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_3CHO	75-07-0	25	45	50	90	[06]
Acetic acid	2	CH_3COOH	64-19-7	10	25	15	37	
Acetic anhydride	3	$(CH_3CO)_2O$	108-24-7	—	—	5	20	
Acetone	4	$(CH_3)_2CO$	67-64-1	500	1185	1000	2375	[06]
Acetonitrile	5	CH_3CN	75-05-8	40	70	60	105	
Acetylsalicylic acid [Asprin]	6	$CH_3COOC_6H_4COOH$	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	$C_{12}H_8Cl_6$	309-00-2	—	0,25	—	0,75	Sk
Allyl alcohol	12	CH_2=$CHCH_2OH$	107-18-6	2	5	4	10	Sk
Allyl chloride	13	CH_2=$CHCH_2Cl$	107-05-1	1	3	2	6	
Allyl-2,3- epoxypropyl ether	14	$C_6H_{10}O_2$	106-92-3	see Allyl glycidyl ether				
Allyl glycidyl ether (AGE)	14	$C_6H_{10}O_2$	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_2O_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	$(CH_3)_2C_6H_3NH_2$	1300-73-8	see Xylidine				
2-Aminoethanol	22	$NH_2CH_2CH_2OH$	141-43-5	See Ethanolamine				
2-Aminopyridine	23	$NH_2C_5H_4N$	504-29-0	0,5	2	2	8	
Ammonia	24	NH_3	7664-41-7	25	17	35	24	
Ammonium chloride, fume	25	NH_4Cl	12125-02-9	—	10	—	20	
Ammonium sulphamate	26	$NH_2SO_3NH_4$	7773-06-0	—	10	—	20	
n-Amyl acetate	27	CH_3COO $(CH_2)_4CH_3$	628-63-7	100	530	150	800	
sec-Amyl acetate	28	$CH_3COOCH(CH_3)C_3H_7$	626-38-0	125	666	—	—	[06*]
Aniline	29	$C_6H_5NH_2$	62-53-3	2	10	5	20	Sk
Anisidines, *o*- and *p*-isomers	30	$NH_2C_6H_4OCH_3$	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	$C_8H_{14}ClN_5$	1912-24-9	—	5	—	—	[06]
Azinphos-methyl	37	$C_{10}H_{12}O_3PS_2N_3$	86-50-0	—	0,2	—	0,6	Sk
Aziridine	38	CH_2NHCH_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/m³	ppm	mg/m³	
gamma-BHC	39	$C_6H_6Cl_6$	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	$C_{14}H_{18}N_4O_3$	17804-35-2	—	10	—	15	
*Benzene	43	C_6H_6	71-43-2	1	3	—	—	[06]
Benzenethiol	44	C_6H_5SH	108-98-5	0,5	2	—	—	
Benzene-1,2,4,- tricarboxylic acid 1,2 anhydride	45	$C_9H_4O_5$	552-30-7	see Trimellitic anhydride				
p-Benzoquinone	46	$C_6H_4O_2$	106-51-4	see Quinone				
Benzoyl peroxide	47	$(C_6H_5CO)_2O_2$	94-36-0	—	5	—	—	
Benzyl butyl phthalate	40	$C_{19}H_{20}O_4$	85-68-7	See Butyl benzyl phthalate				
Benzyl chloride	49	$C_6H_5CH_2Cl$	100-44-7	1	5	—	—	
*Beryllium and beryllium compounds [as Be]	50	Be	7440-41-7 (metal)	—	0.002	—	—	
Biphenyl	51	$(C_6H_5)_2$	92-52-4	0,2	1,5	0,6	4	
*Bis(chioromethyl) ether [BCME]	52	$ClCH_2OCH_2Cl$	542-88-1	0.001	0.005	—	—	
Bis(2,3- epoxypropyl) ether	53	$(OCH_2CHCH_2)_2O$	2238-07-5	see Diglycidyl ether				
Bis(2- ethythexyl) phthalate	54	$C_6H_4(COOC_8H_{17})_2$	117-81-7	see Di-(2-ethythexyl) phthalate				
2,2-Bis(p- Methoxyphenyl)-1,1,1- trichloroethane (DMDT)	55	$(C_6H_4OCH_3)_2CHCCl_3$	72-43-5	see Methoxychlor				
Bismuth telluride [as Bi2Te3]								
Undoped	56	Bi_2Te_3	1304-82-1	—	10	—	20	
Selenium-doped	57			—	5	—	10	
Borates, — tetra, sodium salts								
Anhydrous	58	$Na_2B_4O_7$	1330-43-4	—	1	—	—	
Decahydrate	59	$Na_2B_4O_7.10H_2O$	1303-96-4	—	5	—	—	
Pentahydrate	60	$Na_2B_4O_7.5H_2O$	12179-04-3	—	1	—	—	
Bornan-2-one	61	$C_{10}H_{16}O$	76-22-2	see Camphor, synthetic				
Boron oxide	62	B_2O_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	$C_9H_{13}BrN_2O_2$	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_2BrCl	74-97-5	see Chlorobromomethane				
Bromoethane	69	CH_3CH_2Br	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_3Br	74-83-9	see Methyl bromide				
Bromotrifluoromethane	73	CF_3Br	75-63-8	see Trifluorobromomethane				
*Buta-1,3- diene	74	CH_2=CHCH=CH_2	106-99-0	2	4	—	—	[06]
n-Butane	75	$CH_3CH_2CH_2CH_3$	106-97-8	600	1430	750	1780	
Butan-1-ol	76	$CH_3CH_2CH_2CH_2OH$	71-36-3	see n-Butyl alcohol				
Butan-2-ol	77	$CH_3CH(OH)CH_2CH_3$	78-92-2	see sec-Butyl alcohol				
Butan-2-one	78	$CH_3COCH_2CH_3$	78-93-3	see Methyl ethyl ketone				
trans-But-2- enal	79	CH_3CH=CHCHO	4170-30-3	see Crotonaldehyde				
*2- Butoxyethanol [EGBE]	80	$C_4H_9OCH_2CH_2OH$	111-76-2	25	120	—	—	Sk
n-Butyl acetate	81	$CH_3COO(CH_2)_3$ CH_3	123-86-4	150	710	200	950	
sec-Butyl acetate	82	$CH_3COOCH(CH_3)$ CH_2CH_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	$CH_3COOC(CH_3)_3$	540-88-5	200	950	250	1190	
Butyl acrylate	84	CH_2=$CHCOOC_4H_9$	141-32-2	2	11	—	—	[06]
n-Butyl alcohol	76	$CH_3CH_2CH_2CH_2OH$	71-36-3	—	—	50	150	Sk
sec-Butyl alcohol	77	$CH_3CH(OH)CH_2CH_3$	78-92-2	100	300	150	450	
tert-Butyl alcohol	85	$(CH_3)_3COH$	75-65-0	100	300	150	450	
n-Butylamine	86	$CH_3CH_2CH_2CH_2NH_2$	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	$ClCO_2C_4H_{10}$	592-34-7	1	5,6	—	—	
n-Butyl glycidyl ether [BGE]	89	$C_4H_9OCH_2CHCH_2O$	2426-08-6	25	135	—	—	
n-Butyl lactate	90	$CH_3CH(OH)COOC_4H_9$	138-22-7	5	25	—	—	
2-sec- Butylphenol	91	$C_2H_5(CH_3)CHC_6H_4OH$	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	104	$NH(CH_2)_5CO$	105-60-2	—	1	—	3	
vapour	105			5	20	10	40	
Captafol	106	$C_{10}H_9Cl_4NO_2S$	242 5-06-1	—	0,1	—	—	Sk
Captan	107	$C_9H_8Cl3NO_2S$	133-06-2	—	5	—	15	
Carbaryl	108	$CH_3NHCOOC_{10}H_7$	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	CBr^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	$C_6H_4(OH)_2$	120-80-9	5	20	—	—	
Cellulose								
inhalable particulate	118	$(C_6H_{10}O_5)n$	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	120	—	—	—	10	—	—	
respirable particulate	121			—	5	—	—	
Chlordane	122	$C_{10}H_6Cl_8$	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	$C_6H_4ClC_8H_3Cl_2$ (Approx)	53469-21-9	—	1	—	2	Sk
Chlorodiphenyl (54% chlorine)	125	$C_6H_3Cl_2C_6H_2Cl_3$ (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	$ClCH_2CHO$	107-20-0	—	—	C1	C3	[06]
2- Chloroacetophenone	129	$C_6H_5COCH_2Cl$	532-27-4	0,05	0,3	—	—	
Chloroacetyl chloride	130	$ClCH_2COCl$	79-04-9	0,05	0.2	—	—	
Chlorobenzene	131	C_6H_5Cl	108-90-7	10	46	—	—	[06]
Chlorobromomethane	68	CH_2BrCl	74-97-5	200	1050	250	1300	
2-Chlorobuta- 1,3-diene	133	CH_2=CClCH=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_3H_5OCl	106-89-8	see *Epichlorohydrin				
Chloroethane	136	CH_3CH_2Cl	75-00-3	see Ethyl chloride				
2-Chloroethanol	137	CH_2ClCH_2OH	107-07-3	see Ethylene chlorohydrin				
*Chloroethylene VCM)	138	H_2C=CHCl	75-01-4	see *Vinyl chloride				
Chloroform	139	$CHCl_3$	67-66-3	2	9,8	—	—	Sk
Chloromethane	140	CH_3Cl	74-87-3	see Methyl chloride				
1-Chloro-4-nitrobenzene	141	$ClC_8H_4NO_2$	100-00-5	—	0,1	—	2	Sk [06]
Chloropentafluoroethane	142	$CClF_2CF_3$	76-15-3	1000	6320	—	—	
Chloropicrin	143	CCl_3NO_2	76-06-2	0,1	0,7	0,3	2	
beta-Chloroprene	133	CH_2=CClCH=CH_2	126-99-8	10	36	—	—	Sk
3-Chloropropylene	13	CH_2=$CHCH_2Cl$	107-05-1	see Allyl chloride				
Chlorosulphonic acid	144	HSO_3Cl	7790-94-5	—	1	—	—	
alpha-Chlorololuene	49	$C_8H_5CH_2Cl$	100-44-7	see Benzyl chloride				
2-Chlorotoluene	145	$ClC_5H_4CH_3$	95-49-8	50	250	—	—	
2-Chloro-6- (trichloromethyl) pyridine	146	$ClC_5H_3NCCl_3$	1929-82-4	see Nitrapyrin				
Chlorpyrifos	147	$C_9H_{11}Cl_3NO_3PS$	2921-88- 2	—	0,2	—	0,6	Sk
Chromium, metal and inorganic compounds [as Cr]		Cr	7440-47-3 (metal)					
Cr[II] compounds	148		—	—	0,5	—	—	
Metal and Cr [III] compounds	149		—	—	0,5	—	—	
Cr [VI] compounds	150		—	—	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 silica 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	$CH_3C_6H_4OH$	1319-77-3	5	22	—	—	Sk
Cristobalite	521	—	14464-46-1	see Silica, crystalline				
Crotonaldehyde	79	$CH_3CH=CHCHO$	4170-30-3	2	6	18	6	
Cryofluorane [INN]	156	$CCIF_2COF_2$	76-14-2	see 1,2-Dichlorotetrafluoroethane				
Cumene	159	$C_6H_5CH(CH_3)_2$	98-82-8	25	120	75	370	Sk
Cyanamide	160	NH_2CN	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	CICN	506-77-4	—	—	C0,3	C0,6	[06]
Cychlohexane	163	C_6H_{12}	110-82-7	100	340	300	1030	
Cyclohexanol	164	$C_6H_{11}OH$	108-93-0	50	200	—	—	
Cyclohexanone	165	$C_6H_{10}O$	108-94-1	25	100	50	200	[06]
Cyclohexene	166	C_6H_{10}	110-83-8	300	1015	—	—	
Cyclohexylamine	167	$C_6H_{11}NH_2$	108-91-8	10	40	—	—	
Cyclonite (RDX)	168	$C_3H_6N_6O_6$	121-82-4	—	1,5	—	3	Sk
Cyhexatin	169	$(C_6H_{111})_3SnOH$	13121-70-5	—	5	—	10	
2,4-D	170	$C_6H_3CI_2OCH_2COOH$	94-75-7	—	10	—	20	
DDT	171	$(C_6H_4CI)_2CHCCl_3$	50-29-3	—	1	—	3	
DDVP	172	$(CH_3O)_2POOCH= CCI_2$	62-73-7	see Dichlorvos				
2,4-DES	173	$C_6H_7CI_2NaO_5S$	136-78-7	see Sodium 2,4- dichlorophenoxyethyt sulphate				
DMDT	55	$(C_6H_4OCH_3)_2CHCCl_3$	72-43-5	see Methoxychlor				
Derris, commercial	175	$C_{23}H_{22}O_6$	83-79-4	see Rotenone				
Diacetone alcohol	176	$CH_3COCH_2C(CH_3)_2OH$	123-42-2	50	240	75	360	
Dialkyl 79 phthalate	177	$C_6H_4(COOC_{7-9}H_{15-9})_2$	—	—	5	—	—	
Diallyl phthalate	178	$C_6H_4(COOCH_2CHCH_2)_2$	131-17-9	—	5	—	—	
2,2'- Diaminodiethylamine	179	$(NH_2CH_2CH_2)_2NH$	111-40-0	see Diethytene triamine				
*4,4'- Diaminodiphenylmethane [DADPM, DDM]	180	$CH_2(C_6H_4NH_2)_2$	101-77-9	see *4,4'-Methylenedianiline				
1,2- Diaminoethane	181	$NH_2CH_2CH_2NH_2$	107-15-3	see Ethylene diamine				
Diammonium peroxodisulphate [as S_2O_8]	182	$(NH_4)_2S_2O_8$	7727-54-0	—	1	—	—	
Diatomaceous earth, natural [respirable particulate]	183	SiO_2	68855-54- 9	—	1.5	—	—	
Diazinon	184	$C_{12}H_{21}N_2O_3PS$	333-41-5	—	0,1	—	0,3	Sk
Diazomethane	185	CH_2N_2	334-88-3	0,2	0,4	—	—	
Dibenzoyl peroxide	47	$(C_6H_5C O)_2O_2$	94-36-0	see Benzoyl peroxide				
Dibismuth tritelluride	56-57	Bi_2Te_3	1304-82-1	see Bismuth telluride				
Diborane	186	B_2H_6	19287-45- 7	0,1	0,1	—	—	
Diboron trioxide	62	B_2O_3	1303-86-2	see Boron oxide				
Dibrom	187	$C_4H_7Br_2CI_2O_4P$	300-76-5	see Naled				
1,2-Dibromo-2,2- dichloroethyl dimethyl phosphate	187	$C_4H_7Br_2CI_2O_4P$	300-76-5	see Naled				
Dibromodifluoromethane	188	CBr_2F_2	75-61-6	100	860	150	1290	
*1,2- Dibromoethane	189	$BrCH_2CH_2Br$	106-93-4	see *Ethylene dibromide				
Dibutyl hydrogen phosphate	190	$(C_4H_9O)_2(OH)PO$	107-66-4	see Dibutyl phosphate				
Dibutyl phosphate	190	$(C_4H_9O)_2(OH)PO$	107-66-4	1	5	2	10	
Dibutyl phthalate	191	$C_6H_4(CO_2C_4H_9)_2$	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	$C_6H_4Cl_2$	95-50-1	20	120	50	300	[06]
1,4- Dichlorobenzene	194	$C_6H_4Cl_2$	106-46-7	25	150	50	300	
Dichlorodifluoromethane	195	CCl_2F_2	75-71-8	1000	4950	1250	6200	
1,3-Dichloro-5,5-dimethyl 2 hydantoin	196	$C_5H_6Cl_2N_2O_2$	118-52-5	—	0,2	—	0,4	
Dichiorodiphenytrichloroethane	171	$(C_6H_4Cl)_2CLHCCl_3$	50-29-3	see DDT				
1,1-Dichloroethane	197	CH_3CHCl_2	75-34-3	100	405	200	810	[06]
*1,2-Dichloroethane	198	$ClCH_2CH_2Cl$	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	$CHCl_2F$	75-43-4	10	40	—	—	
*Dichloromethane	202	CH_2Cl_2	75-09-2	see *Methylene chloride				
*2,2'-Dichloro- 4,4'-methylene dianiline	203	$CH_2(C_2H_3ClNH_2)_2$	101-14-4	see *4,4'-Methylenebis(2- chloroaniline)				
2,4- Dichlorophenoxyacetic acid	170	$C_6H_3Cl_2OCH_2COOH$	94-75-7	see 2,4-D				
1,3- Dichloropropene cis & trans isomers	204	$ClHC=CHCH_2Cl$	542-75-6	1	5	10	50	Sk
1,2- Dichlorotetrafluoroethane	158	$CClF_2CClF_2$	76-14-2	1000	7000	1250	8750	
Dichlorvos	172	$(CH_3O)_2POOCH=CCl_2$	62-73-7	0,1	1	0,3	3	Sk
Dtcyclohexyl phthalate	206	$C_6H_4(COOC_6H_{11})_2$	84-61-7	—	5	—	—	
Dicyclopentadiene	207	$C_{10}H_{12}$	77-73-6	5	30	—	—	
Dicyclopentadienyl iron	208	$(C_5H_5)_2Fe$	102-54-5	—	10	—	20	
Dieldrin	209	$C_{12}H_8Cl_6O$	60-57-1	—	0,25	—	0,75	Sk
Diethanolamine	210	$(CH_2CH_2OH)_2NH$	111-42-2	3	15	—	—	
Diethylamine	211	$(C_2H_2)_2NH$	109-89-7	10	30	25	75	
2-Diethylaminoethanol	212	$(C_2H_5)_2NCH_2CH_2OH$	100-37-8	10	50	—	—	Sk
Diethylene glycol	213	$(CH_2CH_2OH)_2O$	111-46-6	23	100	—	—	
Diethylene triamine	179	$(NH_2CH_2CH_2)_2NH$	111-40-0	1	4	—	—	Sk
Diethyl ether	214	$C_2H_5OC_2H_5$	60-29-7	see Ethyl ether				
Di-(2- ethythexyl) phthalate [DEHP]	54	$C_6H_4(COOC_8H_{17})_2$	117-81-7	—	5	—	10	
Diethyl ketone	216	$CH_3CH_2COCH_2CH_3$	96-22-0	200	700	250	675	
Diethyl phthalate	217	$C_6H_4COOC_2H_5)_2$	84-66-2	—	5	—	10	
Diflurochloromethane	134	$CHClF_2$	75-45-6	see Chlorodifluoromethane				
Diglycidyl ether [DGE]	53	$(OCH_2CHCH_2)_2O$	2238-07-5	0,1	0,6	—	—	
o- Dihydraxybenzene	117	$C_6H_4(OH)_2$	120-80-9	see Catechol				
m- Dihydroxybenzene	219	$C_6H_4(OH)_2$	108-46-3	see Resorcinol				
p- Dihydroxybenzene	220	$C_6H_4(OH)_2$	123-31-9	see Hydroquinone				
1,2 Drhydroxyethane	283- 284	$HOCH_2CH_2OH$	107-21-1	see Ethylene glycol				
Dusobutyl ketone	221	$(CH_3)_2C\ HCH_2)_2CO$	108-83-8	25	150	—	—	
Diisobutyl phthalate	222	$C_6H_4[COOCH_2\ CH(CH_3)_2]_2$	84-69-5	—	5	—	—	
Diisodecyl phthalate	223	$(C_{10}H_{21}CO_2)_2C_6H_4$	26761-40-0	—	5	—	—	
Diisononyl phthalate	224	$C_6H_4(COOC_8H_{19})_2$	28553-12-0	—	5	—	—	
Diisooctyl phthalate	225	$C_6H_4(CO_2C_8H_{17})_2$	27554-26-3	—	5	—	—	
Diisopropylamine	226	$(CH_3)_2CHNHCH(CH_3)_2$	108-18-9	5	20	—	—	
Diisopropyl ether	227	$(CH_3)_2CHOCH(CH_3)_2$	108-20-3	see Isopropyl ether				
Di-linear 79 phthalate	177	$C_6H_4(COOC_{7\text{-}9}H_{15\text{-}19})_2$	—	see Dialkyl 79 phthalate				
Dimethoxymethane	228	$CH_2(OCH_3)_2$	109-87-5	see Methylal				
N,N- Dimethylacetamide	229	$CH_3CON(CH_3)_2$	127-19-5	10	36	20	71	Sk
Dimethylamine	230	$(CH_3)_2NH$	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/m³	ppm	mg/m³	
N,N- Dimethylaniline	231	$C_6H_5N(CH_3)_2$	121-69-7	5	25	10	50	Sk
1,3- Dimethylbutyl acetate	232	$C_8H_{16}O_2$	108-84-9	see sec-Hexyi acetate				
Dimethyl ether	233	CH_3OCH_3	115-10-6	400	750	500	940	
N,N- Dimethylethyiamine [DMEA]	234	$C_2H_5(CH_3)_2N$	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	$[(CH_3)_3CHCH_2]_2CO$	108-83-8	see Diisobutyl ketone				
Dimethyl phthalate	236	$C_6H_4(COOCH_3)_2$	131-11-3	—	5	—	10	
Dimethyl sulphate	237	$(CH_3)_2SO_4$	77-78-1	0,1	0,5	0,1	0,5	Sk
Dinitrobenzene, all isomers	238	$C_6H_4(NO_2)_2$	25154-54-5	0,15	1	0,5	3	Sk
Dinitro-o-cresol	239	$CH_3C_6H_2(OH)(NO_2)_2$	534-52-1	—	0,2	—	0,6	Sk
Dinitrotoluene	240	$CH_3C_6H_3(NO_2)_2$	25321-14-6	—	0,2	—	5	Sk [06]
Dinonyl phthalate	241	$C_6H_4(COOC_9H_{19})_2$	84-76-4	—	5	—	—	
Di-*sec*-octyl phthalate	54	$C_6H_4(COOC_8H_{17})_2$	117-81-7	see Di-(2-ethylhexyl) phthalate				
1,4-Dioxane, tech grade	242	$OCH_2CH_2OCH_2\ CH_2$	123-91-1	25	90	50	180	Sk [06]
Dioxathion	243	$C_{12}H_{26}O_6P_2S_2$	78-34-2	—	0,2	—	—	Sk
Diphenyl	51	$(C_6H_5)_2$	92-52-4	see Biphenyl				
Diphenylamine	244	$(C_6H_5)_2NH$	122-39-4	—	10	—	20	
Diphenyl ether [vapour]	245	$C_6H_5OC_6H_5$	101-84-8	see Phenyl ether, vapour				
Diphosphorus pentasulphide	246	P_2S_5/P_4S_{10}	1314-80-3	see Phosphorus pentasulphide				
Diphosphorus pentoxide	247	P_2O_5/P_4O_{10}	1314-56-3	—	1	—	2	[06]
Dipotassium peroxodisulphate [as S_2O_8]	248	$K_2S_2O_8$	7727-21-1	—	1	—	—	
Diquat dibromide	249	$C_{12}H_{12}Br_2N_2$	85-00-7	—	0,5	—	1	
Disodium disulphile	250	$Na_2S_2O_5$	7681-57-4	see Sodium metabisulphate				
Disodium peroxodisulphate [as $Na_2S_2O_8$]	251	$Na_2S_2O_8$	7775-27-1	—	1	—	—	
Disodium tetraborate	58	$Na_2B_4O_7$	1330-43-4	see Borates, tetra, sodium salts				
Disulfoton	252	$(C_2H_5O)_2PS$ $CH_2CH_2SC_2H_5$	298-04-4	—	0,1	—	0,3	
Disulphur decafluoride	253	S_2F_{10}	5714-22-7	see Sulphur pentafluoride				
Disulphur dichloride	254	S_2Cl_2	10025-67- 9	see Sulphur monochloride				
2,6-Di-tert- butyl-p-cresol	255	$(C_4H_9)_2CH_3C_6H_{20}H$	128-37-0	—	10	—	—	
6,6-Di-tert- butyl-4,4—thiodi-m-cresol	256	$[CH_3(OH)C_6H_2C$ $(CH_3)_3]_2S$	96-69-5	see 4,4'-Thiobis(6-tert-butyl- m-cresol)				
Diuron	257	$C_9H_{10}Cl_2N_2O$	330-54-1	—	10	—	—	
Divanadium pentoxide	592- 593	V_2O_5	1314-62-1	see Vanadium pentoxide				
Divinyl benzene [DVB]	258	$C_6H_4(HC{=}CH_2)_2$	1321-74-0	10	50	—	—	
Emery								
inhalable particulate	259	Al_2O_3	1302-74-5	—	10	—	—	
respirable particulate	260			—	5	—	—	
Endosulfan	261	$C_9H_6Cl6O_3S$	115-29-7	—	0,1	—	0,3	Sk
Endrin	262	$C_{12}H_8Cl_6O$	72-20-8	—	0,1	—	0,3	Sk
Enflurane	263	$CHFClCF_2OCHF_2$	13838-16- 9	50	380	—	—	
*Epichlorohydrin	135	C_3H_5OCl	106-89-8	0,5	2	1,5	6	Sk
1,2 Epoxy-4-epoxyethyl-cyclo-hexane	265	$C_8H_{12}O_2$	106-87-6	see 4-Vinyl cyclohexene dioxide				
2,3-Epoxypropyl isopropyl ether	266	$C_6H_{12}O_2$	4016-14-2	see Isopropyl glycidyl ether				
Ethane 1,2-diol	283- 284	$HOCH_2CH_2OH$	107-21-1	see Ethylene glycol				
Ethanethiol	267	CH_3CH_2SH	75-08-1	see Ethyl mercaptan				
Ethanol	268	CH_3H_2OH	64-17-5	1000	1900	—	—	
Ethanolamine	22	$NH_2CH_2CH_2OH$	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/m³	ppm	mg/m³	
Ether	214	$C_2H_5OC_2H_5$	60-29-7	see Ethyl ether				
*2- Ethoxyethanol [EGEE]	270	$CH_3CH_2OCH_2CH_2OH$	110-80-5	5	18	—	—	Sk [06]
*2-Ethoxyethyl acetate [EGEEA]	271	$C_2H_5OCH_2CH_2OOCCH_3$	111-15-9	5	27	—	—	Sk [06]
Ethyl acetate	272	$CH_3COOC_2H_5$	141-78-6	200	700	—	—	[06]
Ethyl acrylate C2H5	273	CH_2=CHCOO	140-88-5	5	20	15	60	
Ethyl alcohol	268	CH_3CH_2OH	64-17-5	see Ethanol				
Ethylamine	274	$CH_3CH_2NH_2$	75-04-7	5	9	—	—	[06]
Ethyl amyl ketone	275	$C_8H_{16}O$	541-85-5	25	130	—	—	
Ethyl benzene	276	$CH_3CH_2C_6H_5$	100-41-4	100	435	125	545	
Ethyl bromide	69	CH_3CH_2Br	74-96-4	5	22	—	—	[06]
Ethyl butyl ketone	278	$CH_3CH_2CO(CH_2)_3CH_3$	106-35-4	50	240	75	345	
Ethyl chloride	136	CH_3CH_2Cl	75-00-3	100	260	—	—	[06]
Ethyl chloroformate	280	$ClCO_2C_2H_5$	541-41-3	1	4,4	—	—	
Ethylene chlorohydrin	137	CH_2ClCH_2OH	107-07-3	—	—	1	3	Sk
Ethylene diamine	181	$NH_2CH_2CH_2NH_2$	107-15-3	10	25	—	—	
*Ethylene dibromide	189	$BrCH_2CH_2Br$	106-93-4	0,5	4	—	—	Sk
*Ethylene dichloride	198	$ClCH_2CH_2Cl$	107-06-2	5	20	—	—	Sk
Ethylene dinitrate	282	$O_2NOCH_2CH_2ONO_2$	628-96-6	see Ethylene glycol dinitrate				
Ethylene glycol	283-284	$HOCH_2CH_2OH$	107-21-1	20	—	40	—	[06]
Ethylene glycol dinitrate [EGDN]	282	$O_2NOCH_2CH_2ONO_2$	628-96-6	0,05	0,3	0,2	1,2	Sk [06]
*Ethylene glycol ether [EGBE]	80	$C_4H_9OCH_2CH_2OH$	111-76-2	see *2-Butoxyethanol monobutyl				
*Ethylene glycol monoethyl ether [EGEE]	270	$CH_3CH_2OCH_2CH_2OH$	110-80-5	See *2-Ethoxyethanol				
*Ethylene glycol monoethyl ether acetate [EGEEA]	271	$C_2H_5OCH_2CH_2OOCCH_3$	111-15-9	see *2-Ethoxyethyl acetate				
*Ethylene glycol monomethyl ether [EGME]	285	$CH_3OCH_2CH_2OH$	109-86-4	see *2-Methoxyethanol				
*Ethylene glycol monomethyl ether acetate [EGMEA]	286	$CH_3COOCH_2CH_2OCH_3$	110-49-6	see *2-Methoxyethyl acetate				
Ethyleneimine	38	CH_2NHCH_2	151-56-4	0,5	1	—	—	Sk
*Ethylene oxide	288	CH_2CH_2O	75-21-8	1	2	—	—	[06]
Ethyl ether	214	$C_2H_5OC_2H_5$	60-29-7	400	1200	500	1500	
Ethyl formate	289	CH_3CH_2OCHO	109-94-4	100	300	150	450	
2-Ethylhexyl chloroformate	290	$ClCO_2CH_2CH(CH_2)_3CH_3$	24468-13-1	1	7,9	—	—	
Ethylidene dichloride	197	CH_3CHCl_2	75-34-3	see 1,1—Dichloroethane				
Ethyl mercaptan	267	CH_3CH_2SH	75-08-1	0,5	1	2	3	
4- Ethylmorpholine	291	$C_4H_8ONCH_2CH_3$	100-74-3	5	23	20	95	Sk
Ethyl silicate	292	$Si(OC_2H_5)_4$	78-10-4	10	85	30	255	
Fenchlorphos	293	$(CH_3O)_2PSOC_6H_2Cl_3$	299-84-3	see Ronnel				
Ferbam	294	$[(CH_3)_2NCSS]_3Fe$	14484-64-1	—	10	—	20	
Ferrocene	208	$(C_5H_5)_2Fe$	102-54-5	see Dicyclopentadienyl iron				
Ferrovanadium 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	$CHCl_2F$	75-43-4	see Dichlorofluoromethane				
Fluorotrichloromethane	299	CCl_3F	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	$C_5H_4O_2$	98-01-1	see Furfural				
Furfural	303	$C_5H_4O_2$	98-01-1	2	8	10	40	Sk
Furfuryl alcohol	304	$OCH=CHCH=CCH_2OH$	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	$OCH(CH_2)_3CHO$	111-30-8	—	—	C0,1	C0,35	[06]
Glycerol, mist	308	$HOCH_2CH(OH)CH_2OH$	56-81-5	10	—	—		
Glycerol	309	$CH_2NO_3CHNO_3CH_2NO_3$	55-63-0	see Nitroglycerine trinitrate				
Glycol monoethyl	270	$CH_3CH_2OCH_2CH_2OH$	110-80-5	see *2-Ethoxyethanol ether				
Graphite, natural & synthetic								
inhalable particulate	310	C	7440-44-0	—	10	—	—	
respirable particulate	311		7782-42-5	—	5	—	—	
*Grain dust (oat, wheat, barley)	312	—	—	—	4	—	—	Sen [06]
Guthion	37	$C_{10}H_{12}O_3PS_2N_3$	86-50-0	see Azinphos-methyl				
Gypsum								
inhalable particulate	313	$CaSO_42H_2O$	13397-24-5	—	10	—	—	
respirabie particulate	314			—	5	—	—	
gamma-HCH	39	C_6H_6Cl6	58-89-9	see Lindane				
Hafnium	316	Hf	7440-58-6	—	0,5	—	1,5	
Halothane	317	$CF_3CHClBr$	151-67-7	10	80	—	—	
Heptachlor	318	$C_{10}H_5Cl_7$	76-44-8	—	0,5	—	2	Sk
n-Heptane	319	$CH_3(CH_2)_5CH_3$	142-82-5	400	1600	500	2000	
Heptan-2-one	320	$CH_3CO(CH_2)_4CH_3$	110-43-0	see Methyl *n*-amyl ketone				
Heptan-3-one	278	$CH_3CH_2CO(CH_2)_3CH_3$	106-35-4	see Ethyl butyl ketone				
gamma-Hexachlorocyclohexane	39	$C_6H_6Cl_6$	58-89-9	see Lindane				
Hexachloroethane								
vapour	321	CCl_3CCl_3	67-72-1	1	10	—	—	[06]
inhalable particulate	322			10	—	—		
respirable particulate	323			5	—	—		
Hexahydro-1,3,5-trinitro- 1,3,5-triazine	168	$C_3H_6N_6O_6$	121-82-4	see Cyclonite				
Hexane, all isomers except n-Hexane	324	C_5H_{14}	—	500	1800	1000	3600	
n-Hexane	325	$CH_3(CH_2)_4CH_3$	110-54-3	20	70	—	—	
1,6- Hexanolactam	104-105	$NH(CH_2)_5CO$	105-60-2	see Caprolactam				
Hexan-2-one	326	$CH_3CO(CH_2)_3CH_3$	591-78-6	see Methyl-n-butyl ketone				
Hexone	327	$CH_3COCH_2CH(CH_3)_2$	108-10-1	see Methyl isobutyl ketone				
sec-Hexyl acetate	232	$C_8H_{16}O_2$	108-84-9	50	300	100	600	
Hexylene glycol	328	$(CH_3)_2COHCH_2CHOHCH_3$	107-41-5	—	—	C25	C125	[06]
Hydrazine	329	H_2NNH_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_2O_2	7722-84-1	1	1,5	2	3	
Hydrogen selenide [as Se]	340	H_2Se	7783-07-5	0,05	0,2	—	—	
Hydrogen sulphide	341	H_2S	7783-06-4	10	14	15	21	
Hydroquinone	220	$C_6H_4(OH)_2$	123-31-9	—	2	—	4	
4-Hydroxy-4- methyl-pentan-2-one	176	$CH_3COCH_2C(CH_3)_2OH$	123-42-2	see Diacetone alcohol				
2- Hydroxypropyl acrylate	342	$C_6H_{10}O_3$	999-61-1	0,5	3	—	—	Sk
2,2'- Iminodiethanol	210	$(CH_2CH_2OH)_2NH$	111-42-2	see Diethanolamine				
2,2'- Iminodi(ethylamine)	179	$(NH_2CH_2CH_2)_2NH$	111-40-0	see Diethylene triamine				
Indene	343	C_9H_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_3I	74-88-4	see Methyl iodide				
Iron oxide, dust & fume [as Fe]	348	Fe_2O_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	$CH_3COOCH_2CH_2CH(CH_3)_2$	123-92-2	50	262	100	525	[06]
Isoamyl alcohol	352	$(CH_3)_2CHCH_2CH_2OH$	123-51-3	100	360	125	450	
Isoamyl methyl ketone	353	$CH_3COCH_2CH_2CH(CH_3)_2$	110-12-3	see Methyl isoamyl ketone				
Isobutyl acetate	354	$CH_3COOCH_2CH(CH_3)_2$	110-19-0	150	700	187	875	
Isobutyl alcohol	355	$(CH_3)_2CHCH_2OH$	78-83-1	50	150	75	225	
Isobutyl methyl ketone	327	$CH_3COCH_2CH(CH_3)_2$	108-10-1	see Methyl isobutyl ketone				
*Isocyanates, all [as—NCO]	356	—	—	0.005	—	0.02	—	Sen [06]
Isoflurane	357	$CF_3CHClOCHF_2$	26675-46-7	50	380	—	—	
Isooctyl alcohol [mixed isomers]	358	$C_8H_{17}OH$	26952-21-6	50	270	—	—	
Isopentyl acetate	351	$CH_3COOCH_2CH_2CH(CH_3)_2$	123-92-2	see Isoamyl acetate				
Isophorone	359	$C_9H_{14}O$	78-59-1	—	—	C5	C25	[06]
Isophorone [IPDI]	360	$C_{12}H_{18}N_2O_2$	4098-71-9	see *Isocyanates diisocyanate				
Isopropyl acetate	361	$CH_3COOCH(CH_3)_2$	108-21-4	—	—	200	840	
Isopropyl alcohol	362	$(CH_3)_2CHOH$	67-63-0	400	980	500	1225	
Isopropyl benzene	159	$C_6H_5CH(CH_3)_2$	98-82-8	see Cumene				
Isopropyf chloroformate	363	$ClCO_2CH(CH_3)_2$	108-23-6	1	5	—	—	
Isopropyl ether	227	$(CH_3)_2CHOCH(CH_3)_2$	108-20-3	250	1050	310	1320	
Isopropyl glycidyl ether [IGE]	266	$C_6H_{12}O_2$	4016-14-2	50	240	75	360	
Kaolin, respirable particulate	364	$Al_4Si_4O_{10}(OH)_8$	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	$Pb(C_2H_5)_4$	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	$C_6H_6Cl_6$	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_3H_6; C_3H_8; C_4H_8; C_4H_{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	$CH_2(C_6H_4ClNH_2)_2$	101-14-4	see*4,4'-Methylenebis-(2-chloroaniline)				
*MDA	180	$CH_2(C_6H_4NH_2)_2$	101-77-9	see *4,4'Methylene dianiline				
*MDI	360A	$CH_2(C_6H_4NCO)_2$	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	$C_{10}H_{19}O_6PS_2$	121-75-5	—	10	—	—	Sk
Maleic anhydride	377	$C_4H_2O_3$	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	$C_5H_5Mn(CO)_3$	12079-65-1	0,1	—	0.3	Sk	
Manganese tetroxide	381	Mn_3O_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	$CH_3OC_6H_4OH$	150-76-5	—	5	—	—	
Mercaptoacetic acid	384	$HSCH_2COOH$	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	$(CH_3)_2C=CHCOCH_3$	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_3SH	74-93-1	see Methyl mercaptan				
Methanol	392	CH_3OH	67-56-1	200	260	250	310	Sk
Methomyl	393	$C_5H_{10}N_2O_2S$	16752-77-5	—	2,5	—	—	
Methoxychlor	55	$(C_6H_4OCH_3)_2CHCCl_3$	72-43-5	—	10	—	—	
*2- Methoxyethanol [EGME]	285	$CH_3OCH_2CH_2OH$	109-86-4	5	16	—	—	Sk
*2- Methoxyethyl acetate [EGMEA]	286	$CH_2COOCH_2CH_2OCH_3$	110-49-6	5	24	—	—	Sk
1—Methoxypropan- 2-ol	394	$CH_3CHOHCH_2OCH_3$	107-98-2	see Propylene glycol monomethyl ether				
Methyl acetate	395	CH_3COOCH_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_3OH	67-56-1	see Methanol				
Methylamine	397	CH_3NH_2	74-89-5	10	12	—	—	
Methyl *n*-amyl ketone	320	$CH_3CO(CH_2)_4CH_3$	110-43-0	50	240	100	480	Sk
N-Methylaniline	398	$C_6H_5NHCH_3$	100-61-8	0,5	2	—	—	Sk
Methyl bromide	72	CH_3Br	74-83-9	5	20	15	60	Sk
3-Methylbutan-1-ol	352	$(CH_3)_2CHCH_2CH_2OH$	123-51-3	see Isoamyl alcohol				
1-Methylbutyl acetate	28	$CH_3COOCH(CH_3)C_3H_7$	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-*n*-butyl ketone	326	$CH_3CO(CH_2)_3CH_3$	591-78-6	5	20	—	—	Sk
Methyl chloride	140	CH_3Cl	74-87-3	50	105	100	210	
Methyl chloroform	401	CH_3CCl_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	$CH_3C_6H_{11}$	108-87-2	400	1600	500	2000	
Methylcyclohexanol	404	$CH_3C_6H_{10}OH$	25639-42-3	50	235	75	350	
2- Methylcyclohexanone	405	$CH_3CHCO(CH_2)_3CH_2$	583-60-8	50	230	75	345	Sk
Methylcyclopentadienyl manganese tricarbonyl [as Mn]	406	$CH_3C_5H_4Mn(CO)_3$	12108-13-3	—	0,2	—	0,6	Sk
2-Methyl-4,6- dinitrophenol	239	$CH_3C_6H_2(OH)(NO_2)_2$	534-52-1	see Dinitro-o-cresol				
*4,4'- Methylenebis(2-chloroaniline) [MBOCA]	203	$CH_2(C_6H_4ClNH_2)_2$	101-14-4	—	0.005	—	—	Sk
*Methylene chloride	202	$CH_2C\ I_2$	75-09-2	50	175	250	780	[06]
*4,4'- Methylene dianiline [MDA]	180	$CH_2(C_6H_4NH_2)_2$	101-77-9	0,01	0,08	—	—	
*4,4'- Methylene- diphenyl diisocyanate [MDI]	360A	$CH_2(C_6H_4NCO)_2$	101-68-8	see *Isocyanates				
Methyl ethyl ketone [MEK]	78	$CH_3COCH_2CH_3$	78-93-3	200	600	300	900	Sk
Methyl ethyl ketone or peroxides [MEKP]	406	$C_8H_{16}O_4C_8H_{18}O_6$	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	$C_8H_{16}O$	541-85-5	see Ethyl amyl ketone				
5-Methylhexan- 2-one	353	$CH_3COCH_2CH_2CH(CH_3)_2$	110-12-3	see Methyl isoamyl ketone				
Methyl iodide	347	CH_3I	74-88-4	2	11	5	28	Sk [06]
Methyl isoamyl ketone	353	$CH_3COCH_2CH_2CH(CH_3)_2$	110-12-3	50	240	75	360	Sk
Methyl isobutyl carbinol	410	$(CH_3)_2CHCH_2CH(OH)CH_3$	108-11-2	25	100	40	160	Sk
Methyl isobutyl ketone [MIBK]	327	$CH_3COCH_2CH(CH_3)_2$	108-10-1	20	82	50	205	Sk [06]
*Methyl isocyanate	360B	CH_3NCO	624-83-9	see *Isocyanates				
Methyl mercaptan	391	CH_3SH	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	$C_8H_{10}NO_5PS$	298-00-0	—	0,2	—	0,6	Sk
2- Methylpentane-2,4-diol	328	$(CH_3)_2COHCH_2CHOHCH_3$	107-41-5	see Hexylene glycol				
4-Methylpentan-2-ol	410	$(CH_3)_2CHCH_2CH(OH)CH_3$	108-11-2	see Methyl isobutyl carbinol				
4-Methylpentan-2-one	327	$CH_3COCH_2CH(CH_3)_2$	108-10-1	see Methyl isobutyi ketone				
4-Methyl-3- penten-2-one	387	$(CH_3)_2C=CHCOCH_3$	141-79-7	see Mesityl oxide				
*4-Methyl-*m*-phenylene diisocyanate	360C	$CH_3C_6H_3(NCO)_2$	584-84-9	see *Isocyanates				
2-Methylpropan-1-ol	355	$(CH_3)_2CHCH_2OH$	78-83-1	see Isobutyl alcohol				
2-Methylpropan-2-ol	85	$(CH_3)_3COH$	75-65-0	see *tert*-Butyl alcohol				
Methyl propyl ketone	413	$CH_3COCH_2CH_2CH_3$	107-87-9	200	700	250	875	
1-Methyl-2-pyrrolidone	414	$CH_3N(CH_2)_3CO$	872-50-4	25	100	—	—	[06]
Methyl silicate	415	$(CH_3O)_4Si$	681-84-5	1	6	5	30	
alpha-Methyl styrene	416	$C_6H_5C(CH_3)=CH_2$	98-83-9	50	240	100	480	
Methylstyrenes	417	$CH_2=CHC_6H_4CH_3$	25013-15-4	see Vinyl toluenes, all isomers				
N-Methyl-N- 2,4,6-tetranitroaniline	418	$(NO_2)_3C_6H_2N(NO_2)CH_3$	479-45-8	see Tetryl				
Mevinphos	419	$C_7H_{13}PO_6$	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	$ClCH_2CO_2H$	79-11-8	0,3	1	—	—	Sk
Morpholine	426	C_4H_9NO	110-91-8	20	70	30	105	Sk
Naled	187	$C_4H_7Br_2Cl_2O_4P$	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	$ClC_5H_3NCCl_3$	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	$NO_2C_6H_4NH_2$	100-01-6	—	6	—	—	Sk
Nitrobenzene	439	$C_6H_5NO_2$	98-95-3	1	5	2	10	Sk
Nitroethane	440	$C_2H_5NO_2$	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	$CH_2NO_3CHNO_3CH_2NO_3$	55-63-0	0,05	0,5	0,2	2	Sk [06]
Nitromethane	443	CH_3NO_2	75-52-5	20	50	—	—	[06]
1-Nitropropane	444	$C_3H_7NO_2$	108-03-2	25	90	—	—	
*2- Nitroprapane	445	$(CH_3)_2CH(NO_2)$	79-46-9	5	18	—	—	
Nitrotoluene, all isomers	446	$CH_3C_6H_4NO_2$	88-72-2	2	12	10	60	Sk [06]
Nitrous oxide	447	N_2O	10024-97-2	50	90	—	—	[06]
Octachloronaphtalene	448	$C_{10}Cl_6$	2234-13-1	—	0,1	—	0,3	Sk
n-Octane	449	$CH_3(CH_2)_6CH_3$	111-65-9	300	1450	375	1800	
Oil mist, mineral	450	—	—	—	1	—	10	[06]
Orthophosphoric acid	451	H_3PO_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	$COOHCOOH.2H_2O$	144-62-7	—	1	—	2	
Oxalonitrile	161	$(CN)_2$	460-19-5	see Cyanogen				
Oxygen	—	O_2	7782-44-7	Not less than 19%				
2,2'-Oxydiethanol	213	$(CH_2CH_2OH)_2O$	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	$CH_3(C_5H_4N)_2CH_3.2Cl$	1910-42-5	—	0,1	—	—	
Parathion	457	$(C_2H_5O)_2PSOC_6H_4NO_2$	56-38-2	—	0,1	—	0,3	Sk
Parathion-methyl	412	$C_8H_{10}NO_5PS$	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_6Cl_5OH	87-86-5	—	0,5	—	1,5	Sk
Pentaerythritol								
inhalable particulate	461	$C(CH_2OH)_4$	115-77-5	—	10	—	20	
respirable particulate	462			—	5	—	—	
Pentane, all isomers	463	C_5H_{12}	—	600	1800	750	2250	
Pentan-2-one	413	$CH_3COCH_2CH_2CH_3$	107-87-9	see Methyl propyl ketone				
Pentan-3-one	216	$CH_3CH_2COCH_2CH_3$	96-22-0	see Diethyl ketone				
Pentyl acetate	27	$CH_3COO(CH_2)_4CH_3$	628-63-7	see n-Amyl acetate				
Perchloroethylene	464	$Cl_2C=CCl_2$	127-18-4	25	170	100	678	[06]
Perchloryl fluoride	465	ClO_3F	7616-94-6	3	14	6	28	
Phenacyl chloride	129	$C_6H_5COCH_2Cl$	532-27-4	see 2-Chloroacetophenone				
Phenol	466	C_6H_5OH	108-95-2	5	19	10	38	Sk
p- Phenylenediamine	467	$C_6H_4(NH_2)_2$	106-50-3	—	0,1	—	—	
Phenyl-2,3-epoxypropyl ether	468	$C_6H_5OCH_2CHCH_2$	122-60-1	1	6	—	—	
Phenyl ether, vapour	245	$C_6H_6OC_6H_5$	101-84-8	1	7	—	—	
*Phenylethylene	469	$C_6H_5CH=CH_2$	100-42-5	see *Styrene, monomer				
Phenylhydrazine	470	$C_{36}H_5NHNH_2$	100-63-0	0,1	0,4	—	—	Sk [06]
2-Phenylpropene	416	$C_6H_5C(CH_3)=CH_2$	98-83-9	see alpha-Methyl styrene				
Phorate	471	$C_7H_{17}O_2PS_3$	298-02-2	—	0,05	—	0,2	Sk
Phosdrin	419	$C_7H_{13}PO_6$	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_3PO_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_2S_5/P_4S_{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	$C_6H_4(CO)_2O$	85-44-9	1	6	4	24	Sen
Picloram	480	$C_6H_3Cl_3N_2O_2$	1918-02-1	—	10	—	20	
Picric acid	481	$(NO_2)_3C_6H_2OH$	88-89-1	—	0,1	—	0,3	
Piperazine dihydrochloride	482	$C_4H_{10}N_2.2HCl$	142-64-3	—	5	—	—	
Piperidine	483	$C_5H_{11}N$	110-89-4	1	3,5	—	—	Sk
Plaster of Paris								
inhalable particulate	484	$(CaSO_4)_2.H_20$	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/m³	ppm	mg/m³	
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	$CH_3CHOHCH_2OH$	57-55-6	see Propylene glycol				
n-Propanol	494	$CH_3CH_2CH_2OH$	71-23-8	200	500	250	625	Sk
Propan-1-ol	494	$CH_3CH_2CH_2OH$	71-23-8	see n-Propanol				
Propan-2-ol	362	$(CH_3)_2CHOH$	67-63-0	see Isopropyl alcohol				
Propane	495	$CH_3CH_2CH_3$	74-98-6	1000	1800	—	—	
Propargyl alcohol	496	$HC{=}CCH_2OH$	107-19-7	1	2	3	6	Sk
Propionic acid	497	CH_3CH_2COOH	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	$CH_3COOC_3H_7$	109-60-4	200	840	250	1050	
Propylene dinitrate	501	$CH_3CNO_2OHCHNO_2OH$	6423-43-4	see Propylene glycol dinitrate				
Propylene glycol								
total (particulate & vapour)	502	$CH_3CHOHCH_2OH$	57-55-6	150	470	—	—	
particulate	503			—	10	—	—	
Propylene glycol dinitrate [PGDN]	501	$CH_3CNO_2OHCHNO_2OH$	6423-43-4	0,05	0,3	0,2	1,2	Sk
Propylene glycol monomethyl ether	394	$CH_3CHOHCH_2OCH_3$	107-98-2	100	370	150	550	Sk [06]
2-Propyn-1-ol	496	$HC{=}CCH_2OH$	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_5H_5N	110-86-1	5	15	10	30	
2-Pyridylamine	508	$NH_2C_5H_4N$	5 02-29-0	0,5	2	2	8	
Pyrocatechol	117	$C_6H_4(OH)_2$	120-80-9	see Catechol				
Quartz, crystalline	522	SiO_2	14808-60-7	see Silica—Crystalline				
Quinone	46	$C_6H_4O_2$	106-51-4	0,1	0,4	0,3	1,2	
ROX	168	$C_3H_6N_6O_6$	121-82-4	see Cyclonite				
Resorcinol	219	$C_6H_4(OH)_2$	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	$(CH_3O)_2P(S)OC_6\ BH_2Cl_3$	299-84-3	—	10	—	—	
Rosin core solder pyrolysis products [as formaldehyde)	512	—	—	—	0,1	—	0,3	Sen
Rotenone	175	$C_{23}H_{22}O_6I$	83-79-4	—	5	—	10	
Rouge								
inhalable particulate	513	$Fe2O_3$	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/m³	ppm	mg/m³	
* 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	Si	7440-21-3	—	10	—	—	
respirable particulate	527			—	5	—	—	
Silicon carbide								
inhalable particulate	528	SiC	409-21-2	—	10	—	—	
respirable particulate	529			—	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	$C_8H_7Cl_2NaO_5S$	136-78-7	—	10	—	20	
Sodium fluoroacetate	533	$CH_2FCOONa$	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	$Na_2S_2O_5$	7681-57-4	—	5	—	—	
Starch								
inhalable particulate	536	$(C_6H_{10}O_5)N$	9005-25-8	—	10	—	—	
respirable particulate	537			—	5	—	—	
Stibine	538	SbH_3	7803-52-3	0,1	0,5	0,3	1,5	
Strychnine	539	$C_{21}H_{22}N_2O_2$	57-24-9	—	0,15	—	0,45	
*Styrene, monomer	469	$C_6H_5CH=CH_2$	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	$[(CH_3CH_2O)_2PS]_2O$	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_2SO_4	7664-93-9	—	1	—	3	
Sulphur monochloride	254	S_2Cl_2	10025-67-9	—	—	1	6	
Sulphur pentafluoride	253	S_2F_{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_2F_2	2699-79-8	5	20	10	40	
2,4,5-T	548	$Cl_3C_6H_2OCH_2COOH$	93-76-5	see 2,4,5- Trichlorophenoxyacetic acid				
*TDI	360C	$CH_3C_6H_3(NCO)_2$	584-84-9	see *Isocyanates				
TEDP	542	$[(CH_3CH_2O)_2PS]_2O$	3689-24-5	see Sulfotep				
TEPP	549	$[(CH_3CH_2O)_2PO]_2O$	107-49-3	0.004	0,05	0,01	0,2	Sk
TNT	550	$CH_3C_6H_2(NO_2)_3$	118-96-7	see 2,4,6-Trinitrotoluene				
Talc								
inhalable particulate	55 1	$Mg_3Si_4O_{10}(OH)_2$	14807-96-6	—	10	—	—	
respirable particulate	552			—	1	—	—	

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

Substance	Pollutant Code	Formula	CAS Numbers	OEL		OEL-STEL/ OEL-C		Notes
				ppm	mg/m³	ppm	mg/m³	
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	$CHBr_2CHBr_2$	79-27-6	0,5	7	—	—	Sk
Tetrabromomethane	114	CBr_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_2FCCl_2F	76-12-0	100	834	100	834	
1,1,1,2-Tetrachloro- 2,2-difluoroethane	558	CCl_3CClF_2	76-11-9	100	834	100	834	
Tetrachloroethylene	464	$Cl_2C=CCl_2$	127-18-4	see Perchloroethylene				
Tetrachloromethane	115	CCl_4	56-23-5	see Carbon tetrachloride				
Tetrachloronaphthalenes, all isomers	559	$C_{10}H_4Cl_4$	1335-88-2	—	2	—	4	
Tetraethyl dithiopyrophosphate	542	$(CH_3CH_2O)_2PS]_2O$	3689-24-5	see Sulfotep				
Tetraethyl orthosilicate	292	$Si(OC_2H_5)_4$	78-10-4	see Ethyl silicate				
Tetraethyl pyrophosphate	549	$(CH_3CH_2O)_2PO]_2O$	107-49-3	see TEPP				
Tetrafluorodichloroethane	158	$CClF_2CClF_2$	76-14-2	see 1,2- Dichlorotetrafluoroethane				
1,1,1,2-Tetrafluoroethane [HFC 134a]	560	CF_3CH_2F	811-97-2	1000	4200	—	—	
Tetrahydrofuran	561	C_4H_8O	109-99-9	50	148	100	295	Sk [06]
Tetramethyl orthosilicate	415	$(CH_3O)_4Si$	681-84-5	see Methyl silicate				
Tetramethyl succinonitrile	562	$C_8H_{12}N_2$	3333-52-6	0,5	3	2	9	Sk
Tetrasodium pyrophosphate	563	$Na_4P_2O_7$	7722-88-5	—	5	—	—	
Tetryl	418	$(NO_2)_3C_6H_2N(NO_2)CH_3$	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	$CH_3(OH)C_6H_2C\ (CH_3)_3]_2S$	96-69-5	—	10	—	20	
Thioglycolic acid	384	$HSCH_2COOH$	68-11-1	1	5	—	—	
Thionyl chloride	565	$SOCl_2$	7719-09-7	—	—	C1	C5	[06]
Thiram	566	$(CH_3)_2NCS_2CS_2N(CH_3)_2$	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	$C_6H_5CH_3$	108-88-3	50	188	150	560	Sk
*2,4-Toluene diisocyanate [TDI]	360C	$CH_3CeH_3(NCO)_2$	584-84-9	see *Isocyanates				
p- Toluenesulphonyl chloride	572	$CH_3C_6H_4SO_2Cl$	98-59-9	—	—	—	5	
Tribromomethane	71	$CHBr_3$	75-25-2	see Bromoform				
Tributyl phosphate, all isomers	573	$(C_4HgPO_4$	126-73-8	0,2	—	—	—	[06]
Tricarbonyl(eta-cyclopenta dienyl) manganese	380	$C_5H_5Mn(CO)_3$	12079-65-1	see Manganese cyclopentadienyl tricarbonyl				
Tricarbonyl (methylcyclopentatricarbonyl dienyl)	406	$CH_3C_5H_4Mn(CO)_3$	12108-13-3	see Methylcyclopentadienyl manganese manganese				
Trichloroacetic acid	574	CCl_3COOH	76-03-9	1	5	—	—	
1,2,4-Trichlorobenzene	575	C_6H_3Cl3	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	$(C_6H_4Cl)_2CHCCl_3$	50-29-3	see DDT				
*1,1,1-Trichloroethane	401	CH_3CCl_3	71-55-6	see *Methyl chloroform				
1,1,2-Trichloroethane	576	$CHCl_2CH_2Cl$	79-00-5	10	45	20	90	Sk
*Trichloroethytene	577	CCl_2=CHCl	79-01-6	50	268	100	535	Sk [06]
Trichlorofluoromethane	299	CCl_3FO	75-69-4	100	5600	1250	7000	
Trichloromethane	139	$CHCl_3$	67-66-3	see Chloroform				
Trichloronitromethane	143	CCl_3NO_2	76-06-2	see Chloropicrin				
2,4,5-Trichlorophenoxyaoetic acid	548	$Cl3C_6H_2OCH_2COOH$	93-76-5	—	10	—	20	
1,2,3-Trichloropropane	578	$CH_2ClCHClCH_2Cl$	96-18-4	10	60	—	—	Sk [06]
1,1,2-Trichlorotrifluoroethane	579	CCl_2FCClF_2	76-13-1	1000	7600	1250	9500	
Tri-o-cresyl phosphate	580	$(CH_3C_6H_4O)_3P$=O	78-30-8	—	0,1	—	0,3	
Tricyclohexyltin hydroxide	169	$(C_6H_{11})_3SnOH$	13121-70-5	see Cyhexatin				
Tridymite	523	SiO_2	14808-60- 7	see Silica—Crystalline				
Triethylamine	581	$(C_2H_5)_3N$	121-44-8	2	8	3	12	[06]
Trifluorobromomethane	73	CF_3Br	75-63-8	1000	6100	1200	7300	
Trimanganese tetraoxide	381	Mn_3O_4	1317-35-7	see Manganese tetroxide				
Trimellitic anhydride	45	$C_9H_4O_5$	552-30-7	—	0,04	—	—	Sen
Trimethylamine	584	$(CH_3)_3N$	75-50-3	10	24	15	36	
Trimethylbenzene, all isomers or mixtures	585	$C_6H_3(CH_3)_3$	25551-13-7	25	123	—	—	
3,5,5-Trimethylcyclohex-2-enone	359	$C_9H_{14}O$	78-59-1	see Isophorone				
Trimethyl phosphite	586	$(CH_3O)_3P$	121-45-9	2	10	—	—	
2,4,6-Trinitrophenol	481	$(NO_2)C_6H_2OH$	88-89-1	see Picric acid				
2,4,6-Trinitrotoluene	550	$CH_3C_6H_2(NO_2)_3$	118-96-7	—	0,5	—	—	Sk
Triphenyl phosphate	587	$(C_6H_5O)_3PO_4$	115-86-6	—	3	—	6	
Tripoli	524	SiO_2	14808-60-7	see Silica—Crystalline				
Tri-*o*-toyl phosphate	580	$(CH_3C_6H_4O)_3P$=O	78-30-8	see Tri-o-cresyl phosphate				
Tungsten & compounds [as W]								
soluble	588	—	7440-33-7 (metal)	—	1	—	3	
insoluble	589			—	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_2O_5	1314-62-1	—	0,5	—	—	
fume & respirable paniculate	593			—	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_6H_5CH=CH_2	100-42-5	see *Styrene, monomer				
Vinyl bromide	70	CH_2=CHBr	593-60-2	5	20	—	—	
*Vinyl chloride	138	H_2C=CHCl	75-0-4	3	—	—	—	
4-Vinyl cyclohexene dioxide	265	$C_8H_{12}O_2$	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	$CH_2=CHC_6CH_3$	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, *o*-, *m*-, *p*- or mixed isomers	602	$C_6H_4(CH_3)_2$	1330-20-7	50	218	100	435	Sk [06]
Xylidine, all isomers	21	$(CH_3)_2C_6H_3NH_2$	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.