zirconium oxide	1314-23-4	OES	-	5	P2
		(as Zr)	-	(Zr)	
Zirconium silicate	10101-52-7	OES	-	5	P2
		(as Zr)	-	(Zr)	
Zirconium sulphate	14644-61-2	OES	-	5	P2
		(as Zr)	-	(Zr)	

در صورت نیاز به اطلاعات بیشتر در خصوص مطالب جدول فوق می توانید  
با کارشناسان فنی این شرکت در ساعات اداری مشاوره فرمائید.

شرکت ایمن تهران

آدرس: تهران-بلوار کشاورز، روبروی بیمارستان پارس، پلاک ۱۵۸، طبقه ۴

تلفن: ۱۷ و ۸۸۹۷۲۰۱۶ و ۸۸۹۶۲۹۱۹ و ۸۸۹۶۹۸۱۶

نمابر: ۸۸۹۶۶۲۷۹

وب سایت: [www.imantehran.com](http://www.imantehran.com)