

2006 OCCUPATIONAL EXPOSURE LIMITS FOR AIRBORNE POLLUTANTS
Tabulation shows inhalable particulates unless indicated to be respirable
 [Table substituted by GN R989 of 5 October 2006.]

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
Acetaldehyde	1	CH ₃ CHO	75-07-0	25	45	50	90	[06]	
Acetic acid	2	CH ₃ COOH	64-19-7	10	25	15	37		
Acetic anhydride	3	(CH ₃ CO) ₂ O	108-24-7	—	—	5	20		
Acetone	4	(CH ₃) ₂ CO	67-64-1	500	1185	1000	2375	[06]	
Acetonitrile	5	CH ₃ CN	75-05-8	40	70	60	105		
Acetylsalicylic acid [Asprin]	6	CH ₃ COOC ₆ H ₄ COOH	50-78-2	—	5	—	—		
Acrolein	7	CH ₂ =CHCHO	107-02-8	0,1	0,25	0,3	0,8		
Acrylaldehyde	7	CH ₂ =CHCHO	107-02-8	see Acrolein					
*Acrylamide	8	CH ₂ =CHCONH ₂	79-06-1	—	0,3	—	—	Sk	
Acrylic acid	9	CH ₂ =CHCOOH	79-10-7	2	6	15	45	[06]	
*Acrylonitrile	10	CH ₂ =CHCN	107-13-1	2	4	—	—	Sk	
Aldrin	11	C ₁₂ H ₈ Cl ₆	309-00-2	—	0,25	—	0,75	Sk	
Allyl alcohol	12	CH ₂ =CHCH ₂ OH	107-18-6	2	5	4	10	Sk	
Allyl chloride	13	CH ₂ =CHCH ₂ Cl	107-05-1	1	3	2	6		
Allyl-2,3- epoxypropyl ether	14	C ₆ H ₁₀ O ₂	106-92-3	see Allyl glycidyl ether					
Allyl glycidyl ether (AGE)	14	C ₆ H ₁₀ O ₂	106-92-3	5	22	10	44		
Aluminium alkyl compounds	15	—	—	—	2	—	—		
Aluminium metal									
inhalable particulate	16	Al	7429-90	—	10	—	—		
respirable particulate	17			—	5	—	—		
Aluminium oxides									
inhalable particulate	18	Al ₂ O ₃ Al(OH) ₃ and AlOOH	1344-28-1	—	10	—	—	[c]	
respirable particulate	19			—	5	—	—		
Aluminium pyro powders	19A	—	7429-90-5	—	5	—	—	[06*]	
Aluminium salts, soluble	20	—	—	—	2	—	—		
Aluminium welding fumes	20A	—	7429-90-5	—	5-	—	—	[06*]	
Aminodimethylbenzene	21	(CH ₃) ₂ C ₆ H ₃ NH ₂	1300-73-8	see Xylidine					
2-Aminoethanol	22	NH ₂ CH ₂ CH ₂ OH	141-43-5	See Ethanolamine					
2-Aminopyridine	23	NH ₂ C ₅ H ₄ N	504-29-0	0,5	2	2	8		
Ammonia	24	NH ₃	7664-41-7	25	17	35	24		
Ammonium chloride, fume	25	NH ₄ Cl	12125-02-9	—	10	—	20		
Ammonium sulphamate	26	NH ₂ SO ₃ NH ₄	7773-06-0	—	10	—	20		
<i>n</i> -Amyl acetate	27	CH ₃ COO (CH ₂) ₄ CH ₃	628-63-7	100	530	150	800		
sec-Amyl acetate	28	CH ₃ COOCH(CH ₃)C ₃ H ₇	626-38-0	125	666	—	—	[06*]	
Aniline	29	C ₆ H ₅ NH ₂	62-53-3	2	10	5	20	Sk	
Anisidines, <i>o</i> - and <i>p</i> -isomers	30	NH ₂ C ₆ H ₄ OCH ₃	90-04-0 104-94-9	0,1	0,5	—	—	Sk	
Antimony & compounds [as Sb] except antimony trisulphide and antimony trioxide	31	Sb	7440-36-0	—	0,5	—	—		
*Arsenic & compounds, except arsine [as As]	32	As	7440-38-2	—	0,01	—	—	[06]	
Arsine	33	AsH ₃	7784-42-1	0,05	0,2	—	—		
*Asbestos, all forms	34	—	1332-21-4	—	0,2f/ml	—	—	[06]	
Asphalt, petroleum fumes	35	—	8052-42-4	—	5	—	10		
Atrazine	36	C ₈ H ₁₄ ClN ₅	1912-24-9	—	5	—	—	[06]	
Azinphos-methyl	37	C ₁₀ H ₁₂ O ₃ PS ₂ N ₃	86-50-0	—	0,2	—	0,6	Sk	
Aziridine	38	CH ₂ NHCH ₂	151-56-4	see Ethyleneimine					

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[c] The OEL for Aluminium does not include exposure to aluminium coated with mineral oil, or to fume arising from aluminium welding processes.

[06*] New addition in 2006.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
<i>gamma</i> -BHC	39	C ₆ H ₆ Cl ₆	58-89-9	see Lindane				
Barium compounds, soluble [as Ba]	40	—	7440-39-3	—	0,5	—	—	
Barium sulphate, respirable particulate	41	BaSO ₄	7727-43-7	—	2	—	—	
Benomyl	42	C ₁₄ H ₁₈ N ₄ O ₃	17804-35-2	—	10	—	15	
*Benzene	43	C ₆ H ₆	71-43-2	1	3	—	—	[06]
Benzenethiol	44	C ₆ H ₅ SH	108-98-5	0,5	2	—	—	
Benzene-1,2,4,- tricarboxylic acid 1,2 anhydride	45	C ₉ H ₄ O ₅	552-30-7	see Trimellitic anhydride				
<i>p</i> -Benzoquinone	46	C ₆ H ₄ O ₂	106-51-4	see Quinone				
Benzoyl peroxide	47	(C ₆ H ₅ CO) ₂ O ₂	94-36-0	—	5	—	—	
Benzyl butyl phthalate	40	C ₁₉ H ₂₀ O ₄	85-68-7	See Butyl benzyl phthalate				
Benzyl chloride	49	C ₆ H ₅ CH ₂ Cl	100-44-7	1	5	—	—	
*Beryllium and beryllium compounds [as Be]	50	Be	7440-41-7 (metal)	—	0.002	—	—	
Biphenyl	51	(C ₆ H ₅) ₂	92-52-4	0,2	1,5	0,6	4	
*Bis(chloromethyl) ether [BCME]	52	ClCH ₂ OCH ₂ Cl	542-88-1	0.001	0.005	—	—	
Bis(2,3- epoxypropyl) ether	53	(OCH ₂ CHCH ₂) ₂ O	2238-07-5	see Diglycidyl ether				
Bis(2- ethylhexyl) phthalate	54	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	117-81-7	see Di-(2-ethylhexyl) phthalate				
2,2-Bis(<i>p</i> - Methoxyphenyl)-1,1,1- trichloroethane (DMDT)	55	(C ₆ H ₄ OCH ₃) ₂ CHCCl ₃	72-43-5	see Methoxychlor				
Bismuth telluride [as Bi ₂ Te ₃]								
Undoped	56	Bi ₂ Te ₃	1304-82-1	—	10	—	20	
Selenium-doped	57			—	5	—	10	
Borates, — tetra, sodium salts								
Anhydrous	58	Na ₂ B ₄ O ₇	1330-43-4	—	1	—	—	
Decahydrate	59	Na ₂ B ₄ O ₇ ·10H ₂ O	1303-96-4	—	5	—	—	
Pentahydrate	60	Na ₂ B ₄ O ₇ ·5H ₂ O	12179-04-3	—	1	—	—	
Bornan-2-one	61	C ₁₀ H ₁₆ O	76-22-2	see Camphor, synthetic				
Boron oxide	62	B ₂ O ₃	1303-86-2	—	10	—	20	
Boron tribromide	63	BBr ₃	10294-33-4	—	—	C1	C10	[06]
Boron trifluoride	64	BF ₃	7637-07-2	—	—	C1	C3	[06]
Bromacil	65	C ₉ H ₁₃ BrN ₂ O ₂	314-40-9	1	10	2	20	
Bromine	66	Br ₂	7726-95-6	0,1	0,7	0,3	2	
Bromine pentafluoride	67	BrF ₅	7789-30-2	0,1	0,7	0,3	2	
Bromochloromethane	68	CH ₂ BrCl	74-97-5	see Chlorobromomethane				
Bromoethane	69	CH ₃ CH ₂ Br	74-96-4	see Ethyl bromide				
Bromoethylene	70	CH ₂ =CHBr	593-60-2	see Vinyl bromide				
Bromoform	71	CHBr ₃	75-25-2	0,5	5	—	—	Sk
Bromomethane	72	CH ₃ Br	74-83-9	see Methyl bromide				
Bromotrifluoromethane	73	CF ₃ Br	75-63-8	see Trifluorobromomethane				
*Buta-1,3- diene	74	CH ₂ =CHCH=CH ₂	106-99-0	2	4	—	—	[06]
<i>n</i> -Butane	75	CH ₃ CH ₂ CH ₂ CH ₃	106-97-8	600	1430	750	1780	
Butan-1-ol	76	CH ₃ CH ₂ CH ₂ CH ₂ OH	71-36-3	see <i>n</i> -Butyl alcohol				
Butan-2-ol	77	CH ₃ CH(OH)CH ₂ CH ₃	78-92-2	see <i>sec</i> -Butyl alcohol				
Butan-2-one	78	CH ₃ COCH ₂ CH ₃	78-93-3	see Methyl ethyl ketone				
<i>trans</i> -But-2- enal	79	CH ₃ CH=CHCHO	4170-30-3	see Crotonaldehyde				
*2- Butoxyethanol [EGBE]	80	C ₄ H ₉ OCH ₂ CH ₂ OH	111-76-2	25	120	—	—	Sk
<i>n</i> -Butyl acetate	81	CH ₃ COO(CH ₂) ₃ CH ₃	123-86-4	150	710	200	950	
<i>sec</i> -Butyl acetate	82	CH ₃ COOCH(CH ₃)CH ₂ CH ₃	105-46-4	200	950	250	1190	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
tert-Butyl acetate	83	CH ₃ COOC(CH ₃) ₃	540-88-5	200	950	250	1190		
Butyl acrylate	84	CH ₂ =CHCOOC ₄ H ₉	141-32-2	2	11	—	—	[06]	
n-Butyl alcohol	76	CH ₃ CH ₂ CH ₂ CH ₂ OH	71-36-3	—	—	50	150	Sk	
sec-Butyl alcohol	77	CH ₃ CH(OH)CH ₂ CH ₃	78-92-2	100	300	150	450		
tert-Butyl alcohol	85	(CH ₃) ₃ COH	75-65-0	100	300	150	450		
n-Butylamine	86	CH ₃ CH ₂ CH ₂ CH ₂ NH ₂	109-73-9	—	—	C5	C15	Sk [06]	
Butyl benzyl phthalate	48	C ₁₉ H ₂₀ O ₄	85-68-7	—	5	—	—		
n-Butyl chloroformate	88	ClCO ₂ C ₄ H ₁₀	592-34-7	1	5,6	—	—		
n-Butyl glycidyl ether [BGE]	89	C ₄ H ₉ OCH ₂ CHCH ₂ O	2426-08-6	25	135	—	—		
n-Butyl lactate	90	CH ₃ CH(OH)COOC ₄ H ₉	138-22-7	5	25	—	—		
2-sec- Butylphenol	91	C ₂ H ₅ (CH ₃)CHC ₆ H ₄ OH	89-72-5	5	30	—	—	Sk	
*Cadmium & cadmium compounds, except cadmium oxide fume, cadmium sulphide and cadmium sulphide pigments [as Cd]	92	Cd	7440-43-9 (metal)	—	0,01	—	—	[06]	
*Cadmium oxide fume [as Cd]	93	CdO	1306-19-0	—	0,01	—	0,050	[06]	
*Cadmium sulphide and cadmium sulphide pigments respirable particulate [as Cd]	94	CdS	1306-23-6	—	0,04	—	—		
Caesium hydroxide	95	CsOH	21351-79-1	—	2	—	—		
Calcium carbonate inhalable particulate	96	CaCO ₃	1317-65-3	—	10	—	—		
respirable particulate	97			—	5	—	—		
Calcium cyanamide	98	CaNC=N	156-62-7	—	0,5	—	1		
Calcium cyanide	335	Ca(CN) ₂	592-01-8	see Hydrogen and cyanide cyanide salts					
Calcium hydroxide	99	Ca(OH) ₂	1305-62-0	—	5	—	—		
Calcium oxide	100	CaO	1305-78-	—	2	—	—		
Calcium silicate inhalable particulate	101	CaSiO ₃	1344-95-2	—	10	—	—		
respirable particulate	102			—	5	—	—		
Camphor, synthetic	61	C ₁₀ H ₁₆ O	76-22-2	2	12	3	18		
Caprolactam particulate inhalable vapour	104	NH(CH ₂) ₅ CO	105-60-2	—	1	—	3		
	105			5	20	10	40		
Captafol	106	C ₁₀ H ₉ Cl ₄ NO ₂ S	242 5-06-1	—	0,1	—	—	Sk	
Captan	107	C ₉ H ₈ Cl ₃ NO ₂ S	133-06-2	—	5	—	15		
Carbaryl	108	CH ₃ NHCOOC ₁₀ H ₇	63-25-2	—	5	—	10		
Carbofuran	109	C ₁₂ H ₁₅ NO ₃	1563-66-2	—	0,1	—	—		
Carbon black	110	C	1333-86-4	—	3,5	—	7		
Carbon dioxide	111	CO ₂	124-38-9	5000	9000	C 30000	C 54000		
*Carbon disulphide	112	CS ₂	75-15-0	10	30	—	—	Sk	
Carbon monoxide	113	CO	630-08-0	30	35	C100	C115	[06]	
Carbon tetrabromide	114	CB ₄	558-13-4	0,1	1,4	0,3	4		
Carbon tetrachloride	115	CCl ₄	56-23-5	2	12,6	—	—	Sk	
Carbonyl chloride	116	COCl ₂	75-44-5	see Phosgene					
Catechol	117	C ₆ H ₄ (OH) ₂	120-80-9	5	20	—	—		
Cellulose inhalable particulate	118	(C ₆ H ₁₀ O ₅) _n	9004-34-6	—	10	—	20		
respirable particulate	119			—	5	—	—		

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
Cement inhalable particulate respirable particulate	120	—	—	—	10	—	—		
	121	—	—	—	5	—	—		
Chlordane	122	C ₁₀ H ₆ Cl ₈	57-74-9	—	0,5	—	2	Sk	
Chlorine	123	Cl ₂	7782-50-5	0,5	1,5	1	3		
Chlorodiphenyl (PCBs)									
Chlorodiphenyl (42% chlorine)	124	C ₆ H ₄ ClC ₆ H ₃ Cl ₂ (Approx)	53469-21-9	—	1	—	2	Sk	
Chlorodiphenyl (54% chlorine)	125	C ₆ H ₃ Cl ₂ C ₆ H ₂ Cl ₃ (Approx)	11097-69-1	—	0,5	—	1	Sk	
Chlorine dioxide	126	ClO ₂	10049-04-4	0,1	0,3	0,3	0,9		
Chlorine trifluoride	127	ClF ₃	7790-91-2	—	—	C0,1	C0,4	[06]	
Chloroacetaldehyde	128	ClCH ₂ CHO	107-20-0	—	—	C1	C3	[06]	
2- Chloroacetophenone	129	C ₆ H ₅ COCH ₂ Cl	532-27-4	0,05	0,3	—	—		
Chloroacetyl chloride	130	ClCH ₂ COCl	79-04-9	0,05	0,2	—	—		
Chlorobenzene	131	C ₆ H ₅ Cl	108-90-7	10	46	—	—	[06]	
Chlorobromomethane	68	CH ₂ BrCl	74-97-5	200	1050	250	1300		
2-Chlorobuta- 1,3-diene	133	CH ₂ =CCICH=CH ₂	126-99-8	see beta-Chloroprene					
Chlorodifluoromethane	134	CHClF ₂	75-45-6	1000	3500	—	—		
*1- Chloro-2,3- epoxy propane	135	C ₃ H ₅ OCl	106-89-8	see *Epichlorohydrin					
Chloroethane	136	CH ₃ CH ₂ Cl	75-00-3	see Ethyl chloride					
2-Chloroethanol	137	CH ₂ ClCH ₂ OH	107-07-3	see Ethylene chlorohydrin					
*Chloroethylene VCM)	138	H ₂ C=CHCl	75-01-4	see *Vinyl chloride					
Chloroform	139	CHCl ₃	67-66-3	2	9,8	—	—	Sk	
Chloromethane	140	CH ₃ Cl	74-87-3	see Methyl chloride					
1-Chloro-4-nitrobenzene	141	ClC ₆ H ₄ NO ₂	100-00-5	—	0,1	—	2	Sk [06]	
Chloropentafluoroethane	142	CCF ₂ CF ₃	76-15-3	1000	6320	—	—		
Chloropicrin	143	CCl ₃ NO ₂	76-06-2	0,1	0,7	0,3	2		
beta-Chloroprene	133	CH ₂ =CCICH=CH ₂	126-99-8	10	36	—	—	Sk	
3-Chloropropylene	13	CH ₂ =CHCH ₂ Cl	107-05-1	see Allyl chloride					
Chlorosulphonic acid	144	HSO ₃ Cl	7790-94-5	—	1	—	—		
alpha-Chlorololuene	49	C ₆ H ₅ CH ₂ Cl	100-44-7	see Benzyl chloride					
2-Chlorotoluene	145	ClC ₅ H ₄ CH ₃	95-49-8	50	250	—	—		
2-Chloro-6- (trichloromethyl) pyridine	146	ClC ₅ H ₃ NCCl ₃	1929-82-4	see Nitrapyrin					
Chlorpyrifos	147	C ₉ H ₁₁ Cl ₃ NO ₃ PS	2921-88- 2	—	0,2	—	0,6	Sk	
Chromium, metal and inorganic compounds [as Cr]			7440-47-3 (metal)						
Cr [II] compounds	148	Cr	—	—	0,5	—	—		
Metal and Cr [III] compounds	149	Cr	—	—	0,5	—	—		
Cr [VI] compounds	150	Cr	—	—	0,05	—	—		
Coal dust [respirable particulate]	151	—	—	—	2	—	—	[g] [06]	
Coal tar pitch volatiles [as cyclohexane soluble]	152	—	65996-93-2	—	0,14	—	—		
*Cobalt & cobalt compounds [as Co]	153	Co	7440-48-4	—	0,05	—	—	[06]	
Copper									
Fume	154	Cu	1317-38-0	—	0,2	—	—		
Dusts & mists (as Cu)	155	7440-50-8	—	1	—	2	—		

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[II] 50% particles of 4 um aerodynamic diameter.

[III] 3% particles of 5 um aerodynamic diameter.

[VI] No footnote provided.

[g] Ensure that due regard is given to crystalline sillica content of the dust.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Cotton dust	156	—	—	—	0,2	—	—	[d] [06]
Cresols, all isomers	151A	CH ₃ C ₆ H ₄ OH	1319-77-3	5	22	—	—	Sk
Cristobalite	521	—	14464-46-1	see Silica, crystalline				
Crotonaldehyde	79	CH ₃ CH=CHCHO	4170-30-3	2	6	18	6	
Cryofluorane [INN]	156	CCIF ₂ COF ₂	76-14-2	see 1,2-Dichlorotetrafluoroethane				
Cumene	159	C ₆ H ₅ CH(CH ₃) ₂	98-82-8	25	120	75	370	Sk
Cyanamide	160	NH ₂ CN	420-04-2	—	2	—	—	
Cyanides, except hydrogen cyanide, cyanogen & cyanogen chloride	335-337	—	57-12-5	see Hydrogen cyanide and cyanide salts				
Cyanogen	161	(CN) ₂	460-19-5	10	20	—	—	
Cyanogen chloride	162	ClCN	506-77-4	—	—	C0,3	C0,6	[06]
Cyclohexane	163	C ₆ H ₁₂	110-82-7	100	340	300	1030	
Cyclohexanol	164	C ₆ H ₁₁ OH	108-93-0	50	200	—	—	
Cyclohexanone	165	C ₆ H ₁₀ O	108-94-1	25	100	50	200	[06]
Cyclohexene	166	C ₆ H ₁₀	110-83-8	300	1015	—	—	
Cyclohexylamine	167	C ₆ H ₁₁ NH ₂	108-91-8	10	40	—	—	
Cyclonite (RDX)	168	C ₃ H ₆ N ₆ O ₆	121-82-4	—	1,5	—	3	Sk
Cyhexatin	169	(C ₆ H ₁₁) ₃ SnOH	13121-70-5	—	5	—	10	
2,4-D	170	C ₆ H ₃ Cl ₂ OCH ₂ COOH	94-75-7	—	10	—	20	
DDT	171	(C ₆ H ₄ Cl) ₂ CHCCl ₃	50-29-3	—	1	—	3	
DDVP	172	(CH ₃ O) ₂ POOCH= CCl ₂	62-73-7	see Dichlorvos				
2,4-DES	173	C ₆ H ₇ Cl ₂ NaO ₅ S	136-78-7	see Sodium 2,4- dichlorophenoxyethyl sulphate				
DMDT	55	(C ₆ H ₄ OCH ₃) ₂ CHCCl ₃	72-43-5	see Methoxychlor				
Derris, commercial	175	C ₂₃ H ₂₂ O ₆	83-79-4	see Rotenone				
Diacetone alcohol	176	CH ₃ COCH ₂ C(CH ₃) ₂ OH	123-42-2	50	240	75	360	
Dialkyl 79 phthalate	177	C ₆ H ₄ (COOC ₇₋₉ H ₁₅₋₉) ₂	—	—	5	—	—	
Diallyl phthalate	178	C ₆ H ₄ (COOCH ₂ CHCH ₂) ₂	131-17-9	—	5	—	—	
2,2'- Diaminodiethylamine	179	(NH ₂ CH ₂ CH ₂) ₂ NH	111-40-0	see Diethylene triamine				
*4,4'- Diaminodiphenylmethane [DADPM, DDM]	180	CH ₂ (C ₆ H ₄ NH ₂) ₂	101-77-9	see *4,4'-Methylenedianiline				
1,2- Diaminoethane	181	NH ₂ CH ₂ CH ₂ NH ₂	107-15-3	see Ethylene diamine				
Diammonium peroxodisulphate [as S ₂ O ₈]	182	(NH ₄) ₂ S ₂ O ₈	7727-54-0	—	1	—	—	
Diatomaceous earth, natural [respirable particulate]	183	SiO ₂	68855-54- 9	—	1.5	—	—	
Diazinon	184	C ₁₂ H ₂₁ N ₂ O ₃ PS	333-41-5	—	0,1	—	0,3	Sk
Diazomethane	185	CH ₂ N ₂	334-88-3	0,2	0,4	—	—	
Dibenzoyl peroxide	47	(C ₆ H ₅ CO) ₂ O ₂	94-36-0	see Benzoyl peroxide				
Dibismuth tritelluride	56-57	Bi ₂ Te ₃	1304-82-1	see Bismuth telluride				
Diborane	186	B ₂ H ₆	19287-45- 7	0,1	0,1	—	—	
Diboron trioxide	62	B ₂ O ₃	1303-86-2	see Boron oxide				
Dibrom	187	C ₄ H ₇ Br ₂ Cl ₂ O ₄ P	300-76-5	see Naled				
1,2-Dibromo-2,2- dichloroethyl dimethyl phosphate	187	C ₄ H ₇ Br ₂ Cl ₂ O ₄ P	300-76-5	see Naled				
Dibromodifluoromethane	188	CBF ₂	75-61-6	100	860	150	1290	
*1,2- Dibromoethane	189	BrCH ₂ CH ₂ Br	106-93-4	see *Ethylene dibromide				
Dibutyl hydrogen phosphate	190	(C ₄ H ₉ O) ₂ (OH)PO	107-66-4	see Dibutyl phosphate				
Dibutyl phosphate	190	(C ₄ H ₉ O) ₂ (OH)PO	107-66-4	1	5	2	10	
Dibutyl phthalate	191	C ₆ H ₄ (CO ₂ C ₄ H ₉) ₂	84-74-2	—	5	—	10	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[d] The 8 hour OEL for cotton dust is based on static air sampling rather than personal sampling.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Dichloroacetylene	192	ClC=CCl	7572-29-4	—	—	C0.1	C0,4	[06]
1,2- Dichlorobenzene	193	C ₆ H ₄ Cl ₂	95-50-1	20	120	50	300	[06]
1,4- Dichlorobenzene	194	C ₆ H ₄ Cl ₂	106-46-7	25	150	50	300	
Dichlorodifluoromethane	195	CCl ₂ F ₂	75-71-8	1000	4950	1250	6200	
1,3-Dichloro-5,5-dimethyl 2 hydantoin	196	C ₅ H ₆ Cl ₂ N ₂ O ₂	118-52-5	—	0,2	—	0,4	
Dichlorodiphenyltrichloroethane	171	(C ₆ H ₄ Cl) ₂ CLHCCl ₃	50-29-3	see DDT				
1,1-Dichloroethane	197	CH ₃ CHCl ₂	75-34-3	100	405	200	810	[06]
*1,2-Dichloroethane	198	ClCH ₂ CH ₂ Cl	107-06-2	see *Ethylene dichloride				
*1,1-Dichloroethylene	199	CH ₂ =CCl ₂	75-35-4	see *Vinylidene chloride				
1,2 Dichloroethylene cis & trans isomers	200	ClCH=CHCl	540-59-0	200	790	250	1000	
Dichlorofluoromethane	201	CHCl ₂ F	75-43-4	10	40	—	—	
*Dichloromethane	202	CH ₂ Cl ₂	75-09-2	see *Methylene chloride				
*2,2'-Dichloro- 4,4'-methylene dianiline	203	CH ₂ (C ₂ H ₃ CINH ₂) ₂	101-14-4	see *4,4'-Methylenebis(2- chloroaniline)				
2,4- Dichlorophenoxyacetic acid	170	C ₆ H ₃ Cl ₂ OCH ₂ COOH	94-75-7	see 2,4-D				
1,3- Dichloropropene cis & trans isomers	204	ClHC=CHCH ₂ Cl	542-75-6	1	5	10	50	Sk
1,2- Dichlorotetrafluoroethane	158	CClF ₂ CClF ₂	76-14-2	1000	7000	1250	8750	
Dichlorvos	172	(CH ₃ O) ₂ POOCH=CCl ₂	62-73-7	0,1	1	0,3	3	Sk
Dtcyclohexyl phthalate	206	C ₆ H ₄ (COOC ₆ H ₁₁) ₂	84-61-7	—	5	—	—	
Dicyclopentadiene	207	C ₁₀ H ₁₂	77-73-6	5	30	—	—	
Dicyclopentadienyl iron	208	(C ₅ H ₅) ₂ Fe	102-54-5	—	10	—	20	
Dieldrin	209	C ₁₂ H ₈ Cl ₆ O	60-57-1	—	0,25	—	0,75	Sk
Diethanolamine	210	(CH ₂ CH ₂ OH) ₂ NH	111-42-2	3	15	—	—	
Diethylamine	211	(C ₂ H ₅) ₂ NH	109-89-7	10	30	25	75	
2-Diethylaminoethanol	212	(C ₂ H ₅) ₂ NCH ₂ CH ₂ OH	100-37-8	10	50	—	—	Sk
Diethylene glycol	213	(CH ₂ CH ₂ OH) ₂ O	111-46-6	23	100	—	—	
Diethylene triamine	179	(NH ₂ CH ₂ CH ₂) ₂ NH	111-40-0	1	4	—	—	Sk
Diethyl ether	214	C ₂ H ₅ OC ₂ H ₅	60-29-7	see Ethyl ether				
Di-(2- ethylhexyl) phthalate [DEHP]	54	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	117-81-7	—	5	—	10	
Diethyl ketone	216	CH ₃ CH ₂ COCH ₂ CH ₃	96-22-0	200	700	250	675	
Diethyl phthalate	217	C ₆ H ₄ (COOC ₂ H ₅) ₂	84-66-2	—	5	—	10	
Difluorochloromethane	134	CHClF ₂	75-45-6	see Chlorodifluoromethane				
Diglycidyl ether [DGE]	53	(OCH ₂ CHCH ₂) ₂ O	2238-07-5	0,1	0,6	—	—	
<i>o</i> - Dihydroxybenzene	117	C ₆ H ₄ (OH) ₂	120-80-9	see Catechol				
<i>m</i> - Dihydroxybenzene	219	C ₆ H ₄ (OH) ₂	108-46-3	see Resorcinol				
<i>p</i> - Dihydroxybenzene	220	C ₆ H ₄ (OH) ₂	123-31-9	see Hydroquinone				
1,2 Drhydroxyethane	283- 284	HOCH ₂ CH ₂ OH	107-21-1	see Ethylene glycol				
Dusobutyl ketone	221	(CH ₃) ₂ C HCH ₂) ₂ CO	108-83-8	25	150	—	—	
Diisobutyl phthalate	222	C ₆ H ₄ [COOCH ₂ CH(CH ₃) ₂] ₂	84-69-5	—	5	—	—	
Diisodecyl phthalate	223	(C ₁₀ H ₂₁ CO ₂) ₂ C ₆ H ₄	26761-40-0	—	5	—	—	
Diisononyl phthalate	224	C ₆ H ₄ (COOC ₈ H ₁₉) ₂	28553-12-0	—	5	—	—	
Diisooctyl phthalate	225	C ₆ H ₄ (CO ₂ C ₈ H ₁₇) ₂	27554-26-3	—	5	—	—	
Diisopropylamine	226	(CH ₃) ₂ CHNHCH(CH ₃) ₂	108-18-9	5	20	—	—	
Diisopropyl ether	227	(CH ₃) ₂ CHOCH(CH ₃) ₂	108-20-3	see Isopropyl ether				
Di-linear 79 phthalate	177	C ₆ H ₄ (COOC ₇₋₉ H ₁₅₋₁₉) ₂	—	see Dialkyl 79 phthalate				
Dimethoxymethane	228	CH ₂ (OCH ₃) ₂	109-87-5	see Methylal				
N,N- Dimethylacetamide	229	CH ₃ CON(CH ₃) ₂	127-19-5	10	36	20	71	Sk
Dimethylamine	230	(CH ₃) ₂ NH	124-40-3	10	18	—	—	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
N,N- Dimethylaniline	231	C ₆ H ₅ N(CH ₃) ₂	121-69-7	5	25	10	50	Sk
1,3- Dimethylbutyl acetate	232	C ₈ H ₁₆ O ₂	108-84-9	see sec-Hexyl acetate				
Dimethyl ether	233	CH ₃ OCH ₃	115-10-6	400	750	500	940	
N,N- Dimethylethyamine [DMEA]	234	C ₂ H ₅ (CH ₃) ₂ N	598-56-1	10	30	15	45	
Dimethylformamide	235	HCON(CH ₃) ₂	68-12-2	10	30	20	60	Sk
2,6- Dimethylheptan-4-one	221	[(CH ₃) ₂ CHCH ₂] ₂ CO	108-83-8	see Diisobutyl ketone				
Dimethyl phthalate	236	C ₆ H ₄ (COOCH ₃) ₂	131-11-3	—	5	—	10	
Dimethyl sulphate	237	(CH ₃) ₂ SO ₄	77-78-1	0,1	0,5	0,1	0,5	Sk
Dinitrobenzene, all isomers	238	C ₆ H ₄ (NO ₂) ₂	25154-54-5	0,15	1	0,5	3	Sk
Dinitro-o-cresol	239	CH ₃ C ₆ H ₂ (OH)(NO ₂) ₂	534-52-1	—	0,2	—	0,6	Sk
Dinitrotoluene	240	CH ₃ C ₆ H ₃ (NO ₂) ₂	25321-14-6	—	0,2	—	5	Sk [06]
Dinonyl phthalate	241	C ₆ H ₄ (COOC ₉ H ₁₉) ₂	84-76-4	—	5	—	—	
Di-sec-octyl phthalate	54	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	117-81-7	see Di-(2-ethylhexyl) phthalate				
1,4-Dioxane, tech grade	242	OCH ₂ CH ₂ OCH ₂ CH ₂	123-91-1	25	90	50	180	Sk [06]
Dioxathion	243	C ₁₂ H ₂₆ O ₆ P ₂ S ₂	78-34-2	—	0,2	—	—	Sk
Diphenyl	51	(C ₆ H ₅) ₂	92-52-4	see Biphenyl				
Diphenylamine	244	(C ₆ H ₅) ₂ NH	122-39-4	—	10	—	20	
Diphenyl ether [vapour]	245	C ₆ H ₅ OC ₆ H ₅	101-84-8	see Phenyl ether, vapour				
Diphosphorus pentasulphide	246	P ₂ S ₅ /P ₄ S ₁₀	1314-80-3	see Phosphorus pentasulphide				
Diphosphorus pentoxide	247	P ₂ O ₅ /P ₄ O ₁₀	1314-56-3	—	1	—	2	[06]
Dipotassium peroxodisulphate [as S ₂ O ₈]	248	K ₂ S ₂ O ₈	7727-21-1	—	1	—	—	
Diquat dibromide	249	C ₁₂ H ₁₂ Br ₂ N ₂	85-00-7	—	0,5	—	1	
Disodium disulphide	250	Na ₂ S ₂ O ₅	7681-57-4	see Sodium metabisulphate				
Disodium peroxodisulphate [as Na ₂ S ₂ O ₈]	251	Na ₂ S ₂ O ₈	7775-27-1	—	1	—	—	
Disodium tetraborate	58	Na ₂ B ₄ O ₇	1330-43-4	see Borates, tetra, sodium salts				
Disulfoton	252	(C ₂ H ₅ O) ₂ PS CH ₂ CH ₂ SC ₂ H ₅	298-04-4	—	0,1	—	0,3	
Disulphur decafluoride	253	S ₂ F ₁₀	5714-22-7	see Sulphur pentafluoride				
Disulphur dichloride	254	S ₂ Cl ₂	10025-67-9	see Sulphur monochloride				
2,6-Di-tert- butyl-p-cresol	255	(C ₄ H ₉) ₂ CH ₃ C ₆ H ₂ O	128-37-0	—	10	—	—	
6,6-Di-tert- butyl-4,4—thiodi-m-cresol	256	[CH ₃ (OH)C ₆ H ₂ C (CH ₃) ₃] ₂ S	96-69-5	see 4,4'-Thiobis(6-tert-butyl- m-cresol)				
Diuron	257	C ₉ H ₁₀ Cl ₂ N ₂ O	330-54-1	—	10	—	—	
Divanadium pentoxide	592- 593	V ₂ O ₅	1314-62-1	see Vanadium pentoxide				
Divinyl benzene [DVB]	258	C ₆ H ₄ (HC=CH ₂) ₂	1321-74-0	10	50	—	—	
Emery								
inhalable particulate	259	Al ₂ O ₃	1302-74-5	—	10	—	—	
respirable particulate	260			—	5	—	—	
Endosulfan	261	C ₉ H ₆ Cl ₆ O ₃ S	115-29-7	—	0,1	—	0,3	Sk
Endrin	262	C ₁₂ H ₈ Cl ₆ O	72-20-8	—	0,1	—	0,3	Sk
Enflurane	263	CHFClCF ₂ OCHF ₂	13838-16-9	50	380	—	—	
*Epichlorohydrin	135	C ₃ H ₅ OCl	106-89-8	0,5	2	1,5	6	Sk
1,2 Epoxy-4-epoxyethyl-cyclohexane	265	C ₈ H ₁₂ O ₂	106-87-6	see 4-Vinyl cyclohexene dioxide				
2,3-Epoxypropyl isopropyl ether	266	C ₆ H ₁₂ O ₂	4016-14-2	see Isopropyl glycidyl ether				
Ethane 1,2-diol	283- 284	HOCH ₂ CH ₂ OH	107-21-1	see Ethylene glycol				
Ethanethiol	267	CH ₃ CH ₂ SH	75-08-1	see Ethyl mercaptan				
Ethanol	268	CH ₃ H ₂ OH	64-17-5	1000	1900	—	—	
Ethanolamine	22	NH ₂ CH ₂ CH ₂ OH	141-43-5	3	8	6	15	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Ether	214	C ₂ H ₅ OC ₂ H ₅	60-29-7	see Ethyl ether				
*2- Ethoxyethanol [EGEE]	270	CH ₃ CH ₂ OCH ₂ CH ₂ OH	110-80-5	5	18	—	—	Sk [06]
*2-Ethoxyethyl acetate [EGEEA]	271	C ₂ H ₅ OCH ₂ CH ₂ OOCCH ₃	111-15-9	5	27	—	—	Sk [06]
Ethyl acetate	272	CH ₃ COOC ₂ H ₅	141-78-6	200	700	—	—	[06]
Ethyl acrylate C ₂ H ₅	273	CH ₂ =CHCOO	140-88-5	5	20	15	60	
Ethyl alcohol	268	CH ₃ CH ₂ OH	64-17-5	see Ethanol				
Ethylamine	274	CH ₃ CH ₂ NH ₂	75-04-7	5	9	—	—	[06]
Ethyl amyl ketone	275	C ₈ H ₁₆ O	541-85-5	25	130	—	—	
Ethyl benzene	276	CH ₃ CH ₂ C ₆ H ₅	100-41-4	100	435	125	545	
Ethyl bromide	69	CH ₃ CH ₂ Br	74-96-4	5	22	—	—	[06]
Ethyl butyl ketone	278	CH ₃ CH ₂ CO(CH ₂) ₃ CH ₃	106-35-4	50	240	75	345	
Ethyl chloride	136	CH ₃ CH ₂ Cl	75-00-3	100	260	—	—	[06]
Ethyl chloroformate	280	ClCO ₂ C ₂ H ₅	541-41-3	1	4,4	—	—	
Ethylene chlorohydrin	137	CH ₂ ClCH ₂ OH	107-07-3	—	—	1	3	Sk
Ethylene diamine	181	NH ₂ CH ₂ CH ₂ NH ₂	107-15-3	10	25	—	—	
*Ethylene dibromide	189	BrCH ₂ CH ₂ Br	106-93-4	0,5	4	—	—	Sk
*Ethylene dichloride	198	ClCH ₂ CH ₂ Cl	107-06-2	5	20	—	—	Sk
Ethylene dinitrate	282	O ₂ NOCH ₂ CH ₂ ONO ₂	628-96-6	see Ethylene glycol dinitrate				
Ethylene glycol	283-284	HOCH ₂ CH ₂ OH	107-21-1	20	—	40	—	[06]
Ethylene glycol dinitrate [EGDN]	282	O ₂ NOCH ₂ CH ₂ ONO ₂	628-96-6	0,05	0,3	0,2	1,2	Sk [06]
*Ethylene glycol ether [EGBE]	80	C ₄ H ₉ OCH ₂ CH ₂ OH	111-76-2	see *2-Butoxyethanol monobutyl				
*Ethylene glycol monoethyl ether [EGEE]	270	CH ₃ CH ₂ OCH ₂ CH ₂ OH	110-80-5	See *2-Ethoxyethanol				
*Ethylene glycol monoethyl ether acetate [EGEEA]	271	C ₂ H ₅ OCH ₂ CH ₂ OOCCH ₃	111-15-9	see *2-Ethoxyethyl acetate				
*Ethylene glycol monomethyl ether [EGME]	285	CH ₃ OCH ₂ CH ₂ OH	109-86-4	see *2-Methoxyethanol				
*Ethylene glycol monomethyl ether acetate [EGMEA]	286	CH ₃ COOCH ₂ CH ₂ OCH ₃	110-49-6	see *2-Methoxyethyl acetate				
Ethyleneimine	38	CH ₂ NHCH ₂	151-56-4	0,5	1	—	—	Sk
*Ethylene oxide	288	CH ₂ CH ₂ O	75-21-8	1	2	—	—	[06]
Ethyl ether	214	C ₂ H ₅ OC ₂ H ₅	60-29-7	400	1200	500	1500	
Ethyl formate	289	CH ₃ CH ₂ OCHO	109-94-4	100	300	150	450	
2-Ethylhexyl chloroformate	290	ClCO ₂ CH ₂ CH(CH ₂) ₃ CH ₃	24468-13-1	1	7,9	—	—	
Ethylidene dichloride	197	CH ₃ CHCl ₂	75-34-3	see 1,1—Dichloroethane				
Ethyl mercaptan	267	CH ₃ CH ₂ SH	75-08-1	0,5	1	2	3	
4- Ethylmorpholine	291	C ₄ H ₈ ONCH ₂ CH ₃	100-74-3	5	23	20	95	Sk
Ethyl silicate	292	Si(OC ₂ H ₅) ₄	78-10-4	10	85	30	255	
Fenchlorphos	293	(CH ₃ O) ₂ PSOC ₆ H ₂ Cl ₃	299-84-3	see Ronnel				
Ferbam	294	[(CH ₃) ₂ NCSS] ₃ Fe	14484-64-1	—	10	—	20	
Ferrocene	208	(C ₅ H ₅) ₂ Fe	102-54-5	see Dicyclopentadienyl iron				
Ferrovandium dust	295	FeV	12604-58-9	—	1	—	3	
Flammable gas (methane/ hydrogen)	296	—	—	—	—	C 1,4%	—	[e]
Flour dust	296A	—	—	—	3	—	—	[06*]
Fluorides [as F]	297	F	16984-48-8	—	2,5	—	—	
Fluorine	298	F ₂	7782-41-4	1	1,5	2	3	[06]
Fluorodichloromethane	201	CHCl ₂ F	75-43-4	see Dichlorofluoromethane				
Fluorotrichloromethane	299	CCl ₃ F	75-69-4	see Trichlorofluoromethane				
*Formaldehyde	300	HCHO	50-00-0	1	1.2	2	2,5	[06]

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[06*] New addition in 2006.

[e] Explosion hazard.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
Formamide	301	HCONH ₂	75-12-7	10	15	30	45	[06]	
Formic acid	302	HCOOH	64-18-6	5	9	—	—		
2-Furaldehyde	303	C ₅ H ₄ O ₂	98-01-1	see Furfural					
Furfural	303	C ₅ H ₄ O ₂	98-01-1	2	8	10	40	Sk	
Furfuryl alcohol	304	OCH=CHCH=CCH ₂ OH	98-00-0	5	20	15	60	Sk	
Gasoline	305	—	8006-61-9	300	—	500	—		
Germane	306	GeH ₄	7782-65-2	see Germanium tetrahydride					
Germanium tetrahydride	306	GeH ₄	7782-65-2	0,2	0,6	0,6	1,8		
Glutaraldehyde	307	OCH(CH ₂) ₃ CHO	111-30-8	—	—	C0,1	C0,35	[06]	
Glycerol, mist	308	HOCH ₂ CH(OH)CH ₂ OH	56-81-5	10	—	—	—		
Glycerol	309	CH ₂ NO ₃ CHNO ₃ CH ₂ NO ₃	55-63-0	see Nitroglycerine trinitrate					
Glycol monoethyl	270	CH ₃ CH ₂ OCH ₂ CH ₂ OH	110-80-5	see *2-Ethoxyethanol ether					
Graphite, natural & synthetic inhalable particulate respirable particulate	310 311	C	7440-44-0 7782-42-5	— —	10 5	— —	— —		
*Grain dust (oat, wheat, barley)	312	—	—	—	4	—	—	Sen [06]	
Guthion	37	C ₁₀ H ₁₂ O ₃ PS ₂ N ₃	86-50-0	see Azinphos-methyl					
Gypsum inhalable particulate respirable particulate	313 314	CaSO ₄ 2H ₂ O	13397-24-5	— —	10 5	— —	— —		
<i>gamma</i> -HCH	39	C ₆ H ₆ Cl ₆	58-89-9	see Lindane					
Hafnium	316	Hf	7440-58-6	—	0,5	—	1,5		
Halothane	317	CF ₃ CHClBr	151-67-7	10	80	—	—		
Heptachlor	318	C ₁₀ H ₅ Cl ₇	76-44-8	—	0,5	—	2	Sk	
<i>n</i> -Heptane	319	CH ₃ (CH ₂) ₅ CH ₃	142-82-5	400	1600	500	2000		
Heptan-2-one	320	CH ₃ CO(CH ₂) ₄ CH ₃	110-43-0	see Methyl <i>n</i> -amyl ketone					
Heptan-3-one	278	CH ₃ CH ₂ CO(CH ₂) ₃ CH ₃	106-35-4	see Ethyl butyl ketone					
<i>gamma</i> -Hexachlorocyclohexane	39	C ₆ H ₆ Cl ₆	58-89-9	see Lindane					
Hexachloroethane vapour inhalable particulate respirable particulate	321 322 323	CCl ₃ CCl ₃	67-72-1	1 10 5	10 — —	— — —	— — —	[06]	
Hexahydro-1,3,5-trinitro- 1,3,5-triazine	168	C ₃ H ₆ N ₆ O ₆	121-82-4	see Cyclonite					
Hexane, all isomers except <i>n</i> -Hexane	324	C ₅ H ₁₄	—	500	1800	1000	3600		
<i>n</i> -Hexane	325	CH ₃ (CH ₂) ₄ CH ₃	110-54-3	20	70	—	—		
1,6- Hexanolactam	104-105	NH(CH ₂) ₅ CO	105-60-2	see Caprolactam					
Hexan-2-one	326	CH ₃ CO(CH ₂) ₃ CH ₃	591-78-6	see Methyl- <i>n</i> -butyl ketone					
Hexone	327	CH ₃ COCH ₂ CH(CH ₃) ₂	108-10-1	see Methyl isobutyl ketone					
sec-Hexyl acetate	232	C ₈ H ₁₆ O ₂	108-84-9	50	300	100	600		
Hexylene glycol	328	(CH ₃) ₂ COHCH ₂ CHOHCH ₃	107-41-5	—	—	C25	C125	[06]	
Hydrazine	329	H ₂ NNH ₂	302-01-2	0,02	0,02	—	—	Sk [06]	
Hydrazoic acid [as vapour]	330	HN ₃	7782-79-8	—	—	0,1	—		
Hydrogen	331	H ₂	1333-74-0	—	—	C1,4%	—	[f]	
Hydrogen bromide	332	HBr	10035-10-6	—	—	2	7	[06]	
Hydrogen chloride	333	HCl	7647-01-0	—	—	C5	C7	[06]	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Sen Sensitiser.

[f] Simple asphyxiant. See also Note [e] for Flammable gas.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
Hydrogen—cyanide and cyanide salts [as CN]		—	—						
*Hydrogen cyanide	334	HCN	74-90-8	—	—	C 10	C 10	Sk	
Calcium cyanide	335	Ca(CN) ₂	592-01-8	—	—	—	C5	Sk	
Potassium cyanide	336	KCN	151-50-8	—	—	—	C5	Sk	
Sodium cyanide	337	NaCN	143-33-9	—	—	—	C5	Sk	
Hydrogen fluoride [as F]	338	HF	7664-39-3	—	—	3	2,5		
Hydrogen peroxide	339	H ₂ O ₂	7722-84-1	1	1,5	2	3		
Hydrogen selenide [as Se]	340	H ₂ Se	7783-07-5	0,05	0,2	—	—		
Hydrogen sulphide	341	H ₂ S	7783-06-4	10	14	15	21		
Hydroquinone	220	C ₆ H ₄ (OH) ₂	123-31-9	—	2	—	4		
4-Hydroxy-4- methyl-pentan-2-one	176	CH ₃ COCH ₂ C(CH ₃) ₂ OH	123-42-2	see Diacetone alcohol					
2- Hydroxypropyl acrylate	342	C ₆ H ₁₀ O ₃	999-61-1	0,5	3	—	—	Sk	
2,2'- Iminodiethanol	210	(CH ₂ CH ₂ OH) ₂ NH	111-42-2	see Diethanolamine					
2,2'- Iminodi(ethylamine)	179	(NH ₂ CH ₂ CH ₂) ₂ NH	111-40-0	see Diethylene triamine					
Indene	343	C ₉ H ₈	95-13-6	10	45	15	70		
Indium & compounds [as In]	344	In	7440-74-6	—	0,1	—	0,3		
Iodine	345	I ₂	7553-56-2	—	—	0,1	1		
Iodoform	346	CHI ₃	75-47-8	0,6	10	1	20		
Iodomethane	347	CH ₃ I	74-88-4	see Methyl iodide					
Iron oxide, dust & fume [as Fe]	348	Fe ₂ O ₃	1309-37-1	—	5	—	10		
Iron pentacarbonyl	349	Fe(CO) ₅	13463-40-6	0,1	0,8	0,2	1,6	[06]	
Iron salts [as Fe]	350	—	—	—	1	—	2		
Isoamyl acetate	351	CH ₃ COOCH ₂ CH ₂ CH(CH ₃) ₂	123-92-2	50	262	100	525	[06]	
Isoamyl alcohol	352	(CH ₃) ₂ CHCH ₂ CH ₂ OH	123-51-3	100	360	125	450		
Isoamyl methyl ketone	353	CH ₃ COCH ₂ CH ₂ CH(CH ₃) ₂	110-12-3	see Methyl isoamyl ketone					
Isobutyl acetate	354	CH ₃ COOCH ₂ CH(CH ₃) ₂	110-19-0	150	700	187	875		
Isobutyl alcohol	355	(CH ₃) ₂ CHCH ₂ OH	78-83-1	50	150	75	225		
Isobutyl methyl ketone	327	CH ₃ COCH ₂ CH(CH ₃) ₂	108-10-1	see Methyl isobutyl ketone					
*Isocyanates, all [as—NCO]	356	—	—	0.005	—	0.02	—	Sen [06]	
Isoflurane	357	CF ₃ CHClOCHF ₂	26675-46-7	50	380	—	—		
Isooctyl alcohol [mixed isomers]	358	C ₈ H ₁₇ OH	26952-21-6	50	270	—	—		
Isopentyl acetate	351	CH ₃ COOCH ₂ CH ₂ CH(CH ₃) ₂	123-92-2	see Isoamyl acetate					
Isophorone	359	C ₉ H ₁₄ O	78-59-1	—	—	C5	C25	[06]	
Isophorone [IPDI]	360	C ₁₂ H ₁₈ N ₂ O ₂	4098-71-9	see *Isocyanates diisocyanate					
Isopropyl acetate	361	CH ₃ COOCH(CH ₃) ₂	108-21-4	—	—	200	840		
Isopropyl alcohol	362	(CH ₃) ₂ CHOH	67-63-0	400	980	500	1225		
Isopropyl benzene	159	C ₆ H ₅ CH(CH ₃) ₂	98-82-8	see Cumene					
Isopropyl chloroformate	363	ClCO ₂ CH(CH ₃) ₂	108-23-6	1	5	—	—		
Isopropyl ether	227	(CH ₃) ₂ CHOCH(CH ₃) ₂	108-20-3	250	1050	310	1320		
Isopropyl glycidyl ether [IGE]	266	C ₆ H ₁₂ O ₂	4016-14-2	50	240	75	360		
Kaolin, respirable particulate	364	Al ₄ Si ₄ O ₁₀ (OH) ₈	1332-58-7	—	2,5	—	—		
Ketene	365	CH ₂ =CO	463-51-4	0,5	0,9	1,5	3		
*Lead, elemental, and inorganic compounds [as Pb]	366	Pb	7439-92-1 (metal)	—	0,1	—	—	[06]	
*Lead tetra- ethyl [as Pb]	367	Pb(C ₂ H ₅) ₄	78-00-2	—	0,10	—	—	Sk	
Lead tetra- methyl [as Pb]	368	Pb(CH ₃) ₄	75-74-1	—	0,15	—	—	Sk [06]	
Limestone	96-97	CaCO ₃	1317-65-3	see Calcium carbonate					
Lindane	39	C ₆ H ₆ Cl ₆	58-89-9	—	0,1	—	—	Sk	

[06] Revised in 2006.
Sk Danger of cutaneous absorption.
Sen Sensitiser.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Liquified petroleum gas [LPG]	369	Mixture: C ₃ H ₆ ; C ₃ H ₈ ; C ₄ H ₈ ; C ₄ H ₁₀	68476-85-7	1000	1800	1250	2250	
Lithium hydride	370	LiH	7580-67-8	—	0.025	—	—	
Lithium hydroxide	371	LiOH	1310-65-2	—	—	—	1	
*MBOCA	203	CH ₂ (C ₆ H ₄ CINH ₂) ₂	101-14-4	see*4,4'-Methylenebis-(2-chloroaniline)				
*MDA	180	CH ₂ (C ₆ H ₄ NH ₂) ₂	101-77-9	see *4,4'Methylene dianiline				
*MDI	360A	CH ₂ (C ₆ H ₄ NCO) ₂	101-68-8	see *Isocyanates				
Magnesite								
inhalable particulate	372	MgCO ₃	546-93-0	—	10	—	—	
respirable particulate	373			—	5	—	—	
Magnesium oxide [as Mg]								
inhalable particulate	374	MgO	1309-48-4	—	10	—	—	
fume and respirable particulate	375			—	5	—	10	
Malathion	376	C ₁₀ H ₁₉ O ₆ PS ₂	121-75-5	—	10	—	—	Sk
Maleic anhydride	377	C ₄ H ₂ O ₃	108-31-6	0,25	1	—	—	
Manganese, elemental, and inorganic compounds [as Mn]	378	Mn	7439-96-5 (metal)	—	1	—	—	[06]
Manganese, fume [as Mn]	379	Mn	7439-96-5	—	1	—	3	
Manganese cyclopentadienyl tricarbonyl [as Mn]	380	C ₅ H ₅ Mn(CO) ₃	12079-65-1	0,1	—	0.3	Sk	
Manganese tetroxide	381	Mn ₃ O ₄	1317-35-7	—	1	—	—	
Man made mineral fibres [Glass, slag and rock wool fibres]	382	—	—	—	2f/ml	—	—	
Marble	96-97	CaCO ₃	1317-65-3	see Calcium carbonate				
Mequinol [INN]	383	CH ₃ OC ₆ H ₄ OH	150-76-5	—	5	—	—	
Mercaptoacetic acid	384	HSCH ₂ COOH	68-11-1	see Thioglycolic acid				
Mercury alkyls [as Hg]	385	—	—	—	0,01	—	0,03	Sk
Mercury and compounds, except Mercury alkyls [as Hg]	386	Hg	7439-97-6	—	0,025	—	—	
Mesityl oxide	387	(CH ₃) ₂ C=CHCOCH ₃	141-79-7	15	60	25	100	
Methacrylic acid	388	CH ₂ =C(CH ₃)COOH	79-41-4	20	70	40	140	
Methacrylonitrile	389	CH ₂ =C(CH ₃)CN	126-98-7	1	3	—	—	Sk
Methane	390	CH ₄	74-82-8	—	—	C 1,4%	—	[f]
Methanethiol	391	CH ₃ SH	74-93-1	see Methyl mercaptan				
Methanol	392	CH ₃ OH	67-56-1	200	260	250	310	Sk
Methyl	393	C ₅ H ₁₀ N ₂ O ₂ S	16752-77-5	—	2,5	—	—	
Methoxychlor	55	(C ₆ H ₄ OCH ₃) ₂ CHCCl ₃	72-43-5	—	10	—	—	
*2- Methoxyethanol [EGME]	285	CH ₃ OCH ₂ CH ₂ OH	109-86-4	5	16	—	—	Sk
*2- Methoxyethyl acetate [EGMEA]	286	CH ₂ COOCH ₂ CH ₂ OCH ₃	110-49-6	5	24	—	—	Sk
1—Methoxypropan- 2-ol	394	CH ₃ CHOHCH ₂ OCH ₃	107-98-2	see Propylene glycol monomethyl ether				
Methyl acetate	395	CH ₃ COOCH ₃	79-20-9	200	610	250	760	
Methyl acrylate	396	CH ₂ =CHCOOCH ₃	96-33-3	10	35	—	—	
Methylal	228	CH ₂ (OCH ₃) ₂	109-87-5	1000	3100	1250	3880	
Methyl alcohol	392	CH ₃ OH	67-56-1	see Methanol				
Methylamine	397	CH ₃ NH ₂	74-89-5	10	12	—	—	
Methyl n-amyl ketone	320	CH ₃ CO(CH ₂) ₄ CH ₃	110-43-0	50	240	100	480	Sk
N-Methylaniline	398	C ₆ H ₅ NHCH ₃	100-61-8	0,5	2	—	—	Sk
Methyl bromide	72	CH ₃ Br	74-83-9	5	20	15	60	Sk
3-Methylbutan-1-ol	352	(CH ₃) ₂ CHCH ₂ CH ₂ OH	123-51-3	see Isoamyl alcohol				
1-Methylbutyl acetate	28	CH ₃ COOCH(CH ₃)C ₃ H ₇	626-38-0	see sec-Amyl acetate				

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[f] Simple asphyxiant. See also Note [e] for Flammable gas.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Methyl- <i>n</i> -butyl ketone	326	CH ₃ CO(CH ₂) ₃ CH ₃	591-78-6	5	20	—	—	Sk
Methyl chloride	140	CH ₃ Cl	74-87-3	50	105	100	210	
Methyl chloroform	401	CH ₃ CCl ₃	71-55-6	100	542	200	1085	[06]
Methyl 2-cyanoacrylate	402	CH ₂ =C(CN)COOCH ₃	137-05-3	2	8	4	16	
Methylcyclohexane	403	CH ₃ C ₆ H ₁₁	108-87-2	400	1600	500	2000	
Methylcyclohexanol	404	CH ₃ C ₆ H ₁₀ OH	25639-42-3	50	235	75	350	
2- Methylcyclohexanone	405	CH ₃ CHCO(CH ₂) ₃ CH ₂	583-60-8	50	230	75	345	Sk
Methylcyclopentadienyl manganese tricarbonyl [as Mn]	406	CH ₃ C ₅ H ₄ Mn(CO) ₃	12108-13-3	—	0,2	—	0,6	Sk
2-Methyl-4,6- dinitrophenol	239	CH ₃ C ₆ H ₂ (OH)(NO ₂) ₂	534-52-1	see Dinitro- <i>o</i> -cresol				
*4,4'- Methylenebis(2-chloroaniline) [MBOCA]	203	CH ₂ (C ₆ H ₄ ClNH ₂) ₂	101-14-4	—	0.005	—	—	Sk
*Methylene chloride	202	CH ₂ Cl ₂	75-09-2	50	175	250	780	[06]
*4,4'- Methylene dianiline [MDA]	180	CH ₂ (C ₆ H ₄ NH ₂) ₂	101-77-9	0,01	0,08	—	—	
*4,4'- Methylene- diphenyl diisocyanate [MDI]	360A	CH ₂ (C ₆ H ₄ NCO) ₂	101-68-8	see *Isocyanates				
Methyl ethyl ketone [MEK]	78	CH ₃ COCH ₂ CH ₃	78-93-3	200	600	300	900	Sk
Methyl ethyl ketone or peroxides [MEKP]	406	C ₈ H ₁₆ O ₄ C ₈ H ₁₈ O ₆	1338-23-4	—	—	C0,2	C1,5	[06]
Methyl formate	409	HCOOCH ₃	107-31-3	100	250	150	375	
5-Methylheptan-3-one	275	C ₈ H ₁₆ O	541-85-5	see Ethyl amyl ketone				
5-Methylhexan- 2-one	353	CH ₃ COCH ₂ CH ₂ CH(CH ₃) ₂	110-12-3	see Methyl isoamyl ketone				
Methyl iodide	347	CH ₃ I	74-88-4	2	11	5	28	Sk [06]
Methyl isoamyl ketone	353	CH ₃ COCH ₂ CH ₂ CH(CH ₃) ₂	110-12-3	50	240	75	360	Sk
Methyl isobutyl carbinol	410	(CH ₃) ₂ CHCH ₂ CH(OH)CH ₃	108-11-2	25	100	40	160	Sk
Methyl isobutyl ketone [MIBK]	327	CH ₃ COCH ₂ CH(CH ₃) ₂	108-10-1	20	82	50	205	Sk [06]
*Methyl isocyanate	360B	CH ₃ NCO	624-83-9	see *Isocyanates				
Methyl mercaptan	391	CH ₃ SH	74-93-1	0,5	1	—	—	
Methyl methacrylate	411	CH ₂ =C(CH ₃)COOCH ₃	80-62-6	50	205	100	410	
Methyl parathion	412	C ₈ H ₁₀ NO ₅ PS	298-00-0	—	0,2	—	0,6	Sk
2- Methylpentane-2,4-diol	328	(CH ₃) ₂ COHCH ₂ CHOHCH ₃	107-41-5	see Hexylene glycol				
4-Methylpentan-2-ol	410	(CH ₃) ₂ CHCH ₂ CH(OH)CH ₃	108-11-2	see Methyl isobutyl carbinol				
4-Methylpentan-2-one	327	CH ₃ COCH ₂ CH(CH ₃) ₂	108-10-1	see Methyl isobutyli ketone				
4-Methyl-3- penten-2-one	387	(CH ₃) ₂ C=CHCOCH ₃	141-79-7	see Mesityl oxide				
*4-Methyl- <i>m</i> -phenylene diisocyanate	360C	CH ₃ C ₆ H ₃ (NCO) ₂	584-84-9	see *Isocyanates				
2-Methylpropan-1-ol	355	(CH ₃) ₂ CHCH ₂ OH	78-83-1	see Isobutyl alcohol				
2-Methylpropan-2-ol	85	(CH ₃) ₃ COH	75-65-0	see <i>tert</i> -Butyl alcohol				
Methyl propyl ketone	413	CH ₃ COCH ₂ CH ₂ CH ₃	107-87-9	200	700	250	875	
1-Methyl-2-pyrrolidone	414	CH ₃ N(CH ₂) ₃ CO	872-50-4	25	100	—	—	[06]
Methyl silicate	415	(CH ₃ O) ₄ Si	681-84-5	1	6	5	30	
alpha-Methyl styrene	416	C ₆ H ₅ C(CH ₃)=CH ₂	98-83-9	50	240	100	480	
Methylstyrenes	417	CH ₂ =CHC ₆ H ₄ CH ₃	25013-15-4	see Vinyl toluenes, all isomers				
N-Methyl-N- 2,4,6-tetranitroaniline	418	(NO ₂) ₃ C ₆ H ₂ N(NO ₂)CH ₃	479-45-8	see Tetryl				
Mevinphos	419	C ₇ H ₁₃ PO ₆	7786-34-7	0,01	0,1	0,03	0,3	Sk
Mica								
inhalable particulate	420	—	12001-26-2	—	10	—	—	
respirable particulate	421	—		—	1	—	—	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Molybdenum compounds [as Mo]								
soluble compounds	422	Mo	7439-98-7 (metal)	—	5	—	10	
insoluble compounds	423			—	10	—	20	
Monochloroacetic acid	425	ClCH ₂ CO ₂ H	79-11-8	0,3	1	—	—	Sk
Morpholine	426	C ₄ H ₉ NO	110-91-8	20	70	30	105	Sk
Naled	187	C ₄ H ₇ Br ₂ Cl ₂ O ₄ P	300-76-5	—	3	—	6	
Naphthalene	427	C ₁₀ H ₈	91-20-3	10	50	15	75	
1,5- Naphthalene diisocyanate	428	C ₁₀ H ₆ (NCO) ₂	3173-72-6	see *Isocyanates				
*Nickel	429	Ni	7440-02-0 (metal)	—	0,5	—	—	
Nickel carbonyl [as Ni]	430	Ni(CO) ₄	13463-39-3	—	—	0,1	0,24	
Nickel, organic compounds [as Ni]	431	Ni	—	—	1	—	3	
*Nickel, inorganic compounds [as Ni]								
soluble compounds	432	Ni	—	—	0,1	—	—	
insoluble compounds	433			—	0,5	—	—	
Nickel, subsulfide	433A		12035-72-2	—	0,1	—	—	[06*]
Nicotine	434	C ₁₀ H ₁₄ N ₂	54-11-5	—	0,5	—	1,5	Sk
Nitrapyrin	146	ClC ₅ H ₃ NCCl ₃	1929-82-4	—	10	—	20	
Nitric acid	436	HNO ₃	7697-37-2	2	5	4	10	
Nitric oxide	437	NO	10102-43-9	25	30	35	45	
4-Nitroaniline	438	NO ₂ C ₆ H ₄ NH ₂	100-01-6	—	6	—	—	Sk
Nitrobenzene	439	C ₆ H ₅ NO ₂	98-95-3	1	5	2	10	Sk
Nitroethane	440	C ₂ H ₅ NO ₂	79-24-3	100	310	—	—	
Nitrogen dioxide	441	NO ₂	10102-44-0	3	5	5	9	
Nitrogen	437	NO	10102-43-9	see Nitric oxide monoxide				
Nitrogen trifluoride	442	NF ₃	7783-54-2	10	30	15	45	
Nitroglycerine [NG]	309	CH ₂ NO ₃ CHNO ₃ CH ₂ NO ₃	55-63-0	0,05	0,5	0,2	2	Sk [06]
Nitromethane	443	CH ₃ NO ₂	75-52-5	20	50	—	—	[06]
1-Nitropropane	444	C ₃ H ₇ NO ₂	108-03-2	25	90	—	—	
*2- Nitroprapane	445	(CH ₃) ₂ CH(NO ₂)	79-46-9	5	18	—	—	
Nitrotoluene, all isomers	446	CH ₃ C ₆ H ₄ NO ₂	88-72-2	2	12	10	60	Sk [06]
Nitrous oxide	447	N ₂ O	10024-97-2	50	90	—	—	[06]
Octachloronaphtalene	448	C ₁₀ Cl ₆	2234-13-1	—	0,1	—	0,3	Sk
n-Octane	449	CH ₃ (CH ₂) ₆ CH ₃	111-65-9	300	1450	375	1800	
Oil mist, mineral	450	—	—	—	1	—	10	[06]
Orthophosphoric acid	451	H ₃ PO ₄	7664-38-2	see Phosphoric acid				
Osmium tetroxide [as Os]	452	OsO ₄	20816-12-0	0.0002	0.002	0.0006	0.006	
Oxalic acid	453	COOHCOOH.2H ₂ O	144-62-7	—	1	—	2	
Oxalonnitrile	161	(CN) ₂	460-19-5	see Cyanogen				
Oxygen	—	O ₂	7782-44-7	Not less than 19%				
2,2'-Oxydiethanol	213	(CH ₂ CH ₂ OH) ₂ O	111-46-6	see Diethylene glycol				
Ozone	454	O ₃	10028-15-6	—	—	0,2	0,4	
Paraffin wax, fume	455	—	8002-74-2	—	2	—	6	
Paraquate dichloride respirable particulate	456	CH ₃ (C ₅ H ₄ N) ₂ CH ₃ .2Cl	1910-42-5	—	0,1	—	—	
Parathion	457	(C ₂ H ₅ O) ₂ PSOC ₆ H ₄ NO ₂	56-38-2	—	0,1	—	0,3	Sk
Parathion-methyl	412	C ₈ H ₁₀ NO ₅ PS	298-00-0	see Methyl parathion				

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[06*] New addition in 2006.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Particles not otherwise classified [PNOC]								
inhalable particulate	458	—	—	—	10	—	—	[g] [06]
respirable particulate	459	—	—	—	3	—	—	
PCBs	124-125			see Chlordiphenyls				
Pentacarbonyliron [as Fe]	349	Fe(CO) ₅	13463-40-6	see Iron pentacarbonyl				
Pentachlorophenol	460	C ₆ Cl ₅ OH	87-86-5	—	0,5	—	1,5	Sk
Pentaerythritol								
inhalable particulate	461	C(CH ₂ OH) ₄	115-77-5	—	10	—	20	
respirable particulate	462			—	5	—	—	
Pentane, all isomers	463	C ₅ H ₁₂	—	600	1800	750	2250	
Pentan-2-one	413	CH ₃ COCH ₂ CH ₂ CH ₃	107-87-9	see Methyl propyl ketone				
Pentan-3-one	216	CH ₃ CH ₂ COCH ₂ CH ₃	96-22-0	see Diethyl ketone				
Pentyl acetate	27	CH ₃ COO(CH ₂) ₄ CH ₃	628-63-7	see n-Amyl acetate				
Perchloroethylene	464	Cl ₂ C=CCl ₂	127-18-4	25	170	100	678	[06]
Perchloryl fluoride	465	ClO ₃ F	7616-94-6	3	14	6	28	
Phenacyl chloride	129	C ₆ H ₅ COCH ₂ Cl	532-27-4	see 2-Chloroacetophenone				
Phenol	466	C ₆ H ₅ OH	108-95-2	5	19	10	38	Sk
p- Phenylenediamine	467	C ₆ H ₄ (NH ₂) ₂	106-50-3	—	0,1	—	—	
Phenyl-2,3-epoxypropyl ether	468	C ₆ H ₅ OCH ₂ CHCH ₂	122-60-1	1	6	—	—	
Phenyl ether, vapour	245	C ₆ H ₅ OC ₆ H ₅	101-84-8	1	7	—	—	
*Phenylethylene	469	C ₆ H ₅ CH=CH ₂	100-42-5	see *Styrene, monomer				
Phenylhydrazine	470	C ₃₆ H ₅ NHNH ₂	100-63-0	0,1	0,4	—	—	Sk [06]
2-Phenylpropene	416	C ₆ H ₅ C(CH ₃)=CH ₂	98-83-9	see alpha-Methyl styrene				
Phorate	471	C ₇ H ₁₇ O ₂ PS ₃	298-02-2	—	0,05	—	0,2	Sk
Phosdrin	419	C ₇ H ₁₃ PO ₆	7786-34-7	see Mevinphos				
Phosgene	116	COCl ₂	75-44-5	0,02	0,08	0,06	0,25	
Phosphine	473	PH ₃	7803-51-2	—	—	0,3	0,4	
Phosphoric acid	451	H ₃ PO ₄	7664-38-2	—	1	—	3	
Phosphorus, yellow	475	P ₄	7723-14-0	—	0,1	—	0,3	
Phosphorus pentachloride	476	PCl ₅	10026-13-8	0,1	1	—	—	
Phosphorus pentasulphide	246	P ₂ S ₅ /P ₄ S ₁₀	1314-80-3	—	1	—	3	
Phosphorus trichloride	477	PCl ₃	7719-12-2	0,2	1,5	0,5	3	
Phosphoryl trichloride	478	POCl ₃	10025-87-3	0,2	1,2	0,6	3,6	
Phthalic anhydride	479	C ₆ H ₄ (CO) ₂ O	85-44-9	1	6	4	24	Sen
Picloram	480	C ₆ H ₃ Cl ₃ N ₂ O ₂	1918-02-1	—	10	—	20	
Picric acid	481	(NO ₂) ₃ C ₆ H ₂ OH	88-89-1	—	0,1	—	0,3	
Piperazine dihydrochloride	482	C ₄ H ₁₀ N ₂ ·2HCl	142-64-3	—	5	—	—	
Piperidine	483	C ₅ H ₁₁ N	110-89-4	1	3,5	—	—	Sk
Plaster of Paris								
inhalable particulate	484	(CaSO ₄) ₂ ·H ₂ O	26499-65-0	—	10	—	—	
respirable particulate	485			—	5	—	—	
Platinum metal	486	Pt	7440-06-4	—	5	—	—	
Platinum mine dust respirable particulate	487	—	—	—	3	—	—	[06]
Platinum salts, soluble [as Pt]	488	—	—	—	0.002	—	—	Sen
Polychlorinated biphenyls [PCBs]	124-125	—	—	see Chlorodiphenyls				
Polyvinyl chloride [PVC]								
inhalable particulate	489	—	9002-86-2	—	10	—	—	
respirable particulate	490			—	5	—	—	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[g] Ensure that due regard is given to crystalline silica content of the dust.

Sen Sensitiser.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Portland cement								
inhalable particulate	491	—	65997-15-1	—	10	—	—	
respirable particulate	492			—	5	—	—	
Potassium cyanide	336	KCN	151-50-8	see Hydrogen cyanide and cyanide salts				
Potassium hydroxide	493	KOH	1310-58-3	—	—	—	2	
Propane-1,2-diol	502- 503	CH ₃ CHOHCH ₂ OH	57-55-6	see Propylene glycol				
n-Propanol	494	CH ₃ CH ₂ CH ₂ OH	71-23-8	200	500	250	625	Sk
Propan-1-ol	494	CH ₃ CH ₂ CH ₂ OH	71-23-8	see n-Propanol				
Propan-2-ol	362	(CH ₃) ₂ CHOH	67-63-0	see Isopropyl alcohol				
Propane	495	CH ₃ CH ₂ CH ₃	74-98-6	1000	1800	—	—	
Propargyl alcohol	496	HC=CCH ₂ OH	107-19-7	1	2	3	6	Sk
Propionic acid	497	CH ₃ CH ₂ COOH	79-09-4	10	30	15	45	
Propoxur	498	C ₁₁ H ₁₅ NO ₃	114-26-1	—	0,5	—	2	
Propranolol	499	C ₁₆ H ₂₁ NO ₂	525-66-6	—	2	—	6	
n-Propyl acetate	500	CH ₃ COOC ₃ H ₇	109-60-4	200	840	250	1050	
Propylene dinitrate	501	CH ₃ CNO ₂ OHCHNO ₂ OH	6423-43-4	see Propylene glycol dinitrate				
Propylene glycol								
total (particulate & vapour)	502	CH ₃ CHOHCH ₂ OH	57-55-6	150	470	—	—	
particulate	503			—	10	—	—	
Propylene glycol dinitrate [PGDN]	501	CH ₃ CNO ₂ OHCHNO ₂ OH	6423-43-4	0,05	0,3	0,2	1,2	Sk
Propylene glycol monomethyl ether	394	CH ₃ CHOHCH ₂ OCH ₃	107-98-2	100	370	150	550	Sk [06]
2-Propryn-1-ol	496	HC=CCH ₂ OH	107-19-7	see Propargyl alcohol				
Pulverised fuel ash								
inhalable particulate	504	—	—	—	10	—	—	
respirable particulate	505			—	5	—	—	
Pyrethrins	506	—	8003-34-7	—	5	—	10	
Pyridine	507	C ₅ H ₅ N	110-86-1	5	15	10	30	
2-Pyridylamine	508	NH ₂ C ₅ H ₄ N	5 02-29-0	0,5	2	2	8	
Pyrocatechol	117	C ₆ H ₄ (OH) ₂	120-80-9	see Catechol				
Quartz, crystalline	522	SiO ₂	14808-60-7	see Silica—Crystalline				
Quinone	46	C ₆ H ₄ O ₂	106-51-4	0,1	0,4	0,3	1,2	
ROX	168	C ₃ H ₆ N ₆ O ₆	121-82-4	see Cyclonite				
Resorcinol	219	C ₆ H ₄ (OH) ₂	108-46-3	10	45	20	90	
Rhodium (as Rh)								
metal fume & dust	510	Rh	7440-16-6 (metal)	—	0,1	—	0,3	
soluble salts	511			—	0.001	—	0.003	
Ronnel	293	(CH ₃ O) ₂ P(S)OC ₆ BH ₂ Cl ₃	299-84-3	—	10	—	—	
Rosin core solder pyrolysis products (as formaldehyde)	512	—	—	—	0,1	—	0,3	Sen
Rotenone	175	C ₂₃ H ₂₂ O ₆	83-79-4	—	5	—	10	
Rouge								
inhalable particulate	513	Fe ₂ O ₃	1309-37-1	—	10	—	—	
respirable particulate	514			—	5	—	—	
*Rubber fume	515	—	—	—	0,6	—	—	
*Rubber process dust	516			—	6	—	—	
Selenium & compounds, except hydrogen selenide [as Se]	517	Se	7782-49-2	—	0,1	—	—	
Silane	518	SiH ₄	7803-62-5	see Silicon tetrahydride				
Silica, amorphous								
inhalable particulate	519	SiO ₂	7631-86-9	—	6	—	—	
respirable particulate	520			—	3	—	—	

[06] Revised in 2006.
 Sk Danger of cutaneous absorption.
 Sen Sensitiser.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes	
				ppm	mg/m ³	ppm	mg/m ³		
* Silica, crystalline [respirable particulate]		SiO ₂	14808-60-7						
Cristobalite	521		14464-46-1	—	0,1	—	—		
Quartz	522		14808-60-7	—	0,1	—	—		
Tridymite	523		15468-32-3	—	0,1	—	—		
Tripoli	524		1317-95-9	—	0,1	—	—		
Silica fume [respirable particulate]		SiO ₂	69012-64-2	—	2	—	—		
Silica, fused [respirable particulate]	525	SiO ₂	60676-86-0	—	0,1	—	—		
Silicon									
inhalable particulate	526			—	10	—	—		
respirable particulate	527	Si	7440-21-3	—	5	—	—		
Silicon carbide									
inhalable particulate	528			—	10	—	—		
respirable particulate	529	SiC	409-21-2	—	5	—	—		
Silicon tetrahydride	518	SiH ₄	7803-62-5	0,5	0,7	1	1,5		
Silver	530	Ag	7440-22-4 (metal)	—	0,1	—	—		
Silver compounds [as Ag]	531	—	—	—	0,01	—	—		
Sodium azide	532	NaN ₃	26628-2-2-8	—	—	—	0,3		
Sodium cyanide	337	NaCN	143-33-9	see Hydrogen cyanide and cyanide salts					
Sodium 2,4-dichlorophenoxy ethyl sulphate	173	C ₈ H ₇ Cl ₂ NaO ₅ S	136-78-7	—	10	—	20		
Sodium fluoroacetate	533	CH ₂ FCOONa	62-74-8	—	0,05	—	0,15	Sk	
Sodium hydrogen sulphite	534	NaHSO ₃	7631-90-5	—	5	—	—		
Sodium hydroxide	535	NaOH	1310-73-2	—	—	—	C2	[06]	
Sodium metabisulphate	250	Na ₂ S ₂ O ₅	7681-57-4	—	5	—	—		
Starch									
inhalable particulate	536			—	10	—	—		
respirable particulate	537	(C ₆ H ₁₀ O ₅) _n	9005-25-8	—	5	—	—		
Stibine	538	SbH ₃	7803-52-3	0,1	0,5	0,3	1,5		
Strychnine	539	C ₂₁ H ₂₂ N ₂ O ₂	57-24-9	—	0,15	—	0,45		
*Styrene, monomer	469	C ₆ H ₅ CH=CH ₂	100-42-5	50	210	100	420	[06]	
Subtilisins [Proteolytic enzymes as 100% pure crystalline enzyme]	540	—	1395-21-7 9014-01-1	—	—	—	C 0.00006	[06]	
Sucrose	541	C ₁₂ H ₂₂ O ₁₁	57-50-1	—	10	—	20		
Sulfotep	542	[(CH ₃ CH ₂ O) ₂ PS] ₂ O	3689-24-5	—	0,2	—	—	Sk	
Sulphur dioxide	543	SO ₂	7446-09-5	2	5	5	13		
Sulphur hexafluoride	544	SF ₆	2551-62-4	1000	6000	1250	7500		
Sulphuric acid	545	H ₂ SO ₄	7664-93-9	—	1	—	3		
Sulphur monochloride	254	S ₂ Cl ₂	10025-67-9	—	—	1	6		
Sulphur pentafluoride	253	S ₂ F ₁₀	5714-22-7	0,025	0,25	0,075	0,75		
Sulphur tetrafluoride	546	SF ₄	7783-60-0	0,1	0,4	0,3	1		
Sulphuryl difluoride	547	SO ₂ F ₂	2699-79-8	5	20	10	40		
2,4,5-T	548	Cl ₃ C ₆ H ₂ OCH ₂ COOH	93-76-5	see 2,4,5- Trichlorophenoxyacetic acid					
*TDI	360C	CH ₃ C ₆ H ₃ (NCO) ₂	584-84-9	see *Isocyanates					
TEDP	542	[(CH ₃ CH ₂ O) ₂ PS] ₂ O	3689-24-5	see Sulfotep					
TEPP	549	[(CH ₃ CH ₂ O) ₂ PO] ₂ O	107-49-3	0.004	0,05	0,01	0,2	Sk	
TNT	550	CH ₃ C ₆ H ₂ (NO ₂) ₃	118-96-7	see 2,4,6-Trinitrotoluene					
Talc									
inhalable particulate	55 1			—	10	—	—		
respirable particulate	552	Mg ₃ Si ₄ O ₁₀ (OH) ₂	14807-96-6	—	1	—	—		

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
Tantalum metal and oxide dusts [as Ta]	553	Ta	7440-25-7 1314-61-0	—	5	—	10	
Tellurium & compounds, except hydrogen telluride [as Te]	554	Te	13494-80-9	—	0,1	—	—	
Terphenyls, all isomers	555	C ₁₈ H ₁₄	26140-60-3	—	—	0,5	5	
1,1,2,2-Tetrabromoethane	556	CHBr ₂ CHBr ₂	79-27-6	0,5	7	—	—	Sk
Tetrabromomethane	114	CBBr ₄	558-13-4	see Carbon tetrabromide				
Tetracarbonyl nickel	430	Ni(CO) ₄	13463-39-3	see Nickel carbonyl				
1,1,1,2-Tetrachloro- 1,2-difluoroethane	557	CCl ₂ FCCl ₂ F	76-12-0	100	834	100	834	
1,1,1,2-Tetrachloro- 2,2-difluoroethane	558	CCl ₃ CClF ₂	76-11-9	100	834	100	834	
Tetrachloroethylene	464	Cl ₂ C=CCl ₂	127-18-4	see Perchloroethylene				
Tetrachloromethane	115	CCl ₄	56-23-5	see Carbon tetrachloride				
Tetrachloronaphthalenes, all isomers	559	C ₁₀ H ₄ Cl ₄	1335-88-2	—	2	—	4	
Tetraethyl dithiopyrophosphate	542	(CH ₃ CH ₂ O) ₂ PS ₂ O	3689-24-5	see Sulfotep				
Tetraethyl orthosilicate	292	Si(OC ₂ H ₅) ₄	78-10-4	see Ethyl silicate				
Tetraethyl pyrophosphate	549	(CH ₃ CH ₂ O) ₂ PO ₂ O	107-49-3	see TEPP				
Tetrafluorodichloroethane	158	CClF ₂ CClF ₂	76-14-2	see 1,2- Dichlorotetrafluoroethane				
1,1,1,2-Tetrafluoroethane [HFC 134a]	560	CF ₃ CH ₂ F	811-97-2	1000	4200	—	—	
Tetrahydrofuran	561	C ₄ H ₈ O	109-99-9	50	148	100	295	Sk [06]
Tetramethyl orthosilicate	415	(CH ₃ O) ₄ Si	681-84-5	see Methyl silicate				
Tetramethyl succinonitrile	562	C ₈ H ₁₂ N ₂	3333-52-6	0,5	3	2	9	Sk
Tetrasodium pyrophosphate	563	Na ₄ P ₂ O ₇	7722-88-5	—	5	—	—	
Tetryl	418	(NO ₂) ₃ C ₆ H ₂ N(NO ₂)CH ₃	479-45-8	—	1,5	—	3	
Thallium, soluble compounds [as Tl]	564	Tl	—	—	0,1	—	—	Sk
4,4'-Thiobis(6-terf-butyl-m-cresol)	256	CH ₃ (OH)C ₆ H ₂ C(CH ₃) ₃) ₂ S	96-69-5	—	10	—	20	
Thioglycolic acid	384	HSCH ₂ COOH	68-11-1	1	5	—	—	
Thionyl chloride	565	SOCl ₂	7719-09-7	—	—	C1	C5	[06]
Thiram	566	(CH ₃) ₂ NCS ₂ CS ₂ N(CH ₃) ₂	137-26-8	—	1	—	—	[06]
Tin compounds, inorganic except SnH ₄ [as Sn]	567	—	—	—	2	—	4	
Tin compounds, organic except cyhexatin [as Sn]	568	—	—	—	0,1	—	0,2	Sk
Titanium dioxide								
inhalable particulate	569	TiO ₂	13463-67-7	—	10	—	—	
respirable particulate	570			—	5	—	—	
Toluene	571	C ₆ H ₅ CH ₃	108-88-3	50	188	150	560	Sk
*2,4-Toluene diisocyanate [TDI]	360C	CH ₃ CeH ₃ (NCO) ₂	584-84-9	see *Isocyanates				
p- Toluenesulphonyl chloride	572	CH ₃ C ₆ H ₄ SO ₂ Cl	98-59-9	—	—	—	5	
Tribromomethane	71	CHBr ₃	75-25-2	see Bromoform				
Tributyl phosphate, all isomers	573	(C ₄ H ₉) ₃ PO ₄	126-73-8	0,2	—	—	—	[06]
Tricarbonyl(eta-cyclopentadienyl) manganese	380	C ₅ H ₅ Mn(CO) ₃	12079-65-1	see Manganese cyclopentadienyl tricarbonyl				
Tricarbonyl (methylcyclopentatricarbonyl dienyl)	406	CH ₃ C ₅ H ₄ Mn(CO) ₃	12108-13-3	see Methylcyclopentadienyl manganese				
Trichloroacetic acid	574	CCl ₃ COOH	76-03-9	1	5	—	—	
1,2,4-Trichlorobenzene	575	C ₆ H ₃ Cl ₃	120-82-1	2	16	5	40	[06]

[06] Revised in 2006.
Sk Danger of cutaneous absorption.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
1,1,1-Trichlorobis 2,2-bis(p-chlorophenyl)ethane	171	(C ₆ H ₄ Cl) ₂ CHCCl ₃	50-29-3	see DDT				
*1,1,1-Trichloroethane	401	CH ₃ CCl ₃	71-55-6	see *Methyl chloroform				
1,1,2-Trichloroethane	576	CHCl ₂ CH ₂ Cl	79-00-5	10	45	20	90	Sk
*Trichloroethylene	577	CCl ₂ =CHCl	79-01-6	50	268	100	535	Sk [06]
Trichlorofluoromethane	299	CCl ₃ FO	75-69-4	100	5600	1250	7000	
Trichloromethane	139	CHCl ₃	67-66-3	see Chloroform				
Trichloronitromethane	143	CCl ₃ NO ₂	76-06-2	see Chloropicrin				
2,4,5-Trichlorophenoxyacetic acid	548	Cl ₃ C ₆ H ₂ OCH ₂ COOH	93-76-5	—	10	—	20	
1,2,3-Trichloropropane	578	CH ₂ ClCHClCH ₂ Cl	96-18-4	10	60	—	—	Sk [06]
1,1,2-Trichlorotrifluoroethane	579	CCl ₂ FCClF ₂	76-13-1	1000	7600	1250	9500	
Tri- <i>o</i> -cresyl phosphate	580	(CH ₃ C ₆ H ₄ O) ₃ P=O	78-30-8	—	0,1	—	0,3	
Tricyclohexyltin hydroxide	169	(C ₆ H ₁₁) ₃ SnOH	13121-70-5	see Cyhexatin				
Tridymite	523	SiO ₂	14808-60-7	see Silica—Crystalline				
Triethylamine	581	(C ₂ H ₅) ₃ N	121-44-8	2	8	3	12	[06]
Trifluorobromomethane	73	CF ₃ Br	75-63-8	1000	6100	1200	7300	
Trimanganese tetroxide	381	Mn ₃ O ₄	1317-35-7	see Manganese tetroxide				
Trimellitic anhydride	45	C ₉ H ₄ O ₅	552-30-7	—	0,04	—	—	Sen
Trimethylamine	584	(CH ₃) ₃ N	75-50-3	10	24	15	36	
Trimethylbenzene, all isomers or mixtures	585	C ₆ H ₃ (CH ₃) ₃	25551-13-7	25	123	—	—	
3,5,5-Trimethylcyclohex-2-enone	359	C ₉ H ₁₄ O	78-59-1	see Isophorone				
Trimethyl phosphite	586	(CH ₃ O) ₃ P	121-45-9	2	10	—	—	
2,4,6-Trinitrophenol	481	(NO ₂) ₃ C ₆ H ₂ OH	88-89-1	see Picric acid				
2,4,6-Trinitrotoluene	550	CH ₃ C ₆ H ₂ (NO ₂) ₃	118-96-7	—	0,5	—	—	Sk
Triphenyl phosphate	587	(C ₆ H ₅ O) ₃ PO ₄	115-86-6	—	3	—	6	
Tripoli	524	SiO ₂	14808-60-7	see Silica—Crystalline				
Tri- <i>o</i> -toyl phosphate	580	(CH ₃ C ₆ H ₄ O) ₃ P=O	78-30-8	see Tri- <i>o</i> -cresyl phosphate				
Tungsten & compounds [as W] soluble	588	—	7440-33-7 (metal)	—	1	—	3	
insoluble	589	—	7440-33-7 (metal)	—	5	—	10	
Turpentine	590	C ₁₀ H ₁₆ (approx)	8006-64-2	100	560	150	840	
Uranium (natural). Soluble and insoluble compounds [as U]	591	—	7440-61-1 (metal)	—	0,2	—	0,6	[06]
Vanadium pentoxide inhalable particulate	592	V ₂ O ₅	1314-62-1	—	0,5	—	—	
fume & respirable particulate	593	V ₂ O ₅	1314-62-1	—	0,05	—	—	
Vegetable oil mist	593A	—	—	—	10	—	—	[06*]
Vinyl acetate	594	CH ₂ =CHOOCCH ₃	108-05-4	10	30	20	60	
*Vinyl benzene	469	C ₆ H ₅ CH=CH ₂	100-42-5	see *Styrene, monomer				
Vinyl bromide	70	CH ₂ =CHBr	593-60-2	5	20	—	—	
*Vinyl chloride	138	H ₂ C=CHCl	75-0-4	3	—	—	—	
4-Vinyl cyclohexene dioxide	265	C ₈ H ₁₂ O ₂	106-87-6	10	60	—	—	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

Sen Sensitiser.

[06*] New addition in 2006.

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m ³	ppm	mg/m ³	
*Vinylidene chloride	199	CH ₂ =CCl ₂	75-35-4	5	20	—	—	[06]
Vinyl toluenes, all isomers	417	CH ₂ =CHC ₆ H ₅	25013-15-4	50	240	100	480	
Warfarin	597	C ₁₉ H ₁₆ O ₄	81-81-2	—	0,1	—	0,3	
Welding fumes	598	—	—	—	5	—	—	Note [h]
White spirit [Stoddard Solvent]	599	—	8052-41-3	100	575	125	720	
Wood dust								
Hard wood	600	—	—	—	1	—	—	Sen [06]
Soft wood	601		—	—	5	—	10	
Xylene, <i>o</i> -, <i>m</i> -, <i>p</i> - or mixed isomers	602	C ₆ H ₄ (CH ₃) ₂	1330-20-7	50	218	100	435	Sk [06]
Xylidine, all isomers	21	(CH ₃) ₂ C ₆ H ₃ NH ₂	1300-73-8	0,5	2,5	10	50	Sk [06]
Yttrium	604	Y	7440-65-5	—	1	—	3	
Zinc chloride, fume	605	ZnCl ₂	7646-85-7	—	1	—	2	
Zinc distearate	606-607	Zn(C ₁₈ H ₃₅ O ₂) ₂	557-05-1	see Zinc stearate				
Zinc oxide, fume	606	ZnO	1314-13-2	—	5	—	10	
Zinc stearate								
inhalable particulate	607	Zn(C ₁₈ H ₃₅ O ₂) ₂	557-05-1	—	10	—	20	
respirable particulate	608			—	5	—	—	
Zirconium compounds [as Zr]	609	Zr	7440-67-7	—	5	—	10	

[06] Revised in 2006.

Sk Danger of cutaneous absorption.

[h] The OEL for welding fume is without prejudice to any occupational exposure limits for individual components in the fume. Some welding processes generate fume that contains components, which have specific OELs, these limits should be applied to control exposure if these substances are present in the fume.

Sen Sensitiser.