Apéndice A a la Subparte D de la parte 1926.55
Gases, Vapores, Humos, Polvos y Neblina

1970-Conferencia Americana de higienistas industriales gubernamentales de Concentración Máxima Permitida de Contaminantes en el aire.

Tabla de Concentración Máxima Permitida de Contaminantes en el aire para la Construcción.

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Abate; see Temephos				
Acetaldehyde	75-07-0	200	360	—
Acetic acid	64-19-7	10	25	—
Acetic anhydride	108-24-7	5	20	—
Acetone	67-64-1	1000	2400	—
Acetonitrile	75-05-8	40	70	—
2-Acetylaminofluorine; see §1926.1114	53-96-3			
Acetylene	74-86-2	E		
Acetylene dichloride; see 1,2-Dichloroethylene				
Acetylene tetrabromide	79-27-6	1	14	—
Acrolein	107-02-8	0.1	0.25	—
Acrylamide	79-06-1	—	0.3	X
Acrylonitrile; see §1926.1145	107-13-1			
Aldrin	309-00-2	—	0.25	X
Allyl alcohol	107-18-6	2	5	X

Substancia	No.[d] CAS	ppm[a]	mg/m[3] [b]	Designación De la piel
Allyl chloride	107-05-1	1	3	—
Allyl glycidyl ether (AGE)	106-92-3	(C)10	(C)45	—
Allyl propyl disulfide	2179-59-1	2	12	—
alpha-Alumina	1344-28-1			
Total dust		—		—
Respirable fraction		—		—
Alundum; see alpha-Alumina				
4-Aminodiphenyl; see §1926.1111	92-67-1			
2-Aminoethanol; see Ethanolamine				
2-Aminopyridine	504-29-0	0.5	2	—
Ammonia	7664-41-7	50	35	—
Ammonium sulfamate	7773-06-0			
Total dust		—	15	—
Respirable fraction		—	5	—
n-Amyl acetate	628-63-7	100	525	—
sec-Amyl acetate	626-38-0	125	650	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Aniline and homologs	62-53-3	5	19	X
Anisidine (o-, p-isomers)	29191-52-4	—	0.5	X
Antimony and compounds (as Sb)	7440-36-0	—	0.5	—
ANTU(alpha Naphthylthiourea)	86-88-4	—	0.3	—
Argon	7440-37-1	E		
Arsenic, inorganic compounds (as As); see §1926.1118	7440-38-2	—	—	—
Arsenic, organic compounds (as As)	7440-38-2	—	0.5	—
Arsine	7784-42-1	0.05	0.2	—
Asbestos; see §1926.58				
Azinphos-methyl	86-50-0	—	0.2	X
Barium, soluble compounds (as Ba)	7440-39-3	—	0.5	—
Benzene[g]; see §1926.1128	71-43-2			
Benzidine; see §1926.1110	92-87-5			
p-Benzoquinone; see Quinone				
Benzo(a)pyrene; see Coal tar pitch volatiles				
Benzoyl peroxide	94-36-0	—	5	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Benzyl chloride	100-44-7	1	5	—
Beryllium and beryllium compounds (as Be)	7440-41-7	—	0.002	—
Biphenyl; see Diphenyl				
Bisphenol A; see Diglycidyl ether				
Boron oxide	1303-86-2			
Total dust		—	15	—
Boron tribromide	10294-33-4	1	10	—
Boron trifluoride	7637-07-2	(C)1	(C)3	—
Bromine	7726-95-6	0.1	0.7	—
Bromine pentafluoride	7789-30-2	0.1	0.7	—
Bromoform	75-25-2	0.5	5	X
Butadiene (1,3-Butadiene); see 29 CFR 1910.1051; 29 CFR 1910.19(l)	106-99-0	STEL 1 ppm/5 ppm		—
Butanethiol; see Butyl mercaptan				
2-Butanone (Methyl ethyl ketone)	78-93-3	200	590	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
2-Butoxyethanol	111-76-2	50	240	X
n-Butyl-acetate	123-86-4	150	710	—
sec-Butyl acetate	105-46-4	200	950	—
tert-Butyl acetate	540-88-5	200	950	—
n-Butyl alcohol	71-36-3	100	300	—
sec-Butyl alcohol	78-92-2	150	450	—
tert-Butyl alcohol	75-65-0	100	300	—
Butylamine	109-73-9	(C)5	(C)15	X
tert-Butyl chromate (as CrO_3); see 1926.1126[n]	1189-85-1			
n-Butyl glycidyl ether (BGE)	2426-08-6	50	270	—
Butyl mercaptan	109-79-5	0.5	1.5	—
p-tert-Butyltoluene	98-51-1	10	60	—
Cadmium (as Cd); see 1926.1127	7440-43-9			
Calcium carbonate	1317-65-3			
Total dust		—		—
Respirable fraction		—		—
Calcium oxide	1305-78-8	—	5	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Calcium sulfate	7778-18-9			
Total dust		—	15	—
Respirable fraction		—	5	—
Camphor, synthetic	76-22-2	—	2	—
Carbaryl (Sevin)	63-25-2	—	5	—
Carbon black	1333-86-4	—	3.5	—
Carbon dioxide	124-38-9	5000	9000	—
Carbon disulfide	75-15-0	20	60	X
Carbon monoxide	630-08-0	50	55	—
Carbon tetrachloride	56-23-5	10	65	X
Cellulose	9004-34-6			
Total dust		—		—
Respirable fraction		—		—
Chlordane	57-74-9	—	0.5	X
Chlorinated camphene	8001-35-2	—	0.5	X
Chlorinated diphenyl oxide	55720-99-5	—	0.5	—
Chlorine	7782-50-5	1	3	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Chlorine dioxide	10049-04-4	0.1	0.3	
Chlorine trifluoride	7790-91-2	(C)0.1	(C)0.4	—
Chloroacetaldehyde	107-20-0	(C)1	(C)3	—
a-Chloroacetophenone (Phenacyl chloride)	532-27-4	0.05	0.3	—
Chlorobenzene	108-90-7	75	350	—
o-Chlorobenzylidene malononitrile	2698-41-1	0.05	0.4	—
Chlorobromomethane	74-97-5	200	1050	—
2-Chloro-1,3-butadiene; see beta-Chloroprene				
1-Chloro,2,3-epoxypropane; see Epichlorohydrin				
2-Chloroethanol; see Ethylene chlorohydrin				

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Chloroethylene; see Vinyl chloride				
Chloroform (Trichloromethane)	67-66-3	(C)50	(C)240	—
bis(Chloromethyl) ether; see §1926.1108	542-88-1			
Chloromethyl methyl ether; see §1926.1106	107-30-2			
1-Chloro-1-nitropropane	600-25-9	20	100	—
Chloropicrin	76-06-2	0.1	0.7	—
beta-Chloroprene	126-99-8	25	90	X
Chromium (II) compounds				
(as Cr)	7440-47-3	—	0.5	—
Chromium (III) compounds				
(as Cr)	7440-47-3	—	0.5	—
Chromium (VI) compounds; See 1926.1126[o]				
Chromium metal and insol. salts (as Cr)	7440-47-3	—	1	—
Chrysene; see Coal tar pitch volatiles				
Coal tar pitch volatiles (benzene soluble fraction), anthracene, BaP, phenanthrene, acridine, chrysene, pyrene	65996-93-2	—	0.2	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Cobalt metal, dust, and fume (as Co)	7440-48-4	—	0.1	—
Coke oven emissions; see §1926.1129				
Copper	7440-50-8			
Fume (as Cu)		—	0.1	—
Dusts and mists (as Cu)		—	1	—
Corundum; see Emery				
Cotton dust (raw)		—	1	
Crag herbicide (Sesone)	136-78-7			
Total dust		—		—
Respirable fraction		—		—
Cresol, all isomers	1319-77-3	5	22	X
Crotonaldehyde	123-73-9;	2	6	
	4170-30-3			
Cumene	98-82-8	50	245	X
Cyanides (as CN)	Varies with Compound	—	5	X
Cyanogen	460-19-5	10	—	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Cyclohexane	110-82-7	300	1050	—
Cyclohexanol	108-93-0	50	200	—
Cyclohexanone	108-94-1	50	200	—
Cyclohexene	110-83-8	300	1015	—
Cyclonite	121-82-4	—	1.5	X
Cyclopentadiene	542-92-7	75	200	—
DDT, see Dichlorodiphenyltrichloroethane				
DDVP, see Dichlorvos				
2,4-D (Dichlorophenoxyacetic acid)	94-75-7	—	10	—
Decaborane	17702-41-9	0.05	0.3	X
Demeton (Systox)	8065-48-3	—	0.1	X
Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)	123-42-2	50	240	—
1,2-Diaminoethane; see Ethylenediamine				
Diazomethane	334-88-3	0.2	0.4	—

Substancia	No.[d] CAS	ppm[a]	mg/m[3] [b]	Designación De la piel
Diborane	19287-45-7	0.1	0.1	—
1,2-Dibromo-3-chloropropane (DBCP); see §1926.1144	96-12-8			—
1,2-Dibromoethane; see Ethylene dibromide				
Dibutyl phosphate	107-66-4	1	5	—
Dibutyl phthalate	84-74-2	—	5	—
Dichloroacetylene	7572-29-4	(C)0.1	(C)0.4	—
o-Dichlorobenzene	95-50-1	(C)50	(C)300	—
p-Dichlorobenzene	106-46-7	75	450	—
3,3'-Dichlorobenzidine; see §1926.1107	91-94-1			
Dichlorodifluoromethane	75-71-8	1000	4950	—
1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5	—	0.2	—
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	—	1	X
1,1-Dichloroethane	75-34-3	100	400	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
1,2-Dichloroethane; see Ethylene dichloride				
1,2-Dichloroethylene	540-59-0	200	790	—
Dichloroethyl ether	111-44-4	(C)15	(C)90	X
Dichloromethane; see Methylene chloride				
Dichloromonofluoromethane	75-43-4	1000	4200	—
1,1-Dichloro-1-nitroethane	594-72-9	(C)10	(C)60	—
1,2-Dichloropropane; see Propylene dichloride				
Dichlorotetrafluoroethane	76-14-2	1000	7000	—
Dichlorvos (DDVP)	62-73-7	—	1	X
Dieldrin	60-57-1	—	0.25	X
Diethylamine	109-89-7	25	75	—
2-Diethylaminoethanol	100-37-8	10	50	X
Diethylene triamine	111-40-0	(C)10	(C)42	X
Diethyl ether; see Ethyl ether				
Difluorodibromomethane	75-61-6	100	860	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Diglycidyl ether (DGE)	2238-07-5	(C)0.5	(C)2.8	—
Dihydroxybenzene; see Hydroquinone				
Diisobutyl ketone	108-83-8	50	290	—
Diisopropylamine	108-18-9	5	20	X
4-Dimethylaminoazobenzene; see §1926.1115	60-11-7			
Dimethoxymethane; see Methylal				
Dimethyl acetamide	127-19-5	10	35	X
Dimethylamine	124-40-3	10	18	—
Dimethylaminobenzene; see Xylidine				
Dimethylaniline (N,N-Dimethylaniline)	121-69-7	5	25	X
Dimethylbenzene; see Xylene				
Dimethyl-1,2-dibromo-2,2-dichloroethyl phosphate	300-76-5	—	3	—
Dimethylformamide	68-12-2	10	30	X
2,6-Dimethyl-4-heptanone; see Diisobutyl ketone				
1,1-Dimethylhydrazine	57-14-7	0.5	1	X

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Dimethylphthalate	131-11-3	—	5	—
Dimethyl sulfate	77-78-3	1	5	X
Dinitrobenzene (all isomers)			1	X
(ortho)	528-29-0			
(meta)	99-65-0			
(para)	100-25-4			
Dinitro-o-cresol	534-52-1	—	0.2	X
Dinitrotoluene	25321-14-6	—	1.5	X
Dioxane (Diethylene dioxide)	123-91-1	100	360	X
Diphenyl (Biphenyl)	92-52-4	0.2	1	—
Diphenylamine	122-39-4	—	10	—
Diphenylmethane diisocyanate; see Methylene bisphenyl isocyanate				
Dipropylene glycol methyl ether	34590-94-8	100	600	X
Di-sec octyl phthalate (Di-(2-ethylhexyl) phthalate)	117-81-7	—	5	—
Emery	12415-34-8			
Total dust		—		—
Respirable fraction		—		—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Endosulfan	115-29-7	—	0.1	X
Endrin	72-20-8	—	0.1	X
Epichlorohydrin	106-89-8	5	19	X
EPN	2104-64-5	—	0.5	X
1,2-Epoxypropane; see Propylene oxide				
2,3-Epoxy-1-propanol; see Glycidol				
Ethane	74-84-0	E		
Ethanethiol; see Ethyl mercaptan				
Ethanolamine	141-43-5	3	6	—
2-Ethoxyethanol (Cellosolve)	110-80-5	200	740	X
2-Ethoxyethyl acetate (Cellosolve acetate)	111-15-9	100	540	X
Ethyl acetate	141-78-6	400	1400	—
Ethyl acrylate	140-88-5	25	100	X
Ethyl alcohol (Ethanol)	64-17-5	1000	1900	—
Ethylamine	75-04-7	10	18	—
Ethyl amyl ketone (5-Methyl-3-heptanone)	541-85-5	25	130	—
Ethyl benzene	100-41-4	100	435	—
Ethyl bromide	74-96-4	200	890	—
Ethyl butyl ketone (3-Heptanone)	106-35-4	50	230	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m[3] [b]	Designación De la piel
Ethyl chloride	75-00-3	1000	2600	—
Ethyl ether	60-29-7	400	1200	—
Ethyl formate	109-94-4	100	300	—
Ethyl mercaptan	75-08-1	0.5	1	—
Ethyl silicate	78-10-4	100	850	—
Ethylene	74-85-1	E		
Ethylene chlorohydrin	107-07-3	5	16	X
Ethylenediamine	107-15-3	10	25	—
Ethylene dibromide	106-93-4	(C)25	(C)190	X
Ethylene dichloride (1,2-Dichloroethane)	107-06-2	50	200	—
Ethylene glycol dinitrate	628-96-6	(C)0.2	(C)1	X
Ethylene glycol methyl acetate; see Methyl cellosolve acetate				
Ethyleneimine; see §1926.1112	151-56-4			
Ethylene oxide; see §1926.1147	75-21-8			
Ethylidene chloride; see 1,1-Dichloroethane				
N-Ethylmorpholine	100-74-3	20	94	X

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Ferbam	14484-64-1			
Total dust		—	15	—
Ferrovanadium dust	12604-58-9	—	1	—
Fibrous Glass				
Total dust				—
Respirable fraction		—		—
Fluorides (as F)	Varies with compound	—	2.5	—
Fluorine	7782-41-4	0.1	0.2	—
Fluorotrichloromethane (Trichlorofluoromethane)	75-69-4	1000	5600	—
Formaldehyde; see §1926.1148	50-00-0			
Formic acid	64-18-6	5	9	—
Furfural	98-01-1	5	20	X
Furfuryl alcohol	98-00-0	50	200	—
Gasoline	8006-61-9		A[3]	—
Glycerin (mist)	56-81-5			
Total dust		—		—
Respirable fraction		—		—
Glycidol	556-52-5	50	150	—
Glycol monoethyl ether; see 2-Ethoxyethanol				
Graphite, natural, respirable dust	7782-42-5	([2])	([2])	([2])

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Graphite, synthetic				
Total dust		—		—
Respirable fraction		—		—
Guthion; see Azinphos methyl				
Gypsum	13397-24-5			
Total dust		—		—
Respirable fraction		—		—
Hafnium	7440-58-6	—	0.5	—
Helium	7440-59-7	E		
Heptachlor	76-44-8	—	0.5	X
Heptane (n-Heptane)	142-82-5	500	2000	—
Hexachloroethane	67-72-1	1	10	X
Hexachloronaphthalene	1335-87-1	—	0.2	X
n-Hexane	110-54-3	500	1800	—
2-Hexanone (Methyl n-butyl ketone)	591-78-6	100	410	—
Hexone (Methyl isobutyl ketone)	108-10-1	100	410	—
sec-Hexyl acetate	108-84-9	50	300	—
Hydrazine	302-01-2	1	1.3	X

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Hydrogen	1333-74-0	E		
Hydrogen bromide	10035-10-6	3	10	—
Hydrogen chloride	7647-01-0	(C)5	(C)7	—
Hydrogen cyanide	74-90-8	10	11	X
Hydrogen fluoride (as F)	7664-39-3	3	2	—
Hydrogen peroxide	7722-84-1	1	1.4	—
Hydrogen selenide (as Se)	7783-07-5	0.05	.02	—
Hydrogen sulfide	7783-06-4	10	15	—
Hydroquinone	123-31-9	—	2	—
Indene	95-13-6	10	45	—
Indium and compounds (as In)	7440-74-6	—	0.1	—
Iodine	7553-56-2	(C)0.1	(C)1	—
Iron oxide fume	1309-37-1	—	10	—
Iron salts (soluble) (as Fe)	Varies with compound	—	1	—
Isoamyl acetate	123-92-2	100	525	—
Isoamyl alcohol (primary and secondary)	123-51-3	100	360	—
Isobutyl acetate	110-19-0	150	700	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Isobutyl alcohol	78-83-1	100	300	—
Isophorone	78-59-1	25	140	—
Isopropyl acetate	108-21-4	250	950	—
Isopropyl alcohol	67-63-0	400	980	—
Isopropylamine	75-31-0	5	12	—
Isopropyl ether	108-20-3	500	2100	—
Isopropyl glycidyl ether (IGE)	4016-14-2	50	240	—
Kaolin	1332-58-7			
Total dust		—		—
Respirable fraction		—		—
Ketene	463-51-4	0.5	0.9	—
Lead, inorganic (as Pb); see 1926.62	7439-92-1			
Limestone	1317-65-3			
Total dust		—		—
Respirable fraction		—		—
Lindane	58-89-9	—	0.5	X
Lithium hydride	7580-67-8	—	0.025	—
L.P.G. (Liquefied petroleum gas)	68476-85-7	1000	1800	

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Magnesite	546-93-0			
Total dust		—		—
Respirable fraction		—		—
Magnesium oxide fume	1309-48-4			
Total particulate		15	—	—
Malathion	121-75-5			
Total dust		—	15	X
Maleic anhydride	108-31-6	0.25		
Manganese compounds (as Mn)	7439-96-5	—	(C)5	—
Manganese fume (as Mn)	7439-96-5	—	(C)5	—
Marble	1317-65-3			
Total dust		—		—
Respirable fraction		—		—
Mercury (aryl and inorganic) (as Hg)	7439-97-6		0.1	X
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	—	0.01	X
Mercury (vapor) (as Hg)	7439-97-6	—	0.1	X
Mesityl oxide	141-79-7	25	100	—
Methane	74-82-8	E		
Methanethiol; see Methyl mercaptan				

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Methoxychlor	72-43-5			
Total dust		—	15	—
2-Methoxyethanol (Methyl cellosolve)	109-86-4	25	80	X
2-Methoxyethyl acetate (Methyl cellosolve acetate)	110-49-6	25	120	X
Methyl acetate	79-20-9	200	610	—
Methyl acetylene (Propyne)	74-99-7	1000	1650	—
Methyl acetylene-propadiene mixture (MAPP)		1000	1800	—
Methyl acrylate	96-33-3	10	35	X
Methylal (Dimethoxy-methane)	109-87-5	1000	3100	—
Methyl alcohol	67-56-1	200	260	—
Methylamine	74-89-5	10	12	—
Methyl amyl alcohol; see Methyl isobutyl carbinol				
Methyl n-amyl ketone	110-43-0	100	465	—
Methyl bromide	74-83-9	(C)20	(C)80	X
Methyl butyl ketone; see 2-Hexanone				
Methyl cellosolve; see 2-Methoxyethanol				
Methyl cellosolve acetate; see 2-Methoxyethyl acetate				
Methylene chloride; see §1910.1052				

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	350	1900	—
Methylcyclohexane	108-87-2	500	2000	—
Methylcyclohexanol	25639-42-3	100	470	—
o-Methylcyclohexanone	583-60-8	100	460	X
Methylene chloride	75-09-2	500	1740	—
Methylenedianiline (MDA)	101-77-9			
Methyl ethyl ketone (MEK); see 2-Butanone				
Methyl formate	107-31-3	100	250	—
Methyl hydrazine (Monomethyl hydrazine)	60-34-4	(C)0.2	(C)0.35	X
Methyl iodide	74-88-4	5	28	X
Methyl isoamyl ketone	110-12-3	100	475	—
Methyl isobutyl carbinol	108-11-2	25	100	X
Methyl isobutyl ketone; see Hexone				
Methyl isocyanate	624-83-9	0.02	0.05	X
Methyl mercaptan	74-93-1	0.5	1	—
Methyl methacrylate	80-62-6	100	410	—
Methyl propyl ketone; see 2-Pentanone				
Methyl silicate	681-84-5	(C)5	(C)30	—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
alpha-Methyl styrene	98-83-9	(C)100	(C)480	—
Methylene bisphenyl isocyanate (MDI)	101-68-8	(C)0.02	(C)0.2	—
Mica; see Silicates				
Molybdenum (as Mo)	7439-98-7			
Soluble compounds		—	5	—
Insoluble compounds				
Total dust		—	15	—
Monomethyl aniline	100-61-8	2	9	X
Monomethyl hydrazine; see Methyl hydrazine				
Morpholine	110-91-8	20	70	X
Naphtha (Coal tar)	8030-30-6	100	400	—
Naphthalene	91-20-3	10	50	—
alpha-Naphthylamine; see §1926.1104	134-32-7			
beta-Naphthylamine; see §1926.1109	91-59-8			—
Neon	7440-01-9	E		
Nickel carbonyl (as Ni)	13463-39-3	0.001	0.007	—
Nickel, metal and insoluble compounds (as Ni)	7440-02-0	—	1	—
Nickel, soluble compounds (as Ni)	7440-02-0	—	1	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Nicotine	54-11-5	—	0.5	X
Nitric acid	7697-37-2	2	5	—
Nitric oxide	10102-43-9	25	30	—
p-Nitroaniline	100-01-6	1	6	X
Nitrobenzene	98-95-3	1	5	X
p-Nitrochlorobenzene	100-00-5	—	1	X
4-Nitrodiphenyl; see §1926.1103	92-93-3			
Nitroethane	79-24-3	100	310	—
Nitrogen	7727-37-9	E		
Nitrogen dioxide	10102-44-0	(C)5	(C)9	—
Nitrogen trifluoride	7783-54-2	10	29	—
Nitroglycerin	55-63-0	(C)0.2	(C)2	X
Nitromethane	75-52-5	100	250	—
1-Nitropropane	108-03-2	25	90	—
2-Nitropropane	79-46-9	25	90	—
N-Nitrosodimethylamine; see §1926.1116	62-79-9			—
Nitrotoluene (all isomers)		5	30	X
o-isomer	88-72-2;			
m-isomer	99-08-1			
p-isomer	99-99-0			
Nitrotrichloromethane; see Chloropicrin				

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Nitrous oxide	10024-97-2	E		
Octachloronaphthalene	2234-13-1	—	0.1	X
Octane	111-65-9	400	1900	—
Oil mist, mineral	8012-95-1	—	5	—
Osmium tetroxide (as Os)	20816-12-0	—	0.002	—
Oxalic acid	144-62-7	—	1	—
Oxygen difluoride	7783-41-7	0.05	0.1	—
Ozone	10028-15-6	0.1	0.2	—
Paraquat, respirable dust	4685-14-7;	—	0.5	X
	1910-42-5;			
	2074-50-2			
Parathion	56-38-2	—	0.1	X
Particulates not otherwise regulated				
Total dust organic and inorganic		—	15	—
PCB; see Chlorodiphenyl (42% and 54% chlorine)				
Pentaborane	19624-22-7	0.005	0.01	—
Pentachloronaphthalene	1321-64-8	—	0.5	X
Pentachlorophenol	87-86-5	—	0.5	X

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Pentaerythritol	115-77-5			
Total dust		—		—
Respirable fraction		—		—
Pentane	109-66-0	500	1500	—
2-Pentanone (Methyl propyl ketone)	107-87-9	200	700	—
Perchloroethylene (Tetrachloroethylene)	127-18-4	100	670	—
Perchloromethyl mercaptan	594-42-3	0.1	0.8	—
Perchloryl fluoride	7616-94-6	3	13.5	—
Petroleum distillates (Naphtha)(Rubber Solvent)			A[3]	—
Phenol	108-95-2	5	19	X
p-Phenylene diamine	106-50-3	—	0.1	X
Phenyl ether, vapor	101-84-8	1	7	—
Phenylether-biphenyl mixture, vapor		1	7	—
Phenylethylene; see Styrene				
Phenyl glycidyl ether (PGE)	122-60-1	10	60	—
Phenylhydrazine	100-63-0	5	22	X
Phosdrin (Mevinphos)	7786-34-7	—	0.1	X

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Phosgene (Carbonyl chloride)	75-44-5	0.1	0.4	—
Phosphine	7803-51-2	0.3	0.4	—
Phosphoric acid	7664-38-2	—	1	—
Phosphorus (yellow)	7723-14-0	—	0.1	—
Phosphorus pentachloride	10026-13-8	—	1	—
Phosphorus pentasulfide	1314-80-3	—	1	—
Phosphorus trichloride	7719-12-2	0.5	3	—
Phthalic anhydride	85-44-9	2	12	—
Picric acid	88-89-1	—	0.1	X
Pindone (2-Pivalyl-1,3-indandione)	83-26-1	—	0.1	—
Plaster of Paris	26499-65-0			
Total dust		—		—
Respirable fraction		—		—
Platinum (as Pt)	7440-06-4			
Metal		—	—	—
Soluble salts		—	0.002	—
Polytetrafluoroethylene decomposition products			A[2]	
Portland cement	65997-15-1			
Total dust		—	15	—
Respirable fraction			5	—
Propane	74-98-6	E		

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Propargyl alcohol	107-19-7	1	—	X
beta-Propriolactone; see §1926.1113	57-57-8			
n-Propyl acetate	109-60-4	200	840	—
n-Propyl alcohol	71-23-8	200	500	—
n-Propyl nitrate	627-13-4	25	110	—
Propylene dichloride	78-87-5	75	350	—
Propylene imine	75-55-8	2	5	X
Propylene oxide	75-56-9	100	240	—
Propyne; see Methyl acetylene				
Pyrethrum	8003-34-7	—	5	—
Pyridine	110-86-1	5	15	—
Quinone	106-51-4	0.1	0.4	—
RDX; see Cyclonite				
Rhodium (as Rh), metal fume and insoluble compounds	7440-16-6	—	0.1	—
Rhodium (as Rh), soluble compounds	7440-16-6	—	0.001	—
Ronnel	299-84-3	—	10	—
Rotenone	83-79-4	—	5	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Rouge				
Total dust		—		—
Respirable fraction		—		—
Selenium compounds (as Se)	7782-49-2	—	0.2	—
Selenium hexafluoride (as Se)	7783-79-1	0.05	0.4	—
Silica, amorphous, precipitated and gel	112926-00-8	(²)	(²)	(²)
Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica	61790-53-2	(²)	(²)	(²)
Silica, crystalline cristobalite, respirable dust	14464-46-1	(²)	(²)	(²)
Silica, crystalline quartz, respirable dust	14808-60-7	(²)	(²)	(²)
Silica, crystalline tripoli (as quartz), respirable dust	1317-95-9	(²)	(²)	(²)
Silica, crystalline tridymite, respirable dust	15468-32-3	(²)	(²)	(²)
Silica, fused, respirable dust	60676-86-0	(²)	(²)	(²)
Silicates (less than 1% crystalline silica)				
Mica (respirable dust)	12001-26-2	(²)	(²)	(²)
Soapstone, total dust		(²)	(²)	(²)
Soapstone, respirable dust		(²)	(²)	(²)

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Talc (containing asbestos); use asbestos limit; see 1926.58				
Talc (containing no asbestos), respirable dust	14807-96-6	([2])	([2])	([2])
Tremolite, asbestiform; see 1926.58				
Silicon carbide	409-21-2			
Total dust		—		—
Respirable fraction		—		—
Silver, metal and soluble compounds (as Ag)	7440-22-4	—	0.01	—
Soapstone; see Silicates				
Sodium fluoroacetate	62-74-8	—	0.05	X
Sodium hydroxide	1310-73-2	—	2	—
Starch	9005-25-8			
Total dust		—		—
Respirable fraction		—		—
Stibine	7803-52-3	0.1	0.5	—
Stoddard solvent	8052-41-3	200	1150	—
Strychnine	57-24-9	—	0.15	—
Styrene	100-42-5	(C)100	(C)420	—

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Sucrose	57-50-1			
Total dust		—		—
Respirable fraction		—		—
Sulfur dioxide	7446-09-5	5	13	—
Sulfur hexafluoride	2551-62-4	1000	6000	—
Sulfuric acid	7664-93-9	—	1	—
Sulfur monochloride	10025-67-9	1	6	—
Sulfur pentafluoride	5714-22-7	0.025	0.25	—
Sulfuryl fluoride	2699-79-8	5	20	—
Systox, see Demeton				
2,4,5-T (2,4,5trichlorophenoxyacetic acid)	93-76-5	—	10	—
Talc; see Silicates —				
Tantalum, metal and oxide dust	7440-25-7	—	5	—
TEDP (Sulfotep)	3689-24-5	—	0.2	X
Teflon decomposition products			A2	
Tellurium and compounds (as Te)	13494-80-9	—	0.1	—
Tellurium hexafluoride (as Te)	7783-80-4	0.02	0.2	—
Temephos	3383-96-8			
Total dust		—		—
Respirable fraction		—		—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
TEPP (Tetraethyl pyrophosphate)	107-49-3	—	0.05	X
Terphenyls	26140-60-3	(C)1	(C)9	—
1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9	500	4170	—
1,1,2,2-Tetrachloro-1,2-difluoroethane	76-12-0	500	4170	—
1,1,2,2-Tetrachloroethane	79-34-5	5	35	X
Tetrachloroethylene; see Perchloroethylene				
Tetrachloromethane; see Carbon tetrachloride				
Tetrachloronaphthalene	1335-88-2	—	2	X
Tetraethyl lead (as Pb)	78-00-2	—	0.1	X
Tetrahydrofuran	109-99-9	200	590	—
Tetramethyl lead, (as Pb)	75-74-1	—	0.15	X
Tetramethyl succinonitrile	3333-52-6	0.5	3	X
Tetranitromethane	509-14-8	1	8	—
Tetryl (2,4,6-Trinitrophenylmethylnitramine)	479-45-8	—	1.5	X
Thallium, soluble compounds (as Tl)	7440-28-0	—	0.1	X
Thiram	137-26-8	—	5	—
Tin, inorganic compounds (except oxides) (as Sn)	7440-31-5	—	2	—
Tin, organic compounds (as Sn)	7440-31-5	—	0.1	—
Tin oxide (as Sn)	21651-19-4	—	—	—
Total dust		—		—
Respirable fraction		—		—

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Titanium dioxide	13463-67-7			
Total dust		—		—
Toluene	108-88-3	200	750	—
Toluene-2,4-diisocyanate (TDI)	584-84-9	(C)0.02	(C)0.14	—
o-Toluidine	95-53-4	5	22	X
Toxaphene; see Chlorinated camphene				
Tremolite; see Silicates				
Tributyl phosphate	126-73-8	—	5	—
1,1,1-Trichloroethane; see Methyl chloroform				
1,1,2-Trichloroethane	79-00-5	10	45	X
Trichloroethylene	79-01-6	100	535	—
Trichloromethane; see Chloroform				
Trichloronaphthalene	1321-65-9	—	5	X
1,2,3-Trichloropropane	96-18-4	50	300	—
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1000	7600	—
Triethylamine	121-44-8	25	100	—
Trifluorobromomethane	75-63-8	1000	6100	—
Trimethyl benzene	25551-13-7	25	120	—
2,4,6-Trinitrophenol; see Picric acid				
2,4,6 Trinitrophenylmethylnitramine; see Tetryl				

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
2,4,6-Trinitrotoluene (TNT)	118-96-7	—	1.5	X
Triorthocresyl phosphate	78-30-8	—	0.1	—
Triphenyl phosphate	115-86-6	—	3	—
Tungsten (as W)	7440-33-7			
Insoluble compounds		—	5	—
Soluble compounds		—	1	—
Turpentine	8006-64-2	100	560	—
Uranium (as U)	7440-61-1			
Soluble compounds		—	0.2	—
Insoluble compounds		—	0.2	—
Vanadium	1314-62-1			
Respirable dust (as V_2O_5)		—	(C) 0.5	—
Fume (as V_2O_5)		—	(C) 0.1	—
Vegetable oil mist				
Total dust		—		—
Respirable fraction		—		—
Vinyl benzene; see Styrene				
Vinyl chloride; see §1926.1117	75-01-4			
Vinyl cyanide; see Acrylonitrile				

Substancia	No.[d] CAS	ppm[a]	mg/m^3 [b]	Designación De la piel
Vinyl toluene	25013-15-4	100	480	—
Warfarin	81-81-2	—	0.1	—
Xylenes (o-, m-, p-isomers)	1330-20-7	100	435	—
Xylidine	1300-73-8	5	25	X
Yttrium	7440-65-5	—	1	—
Zinc chloride fume	7646-85-7	—	1	—
Zinc oxide fume	1314-13-2	—	5	—
Zinc oxide	1314-13-2			
Total dust		—	15	—
Respirable fraction		—	5	—
Zirconium compounds (as Zr)	7440-67-7	—	5	

Subparte-D	Controles Ocupacionales de Salud y Medio Ambiente

Tabla de Polvos Minerales

Substancia	mppcf[j]
SILICA:	
Crystalline	
Quartz. Threshold Limit calculated from the formula	250[k] %SiO_2+5
Cristobalite	
Amorphous, including natural diatomaceous earth	20
SILICATES (less than 1% crystalline silica)	
Mica	20
Portland cement	50
Soapstone	20
Talc (non-asbestiform)	20
Talc (fibrous), use asbestos limit	—
Graphite (natural)	15
Inert or Nuisance Particulates:[m]	50 (or 15 mg/m³ whichever is the smaller) of total dust <1% SiO_2
[Inert or Nuisance Dusts includes all mineral, inorganic, and organic dusts as indicated by examples in TLV's appendix D]	
Conversion factors	
mppcf×35.3 = million particles per cubic meter = particles per c.c.	

Notas al final:

[1] [Reservado]

[2] Ver Tabla de Polvos Minerales

[3] Utilice Límite asbesto § 1926.58.

[4] Ver la sección 1926.58

* Los PEL TWA son de 8 horas a menos que se indique otra cosa; un (C) denota un límite máximo.

** Como determinó a partir de muestras de aire de zona de respiración.

[unas] partes de vapor o gas por millón de partes de aire contaminado en volumen a 25 ° C y 760 torr.

[b] Miligramos de sustancia por metro cúbico de aire. Cuando la entrada se encuentra solamente en esta columna, el valor es exacto; cuando esta enlistada con una entrada de ppm, es aproximada.

[c] [Reservado]

[d] El número CAS es sólo para información. La ejecución se basa en el nombre de la sustancia. Para una entrada que cubra más de un compuesto de metal, medida como el metal, se da el número CAS para el metal - no números CAS para los compuestos individuales.

[ef] [Reservado]

[g] Por sectores excluidos de § 1926.1128, el límite es de 10 ppm de TWA.

[hi] [Reservado]

[j] Millones de partículas por pie cúbico de aire, a partir de muestras impinger contados mediante técnicas de luz de campo.

[k] El porcentaje de sílice cristalina en la fórmula es la cantidad determinada en muestras de aire, excepto en aquellos casos en los que se han mostrado otros métodos que sean aplicables.

[l] [Reservado]

[m] Cubre todas las partículas orgánicas e inorgánicas que no se regulan de otra. Igual Partículas no está reglamentado.

[n] Si el límite de exposición en § 1926.1126 está suspendido o de otro modo no está en efecto, el límite de exposición es un límite máximo de 0,1 mg / m³.

[o] Si el límite de exposición en § 1926.1126 está suspendido o de otro modo no está en efecto, el límite de exposición es de 0,1 mg / m³ (como CrO3) como un TWA de 8 horas.

El TLV 1970 utiliza designaciones de letras en lugar de un valor numérico de la siguiente manera:

A [1] [Reservado]

A[2] Productos de descomposición politetrafluoroetileno. Debido a que estos productos se descomponen en parte por hidrólisis en solución alcalina, que se pueden determinar cuantitativamente en el aire como fluoruro para proporcionar un índice de la exposición. El TLV no se recomienda para la determinación pendiente de la toxicidad de los productos, pero las concentraciones de aire deben ser mínimas.

A Gasolina [3] y / o destilados de petróleo. La composición de estos materiales varían en gran medida y por lo tanto un solo TLV para todos los tipos de estos materiales ya no es aplicable. El contenido de benceno, otros compuestos aromáticos y aditivos debe ser determinado para llegar a la TLV apropiada.

E asfixiantes simples. El factor limitante es el oxígeno disponible, que será de al menos el 19,5% y estar dentro de los requisitos de direccionamiento explosión en la parte 1926.