

Substances	CAS No.	TWA		STEL ^C		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(48) Benzoyl peroxide	94-36-0	-	5	-	-	-	-	-
(49) Benzyl chloride	100-44-7	1	5	-	-	-	-	-
(50) Beryllium and beryllium compounds (as Be)	7440-41-7	0.002	-	0.005	-	0.025	-	-
(51) Biphenyl; see Diphenyl bismuth telluride, undoped	1304-82-1	-	-	-	-	-	-	-
Total dust		-	15	-	-	-	-	-
Respirable fraction		-	5	-	-	-	-	-
(52) Bismuth telluride, Se-doped		-	5	-	-	-	-	-
(53) Borates, tetra, sodium salts								
(54) Anhydrous	1330-43-4	-	10	-	-	-	-	-
(55) Decahydrate	1303-96-4	-	10	-	-	-	-	-
(56) Pentahydrate	12179-04-3	-	10	-	-	-	-	-
(57) Boron oxide	1303-86-2	-	-	-	-	-	-	-
Total dust		-	10	-	-	-	-	-
Respirable fraction		-	5	-	-	-	-	-
(58) Boron tribromide	10294-33-4	-	-	-	-	1	10	-
(59) Boron trifluoride	7637-07-2	-	-	-	-	1	3	-
(60) Bromacil	314-40-9	1	10	-	-	-	-	-
(61) Bromine	7726-95-6	0.1	0.7	0.3	2	-	-	-
(62) Bromine pentafluoride	7789-30-2	0.1	0.7	-	-	-	-	-
(63) Bromoform	75-25-2	0.5	5	-	-	-	-	X
(64) Butadiene (1, 3-Butadiene): See 29 C.F.R. 1910.1051, 29 C.F.R. 1910.19(l)	106-99-0	1	-	5	-	-	-	-
(65) Butane	106-97-8	800	1900	-	-	-	-	-
(66) Butanethiol; see Butyl mercaptan								
(67) 2-Butanone (Methyl ethyl ketone)	78-93-3	200	590	300	885	-	-	-
(68) 2-Butoxyethanol	111-76-2	25	120	-	-	-	-	X
(69) n-Butyl acetate	123-86-4	150	710	200	950	-	-	-
(70) sec-Butyl acetate	105-46-4	200	950	-	-	-	-	-
(71) tert-Butyl acetate	540-88-5	200	950	-	-	-	-	-
(72) Butyl acrylate	141-32-2	10	55	-	-	-	-	-
(73) n-Butyl alcohol	71-36-3	-	-	-	-	50	150	X

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(74) sec-Butyl alcohol	78-92-2	100	305	-	-	-	-	-
(75) tert-Butyl alcohol	75-85-0	100	300	150	450	-	-	-
(76) Butylamine	109-73-9	-	-	-	-	-	15	X
(77) tert-Butyl chromate (as CrO ₃)	1189-85-1	-	-	-	-	-	0.1	X
(78) n-Butyl glycidyl ether (BGE)	2426-08-6	25	135	-	-	-	-	-
(79) n-Butyl lactate	138-22-7	5	25	-	-	-	-	-
(80) Butyl mercaptan	109-79-5	0.5	1.5	-	-	-	-	-
(81) o-sec-Butylphenol	89-72-5	5	30	-	-	-	-	X
(82) p-tert-Butyltoluene	98-51-1	10	60	20	120	-	-	-
(83) Cadmium (as Cd) See 29 C.F.R. 1910.1027 and Table Z-2 in 29 C.F.R. 1910.1000 as it pertains to Cadmium	7440-43-9							
(84) Repealed 10/4/97								
(85) Calcium carbonate Total dust Respirable fraction	1317-85-3	- -	15 5	- -	- -	- -	- -	- -
(86) Calcium cyanamide	156-82-7	-	0.5	-	-	-	-	-
(87) Calcium hydroxide	1305-62-0	-	5	-	-	-	-	-
(88) Calcium oxide	1305-78-8	-	5	-	-	-	-	-
(89) Calcium silicate Total dust Respirable fraction	1344-95-2	- -	15 5	- -	- -	- -	- -	- -
(90) Calcium sulfate Total dust Respirable fraction	7778-18-9	- -	15 5	- -	- -	- -	- -	- -
(91) Camphor, synthetic	76-22-2	-	2	-	-	-	-	-
(92) Caprolactam Dust Vapor	105-60-2	- 5	1 20	- 10	3 40	- -	- -	- -
(93) Captisol (Diolefin [®])	2425-06-1	-	0.1	-	-	-	-	-
(94) Captan	133-06-2	-	5	-	-	-	-	-
(95) Carbaryl (Sevin [®])	63-25-2	-	5	-	-	-	-	-
(96) Carbofuran (Furadan [®])	1563-86-2	-	0.1	-	-	-	-	-
(97) Carbon black	1333-86-4	-	3.5	-	-	-	-	-
(98) Carbon dioxide	124-38-9	10,000	18,000	30,000	54,000	-	-	-

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(126) Chloroform (Trichloromethane)	67-66-3	2	9.78	-	-	-	-	-
(127) bis(Chloromethyl) ether; see 29 C.F.R. 1910.1008	542-88-1							
(128) Chloromethyl methyl ether; see 29 C.F.R. 1910.1008	107-30-2							
(129) 1-Chloro-1-nitropropane	800-25-9	2	10	-	-	-	-	-
(130) Chloropentafluoroethane	76-15-3	1000	6320	-	-	-	-	-
(131) Chloropicrin	76-06-2	0.1	0.7	-	-	-	-	X
(132) beta-Chloroprene	126-99-8	10	35	-	-	-	-	X
(133) o-Chlorostyrene	2039-87-4	50	285	75	430	-	-	-
(134) o-Chlorotoluene	95-49-8	50	250	-	-	-	-	-
(135) 2-Chloro-6-trichloromethyl pyridine Total dust Respirable fraction	1929-82-4	-	15 5	-	-	-	-	-
(136) Chlorpyrifos	2921-88-2	-	0.2	-	-	-	-	X
(137) Chromic acid and chromates (as CrO ₃)	Varies with compound	-	-	-	-	0.1	-	-
(138) Chromium (II) compounds (as Cr)	Varies with compound	-	0.5	-	-	-	-	-
(139) Chromium (III) compounds (as Cr)	Varies with compound	-	0.5	-	-	-	-	-
(140) Chromium metal (as Cr)	7440-47-3	-	1	-	-	-	-	-
(141) Chrysene; see Coal tar pitch volatiles	218-01-9							
(142) Clopidol Total dust Respirable fraction	2971-90-8	-	15 5	-	-	-	-	-
(143) Coal dust (less than 5% SiO ₂), Respirable quartz fraction			2	-	-	-	-	-
(144) Coal dust (greater than or equal to 5% SiO ₂), Respirable quartz fraction			0.1	-	-	-	-	-
(145) Coal tar pitch volatiles (benzene soluble fraction), anthracene, BaP, phenanthrene, acridine, chrysene, pyrene	8007-45-2	-	0.2	-	-	-	-	-

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(146) Cobalt metal, dust, and fume (as Co)	7440-48-4	-	0.05	-	-	-	-	-
(147) Cobalt carbonyl (as Co)	10210-68-1	-	0.1	-	-	-	-	-
(148) Cobalt hydrocarbonyl (as Co)	16642-03-8	-	0.1	-	-	-	-	-
(149) Coke oven emissions; see 29 C.F.R. 1910.1029								
(150) Copper Fume (as Cu) Dusts and mists (as Cu)	7440-50-8	- -	0.1 1	- -	- -	- -	- -	- -
(151) Cotton dust (raw).	--	1	-	-	-	-	-	-
(152) This 8-hour TWA applies to respirable dust as measured by a vertical elutriator cotton dust sampler or equivalent instrument. The time-weighted average applies to the cotton waste processing operations of waste recycling (sorting, blending, cleaning, and wilowing) and ginning. See also 29 C.F.R.1910.1043 for cotton dust limits applicable to other sectors.								
(153) Crag herbicide (Sesone) Total dust Respirable fraction	136-78-7	- -	10 5	- -	- -	- -	- -	- -
(154) Cresol, all isomers	1319-77-3; 95-48-7; 108-39-4; 106-44-5	5	22	-	-	-	-	X
(155) Crotonaldehyde	123-73-9; 4170-30-3	2	6	-	-	-	-	-
(156) Crutomate	299-86-5	-	5	-	-	-	-	-
(157) Cumene	98-82-8	50	245	-	-	-	-	X
(158) Cyanamide	420-04-2	-	2	-	-	-	-	-
(159) Cyanides (as CN)	151-50-8	-	5	-	-	-	-	-
(160) Cyanogen	480-19-5	10	20	-	-	-	-	-
(161) Cyanogen chloride	506-77-4	-	-	-	-	0.3	0.6	-
(162) Cyclohexane	110-82-7	300	1050	-	-	-	-	-
(163) Cyclohexanol	108-93-0	50	200	-	-	-	-	X
(164) Cyclohexanone	108-94-1	25	100	-	-	-	-	X
(165) Cyclohexene	110-83-8	300	1015	-	-	-	-	-
(166) Cyclohexylamine	108-91-8	10	40	-	-	-	-	-
(167) Cyclonite	121-82-4	-	1.5	-	-	-	-	X

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(222) Dimethylaniline (N-Dimethylaniline)	121-66-7	5	25	10	50	-	-	X
(223) Dimethylbenzene: see Xylene								
(224) Dimethyl-1,2-dibromo-2,2-dichloroethylphosphate	300-76-5	-	3	-	-	-	-	X
(225) Dimethylformamide	68-12-2	10	30	-	-	-	-	X
(226) 2,6-Dimethyl-4-heptanone: see Diisobutyl ketone								
(227) 1,1-Dimethylhydrazine	57-14-7	0.5	1	-	-	-	-	X
(228) Dimethylphthalate	131-11-3	-	5	-	-	-	-	-
(229) Dimethyl sulfate	77-78-1	0.1	0.5	-	-	-	-	X
(230) Dinacrylate (3,5-Diaceto-o-toluamide)	148-01-6	-	5	-	-	-	-	-
(231) Dinitrobenzene (all isomers)	528-29-0 99-85-0 100-25-4	-	1	-	-	-	-	X
(232) Dinitro-o-cresol	534-52-1	-	0.2	-	-	-	-	X
(233) Dinitrotoluene	121-14-2	-	1.5	-	-	-	-	X
(234) Dioxane (Diethylene dioxide)	123-91-1	25	90	-	-	-	-	X
(235) Dioxathion (Dehav)	78-34-2	-	0.2	-	-	-	-	X
(236) Diphenyl (Biphenyl)	92-52-4	0.2	1	-	-	-	-	-
(237) Diphenylamine	122-39-4	-	10	-	-	-	-	-
(238) Diphenylmethane diisocyanate: see Methylenediisocyanate								
(239) Dipropylene glycol methyl ether	34590-94-8	100	600	150	900	-	-	X
(240) Dipropyl ketone	123-19-3	50	235	-	-	-	-	-
(241) Diquat	85-00-7	-	0.5	-	-	-	-	-
(242) Di-sec octyl phthalate (Di-2-Ethylhexylphthalate)	117-81-7	-	5	-	10	-	-	-
(243) Diulfiram	97-77-6	-	2	-	-	-	-	-
(244) Disulfoton	296-04-4	-	0.1	-	-	-	-	X
(245) 2,6-Di-tert-butyl-p-cresol	128-37-0	-	10	-	-	-	-	-
(246) Duroton	330-54-1	-	10	-	-	-	-	-
(247) Divinyl benzene	106-57-6	10	50	-	-	-	-	-

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(248) Emery Total dust Respirable fraction	112-62-9	-	10 5	-	-	-	-	-
(249) Endosulfan	115-29-7	-	0.1	-	-	-	-	X
(250) Endrin	72-20-8	-	0.1	-	-	-	-	X
(251) Epichlorohydrin	106-89-8	2	8	-	-	-	-	X
(252) EPN	2104-84-5	-	0.5	-	-	-	-	X
(253) 1,2-Epoxypropane; see Propylene oxide								
(254) 2,3-Epoxy-1-propanol; see Glycidol								
(255) Ethanethiol; see Ethyl mercaptan								
(256) Ethanolamine	141-43-5	3	8	6	15	-	-	-
(257) Ethion	563-12-2	-	0.4	-	-	-	-	X
(258) 2-Ethoxyethanol	110-80-5	200	740					X
(259) 2-Ethoxyethyl acetate (Cellulosolve acetate)	111-15-9	100	540					X
(260) Ethyl acetate	141-78-6	400	1400	-	-	-	-	-
(261) Ethyl acrylate	140-88-5	5	20	25	100	-	-	X
(262) Ethyl alcohol (Ethanol)	64-17-5	1000	1900	-	-	-	-	-
(263) Ethylamine	75-04-7	10	18	-	-	-	-	-
(264) Ethyl amyl ketone (5-Methyl-3-heptanone)	106-68-3	25	130	-	-	-	-	-
(265) Ethyl benzene	100-41-4	100	435	125	545	-	-	-
(266) Ethyl bromide	74-96-4	200	890	250	1110	-	-	-
(267) Ethyl butyl ketone (3-Heptanone)	106-35-4	50	230	-	-	-	-	-
(268) Ethyl chloride	75-00-3	1000	2600	-	-	-	-	-
(269) Ethyl ether	60-29-7	400	1200	500	1500	-	-	-
(270) Ethyl formate	109-94-4	100	300	-	-	-	-	-
(271) Ethyl mercaptan	75-08-1	0.5	1	-	-	-	-	-
(272) Ethyl silicate	78-10-4	10	85	-	-	-	-	-
(273) Ethylene chlorohydrin	107-07-3	-	-	-	-	1	3	X
(274) Ethylenediamine	107-15-3	10	25	-	-	-	-	-
(275) Ethylene dibromide	106-93-4			See Table 2				

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(276) Ethylene dichloride	107-06-2	1	4	2	8	-	-	-
(277) Ethylene glycol	107-21-1	--	-	-	-	50	125	-
(278) Ethylene glycol dinitrate	628-96-6	-	-	-	0.1	-	-	X
(279) Ethylene glycol methyl acetate; see Methyl cellosolve acetate								
(280) Ethylenimine; see 29 C.F.R. 1910.1012	151-56-4							
(281) Ethylene oxide; see 29 C.F.R. 1910.1047	75-21-8	See 29 C.F.R. 1910.1047(a)(2) for operations excluded.						
(282) Ethylidene chloride; see 1,1-Dichloroethane								
(283) Ethylidene norbornene	16219-75-3	-	-	-	-	5	25	-
(284) N-Ethylmorpholine	100-74-3	5	23	-	-	-	-	X
(285) Fenamiphos	22224-92-6	-	0.1	-	-	-	-	X
(286) Fensulfothion (Dasanit)	115-90-2	-	0.1	-	-	-	-	-
(287) Fenthion	55-38-9	-	0.2	-	-	-	-	X
(288) Ferbam Total dust Respirable fraction	14484-64-1	-	10 5	-	-	-	-	-
(289) Ferrovandium dust	12604-58-9	-	1	-	3	-	-	-
(290) Fluorides (as F)	Varies with compound	2.5	-	-	-	-	-	-
(291) Fluorine	7782-41-4	0.1	0.2	-	-	-	-	-
(292) Fluorotrichloromethane (Trichlorofluoromethane)	75-69-4	-	-	-	-	1000	5600	-
(293) Fonofos	944-22-9	-	0.1	-	-	-	-	X
(294) Formaldehyde; see 29 C.F.R. 1910.1048	50-00-0							
(295) Formamide	75-12-7	20	30	30	45	-	-	-
(296) Formic acid	64-18-6	5	9	-	-	-	-	-
(297) Furfural	98-01-1	2	8	-	-	-	-	X
(298) Furfuryl alcohol	98-00-0	10	40	15	60	-	-	X
(299) Gasoline	8006-61-9	300	900	500	1500	-	-	-
(300) Germanium tetrahydride	7782-65-2	0.2	0.6	-	-	-	-	-
(301) Glutaraldehyde	111-30-8	-	-	-	-	0.2	0.8	-

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(302) Glycerin (mist) Total dust Respirable fraction	56-81-5	-	10 5	-	-	-	-	-
(303) Glycidol	556-52-5	25	75	-	-	-	-	-
(304) Glycol monoethyl ether; see 2-Ethoxyethanol								
(305) Grain dust (oat, wheat, barley)	---	10	-	-	-	-	-	-
(306) Graphite, natural Respirable dust	7782-42-5	-	2.5	-	-	-	-	-
(307) Graphite, synthetic Total dust Respirable fraction	--	-	10 5	-	-	-	-	-
(308) Guthion ^R ; see Azinphos methyl								
(309) Gypsum Total dust Respirable fraction	7778-18-9	-	15 5	-	-	-	-	-
(310) Hafnium	7440-58-6	-	0.5	-	-	-	-	-
(311) Heptachlor	76-44-8	-	0.5	-	-	-	-	X
(312) Heptane (n-Heptane)	142-82-5	400	1600	500	2000	-	-	-
(313) Hexachlorobutadiene	87-68-3	0.02	0.24	-	-	-	-	-
(314) Hexachlorocyclopentadiene	77-47-4	0.01	0.1	-	-	-	-	-
(315) Hexachloroethane	67-72-1	1	10	-	-	-	-	X
(316) Hexachloronaphthalene	1335-87-1	-	0.2	-	-	-	-	X
(317) Hexafluoroacetone	684-16-2	0.1	0.7	-	-	-	-	X
(318) n-Hexane	110-54-3	50	180	-	-	-	-	-
(319) Hexane isomers	Varies with compound	500	1800	1000	3600	-	-	-
(320) 2-Hexanone (Methyl n-butyl ketone)	591-78-6	5	20	-	-	-	-	-
(321) Hexone (Methyl isobutyl ketone)	108-10-1	50	205	75	300	-	-	-
(322) sec-Hexyl acetate	108-84-9	50	300	-	-	-	-	-
(323) Hexylene glycol	107-41-5	-	-	-	-	25	125	-
(324) Hydrazine	302-01-2	0.1	0.1	-	-	-	-	X
(325) Hydrogenated terphenyls	61788-32-7	0.5	5	-	-	-	-	-
(326) Hydrogen bromide	10035-10-6	-	-	-	-	3	10	-

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		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(327) Hydrogen chloride	7647-01-0	-	-	-	-	5	7	-
(328) Hydrogen cyanide	74-90-8	-	-	4.7	5	-	-	X
(329) Hydrogen fluoride (as F)	7664-39-3	3	-	6	-	-	-	-
(330) Hydrogen peroxide	7722-84-1	1	1.4	-	-	-	-	-
(331) Hydrogen selenide (as Se)	7783-07-5	0.05	0.2	-	-	-	-	-
(332) Hydrogen sulfide	7783-06-4	10	14	15	21	-	-	-
(333) Hydroquinone	123-31-9	-	2	-	-	-	-	-
(334) 2-Hydroxypropyl acrylate	999-81-1	0.5	3	-	-	-	-	X
(335) Indene	95-13-6	10	45	-	-	-	-	-
(336) Indium and compounds (as In)	7440-74-6	-	0.1	-	-	-	-	-
(337) Iodine	7553-56-2	-	-	-	-	0.1	1	-
(338) Iodoform	75-47-8	0.6	10	-	-	-	-	-
(339) Iron oxide dust and fume (as Fe) Total particulate	1309-37-1	-	10	-	-	-	-	-
(340) Iron pentacarbonyl (as Fe)	13463-40-6	0.1	0.8	0.2	1.6	-	-	-
(341) Iron salts (soluble) (as Fe)	Varies with compound	-	1	-	-	-	-	-
(342) Isoamyl acetate	123-92-2	100	525	-	-	-	-	-
(343) Isoamyl alcohol (primary and secondary)	123-51-3	100	360	125	450	-	-	-
(344) Isobutyl acetate	110-19-0	150	700	-	-	-	-	-
(345) Isobutyl alcohol	78-83-1	50	150	-	-	-	-	-
(346) Isooctyl alcohol	26952-21-6	50	270	-	-	-	-	X
(347) Isophorone	78-59-1	4	23	-	-	-	-	-
(348) Isophorone diisocyanate	4098-71-9	0.005	-	0.02	-	-	-	X
(349) 2-Isopropoxyethanol	109-59-1	25	105	-	-	-	-	-
(350) Isopropyl acetate	108-21-4	250	950	310	1185	0	0	0
(351) Isopropyl alcohol	67-63-0	400	980	500	1225	-	-	-
(352) Isopropylamine	75-31-0	5	12	10	24	-	-	-
(353) n-Isopropylaniline	788-52-5	2	10	-	-	-	-	X

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Desq: nation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(354) Isopropyl ether	108-20-3	500	2100	-	-	-	-	-
(355) Isopropyl glycidyl ether (IGE)	4016-14-2	50	240	75	360	-	-	-
(356) Kaolin Total dust Respirable fraction	-	-	10 5	-	-	-	-	-
(357) Ketene	463-51-4	0.5	0.9	1.5	3	-	-	-
(358) Lead inorganic (as Pb); see 29 C.F.R.1910.1025	7439-92-1	-	-	-	-	-	-	-
(359) Limestone Total dust Respirable fraction	1317-67-3	-	15 5	-	-	-	-	-
(360) Lindane	58-89-9	-	0.5	-	-	-	-	X
(361) Lithium hydride	7580-67-8	-	0.025	-	-	-	-	-
(362) L.P.G. (Liquefied petroleum gas)	68476-85-7	1000	1800	-	-	-	-	-
(363) Magnesite Total dust Respirable fraction	546-93-0	-	15 5	-	-	-	-	-
(364) Magnesium oxide fume Total dust Respirable fraction	1309-48-4	-	10 5	-	-	-	-	-
(365) Malathion Total dust Respirable fraction	121-75-5	-	10 5	-	-	-	-	X X
(366) Maleic anhydride	108-31-6	0.25	1	-	-	-	-	-
(367) Manganese compounds (as Mn)	7439-96-5	-	-	-	-	-	5	-
(368) Manganese fume (as Mn)	7439-96-5	-	1	-	3	-	-	-
(369) Manganese cyclopentadienyl tetracarbonyl (as Mn)	12079-65-1	-	0.1	-	-	-	-	X
(370) Manganese tetroxide (as Mn)	1317-35-7	-	1	-	-	-	-	-
(371) Marble Total dust Respirable fraction	1317-85-3	-	15 5	-	-	-	-	-
(372) Mercury (aryl and inorganic) (as Hg)	7439-97-6	-	-	-	-	-	0.1	X
(373) Mercury (organic) alkyl compounds (as Hg)	7439-97-6	-	0.01	-	0.03	-	-	X

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(374) Mercury (vapor) (as Hg)	7439-97-6	-	0.05	-	-	-	-	X
(375) Mesityl oxide	141-79-7	15	60	25	100	-	-	-
(376) Methacrylic acid	79-41-4	20	70	-	-	-	-	X
(377) Methanethiol, see Methyl mercaptan								
(378) Methomyl (Lannate)	16752-77-5	-	2.5	-	-	-	-	-
(379) Methoxychlor Total dust Respirable fraction	72-43-5	-	10 5	-	-	-	-	-
(380) 2-Methoxyethanol, see Methyl cellosolve	150-76-5	-	5	-	-	-	-	-
(381) Methyl acetate	79-20-9	200	810	250	760	-	-	-
(382) Methyl acetylene (Propyne)	74-99-7	1000	1650	-	-	-	-	-
(383) Methyl acetylene-propadiene mixture (MAPP)		1000	1800	1250	2250	-	-	-
(384) Methyl acrylate	96-33-3	10	35	-	-	-	-	X
(385) Methylacrylonitrile	126-98-7	1	3	-	-	-	-	X
(386) Methylal (Dimethoxymethane)	109-87-5	1000	3100	-	-	-	-	-
(387) Methyl alcohol	67-56-1	200	260	250	310	-	-	X
(388) Methylamine	74-89-5	10	12	-	-	-	-	-
(389) Methyl amyl alcohol, see Methyl isobutyl carbinol								
(390) Methyl n-amyl ketone	110-43-0	100	465	-	-	-	-	-
(391) Methyl bromide	74-83-9	5	20	-	-	-	-	X
(392) Methyl butyl ketone, see 2-Hexanone								
(393) Methyl cellosolve (2-Methoxyethanol)	109-86-4	25	80	-	-	-	-	X
(394) Methyl cellosolve acetate (2-Methoxyethyl acetate)	110-49-6	25	120	-	-	-	-	X
(395) Methyl chloride	74-87-3	50	105	100	205	-	-	-
(396) Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	350	1900	450	2450	-	-	-
(397) Methyl 2-cyanoacrylate	137-05-3	2	8	4	16	-	-	-
(398) Methylcyclohexane	108-87-2	400	1600	-	-	-	-	-
(399) Methylcyclohexanol	25639-42-3	50	235	-	-	-	-	-
(400) o-Methylcyclohexanone	583-60-8	50	230	75	345	-	-	X

Substances	CAS No	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(401) Methylcyclopentadienyl manganese tetracarbonyl (as Mn)	12108-13-3	-	0.2	-	-	-	-	X
(402) Methyl demeton	8022-00-2	-	0.5	-	-	-	-	X
(403) 4,4'-Methylene bis (2-Chloroaniline) (MBOCA)	101-14-4	0.02	0.22	-	-	-	-	X
(404) Methylene bis (4-Cyclohexylisocyanate)	5124-30-1	-	-	-	-	0.01	0.11	-
(405) Methylene chloride See 29 C.F.R. 1910.1052	75-09-2							
(406) Methyl ethyl ketone (MEK); see 2-Butanone								
(407) Methyl ethyl ketone peroxide (MEKP)	1338-23-4	-	-	-	-	0.7	5	-
(408) Methyl formate	107-31-3	100	250	150	375	-	-	-
(409) Methyl hydrazine (Monomethyl hydrazine)	60-34-4	-	-	-	-	0.2	0.35	X
(410) Methyl iodide	74-88-4	2	10	-	-	-	-	X
(411) Methyl isoamyl ketone	110-12-3	50	240	-	-	-	-	-
(412) Methyl isobutyl carbinol	108-11-2	25	100	40	165	-	-	X
(413) Methyl isobutyl ketone; see Hexone								
(414) Methyl isocyanate	624-83-9	0.02	0.05	-	-	-	-	X
(415) Methyl isopropyl ketone	563-80-4	200	705	-	-	-	-	-
(416) Methyl mercaptan	74-93-1	0.5	1	-	-	-	-	-
(417) Methyl methacrylate	80-62-6	100	410	-	-	-	-	-
(418) Methyl parathion	298-00-0	-	0.2	-	-	-	-	X
(419) Methyl propyl ketone; see 2-Pentanone								
(420) Methyl silicate	681-84-5	1	6	-	-	-	-	-
(421) alpha-Methyl styrene	98-83-9	50	240	100	485	-	-	-
(422) Methylene bisphenyl isocyanate (MDI)	101-68-8	-	-	-	-	0.02	0.2	-
(423) Metribuzin	21087-64-9	-	5	-	-	-	-	-
(424) Mica, see Silicates								
(425) Molybdenum (as Mo) Soluble compounds	7439-98-7	5	-	-	-	-	-	-
Insoluble compounds								
Total dust		10	-	-	-	-	-	-
Respirable fraction		5	-	-	-	-	-	-
(426) Monocrotophos (Azoobn [®])	6923-22-4	-	0.25	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ^b	ppm ^a	mg/m ^b	ppm ^a	mg/m ^b	
(427) Monomethyl aniline	100-61-8	0.5	2	-	-	-	-	X
(428) Morpholine	110-91-8	20	70	30	105	-	-	X
(429) Naphtha (Coal tar)	8030-30-6	100	400	-	-	-	-	-
(430) Naphthalene	91-20-3	10	50	15	75	-	-	-
(431) alpha-Naphthylamine, see 29 C.F.R. 1910.1004	134-32-7							
(432) beta-Naphthylamine, see 29 C.F.R. 1910.1009	91-59-8							
(433) Nickel carbonyl (Ni)	13463-39-3	0.001	0.007	-	-	-	-	-
(434) Nickel, metal and insoluble compounds (as Ni)	7440-02-0	-	1	-	-	-	-	-
(435) Nickel, soluble compounds (as Ni)	7440-02-0	-	0.1	-	-	-	-	-
(436) Nicotine	54-11-5	-	0.5	-	-	-	-	X
(437) Nitric acid	7697-37-2	2	5	4	10	-	-	-
(438) Nitric oxide	10102-43-9	25	30	-	-	-	-	-
(439) p-Nitroaniline	100-01-6	-	3	-	-	-	-	X
(440) Nitrobenzene	98-95-3	1	5	-	-	-	-	X
(441) p-Nitrochlorobenzene, see 29 C.F.R. 1910.1003	100-00-5	-	1	-	-	-	-	X
(442) Nitroethane	79-24-3	100	310	-	-	-	-	-
(443) Nitrogen dioxide	10102-44-0	-	-	1	1.8	-	-	-
(444) Nitrogen trifluoride	7783-54-2	10	29	-	-	-	-	-
(445) Nitroglycerin	55-63-0	-	-	-	0.1	-	-	X
(446) Nitromethane	75-52-5	100	250	-	-	-	-	-
(447) 1-Nitropropane	108-03-2	25	90	-	-	-	-	-
(448) 2-Nitropropane	79-46-9	10	35	-	-	-	-	-
(449) n-Nitrosodimethylamine, see 29 C.F.R. 1910.1016	62-75-9							
(450) Nitrotoluene o-isomer m-isomer p-isomer	88-72-2; 99-08-1; 99-99-0	2	11	-	-	-	-	X
(451) Nitrotrichloromethane: See Chloropicrin								
(452) Nonane	111-84-2	200	1050	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(453) Octachloronaphthalene	2234-13-1	-	0.1	-	0.3	-	-	X
(454) Octane	111-65-9	300	1450	375	1800	-	-	-
(455) Oil mist, mineral	8012-95-1	-	5	-	-	-	-	-
(456) Osmium tetroxide (as Os)	20816-12-0	0.0002	0.002	0.0006	0.006	-	-	-
(457) Oxalic acid	144-62-7	-	1	-	2	-	-	-
(458) Oxygen difluoride	7783-41-7	-	-	-	-	0.05	0.1	-
(459) Ozone	10028-15-6	0.1	0.2	0.3	0.6	-	-	-
(460) Paraffin wax fume	8002-74-2	-	2	-	-	-	-	-
(461) Paraquat, respirable dust	4685-14-7	-	0.1	-	-	-	-	X
(462) Parathion	56-38-2	-	0.1	-	-	-	-	X
(463) Particulates not otherwise regulated Total dust Respirable fraction	..	-	15 5	-	-	-	-	-
(464) Pentaborane	19624-22-1	0.005	0.01	0.015	0.03	-	-	-
(465) Pentachloronaphthalene	1321-64-8	-	0.5	-	-	-	-	X
(466) Pentachlorophenol	87-86-5	-	0.5	-	-	-	-	X
(467) Pentaerythritol Total dust Respirable fraction	115-77-5	-	10 5	-	-	-	-	-
(468) Pentane	109-66-0	600	1800	750	2250	-	-	-
(469) 2-Pentanone (Methyl propyl ketone)	107-87-9	200	700	250	875	-	-	-
(470) Perchloroethylene (Tetrachloroethylene)	127-18-4	25	170	-	-	-	-	-
(471) Perchloromethyl mercaptan	594-42-3	0.1	0.8	-	-	-	-	-
(472) Perchloryl fluoride	7616-94-6	3	14	6	28	-	-	-
(473) Perite Total dust Respirable fraction	...	-	15 5	-	-	-	-	-
(474) Petroleum distillates (Naphtha)	8002-05-9	400	1600	-	-	-	-	-
(475) Phenol	108-95-2	5	19	-	-	-	-	X
(476) Phenothiazine	92-84-2	-	5	-	-	-	-	X
(477) p-Phenylene diamine	106-50-3	-	0.1	-	-	-	-	X
(478) Phenyl ether, vapor	101-84-8	1	1	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(479) Phenyl ether-biphenyl mixture, vapor	--	1	7	-	-	-	-	-
(480) Phenylethylene; see Styrene								
(481) Phenylglycidyl ether (PGE)	122-60-1	1	6	-	-	-	-	-
(482) Phenylhydrazine	100-63-0	5	20	10	45	-	-	X
(483) Phenyl mercaptan	108-98-5	0.5	2	-	-	-	-	-
(484) Phenylphosphine	638-21-1	-	-	-	-	0.05	0.25	-
(485) Phorate	298-02-2	-	0.05	-	0.2	-	-	X
(486) Phosdmn (Mevinphos ^b)	7786-34-7	0.01	0.1	0.03	0.3	-	-	X
(487) Phosgene (Carbonyl chloride)	75-44-5	0.1	0.4	-	-	-	-	-
(488) Phosphine	7803-51-2	0.3	0.4	1	1	-	-	-
(489) Phosphonic acid	7664-38-2	-	1	-	3	-	-	-
(490) Phosphorus (yellow)	7723-14-0	-	0.1	-	-	-	-	-
(491) Phosphorus oxychloride	10025-87-3	0.1	0.6	-	-	-	-	-
(492) Phosphorus pentachloride	10026-13-8	-	1	-	-	-	-	-
(493) Phosphorus pentasulfide	1314-80-3	-	1	-	3	-	-	-
(494) Phosphorus trichloride	7719-12-2	0.2	1.5	0.5	3	-	-	-
(495) Phthalic anhydride	85-44-9	1	6	-	-	-	-	-
(496) m-Phthalodinitrile	626-17-5	-	5	-	-	-	-	-
(497) Picloram Total dust Respirable fraction	1918-02-1	- - -	10 5	- -	- -	- -	- -	- -
(498) Picric acid	88-89-1	-	0.1	-	-	-	-	X
(499) Piperazine dihydrochloride	142-64-3	-	5	-	-	-	-	-
(500) Pindone (2-Pivalyl-1,3-indandione)	83-26-1	-	0.1	-	-	-	-	-
(501) Plaster of Paris Total dust Respirable fraction	7778-18-9	- - -	15 5	- -	- -	- -	- -	- -
(502) Platinum (as Pt) Metal Soluble salts	7440-06-4	- - -	1 0.002	- -	- -	- -	- -	- -
(503) Portland cement Total dust Respirable fraction	65997-15-1	- - -	10 5	- -	- -	- -	- -	- -

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(529) Selenium compounds (as Se)	7782-49-2	-	0.2	-	-	-	-	-
(530) Selenium hexafluoride (as Se)	7783-79-1	0.05	0.4	-	-	-	-	-
(531) Silica, amorphous, precipitated and gel	--	-	6	-	-	-	-	-
(532) Silica, amorphous diatomaceous earth, containing less than 1% crystalline silica	68855-54-9	-	6	-	-	-	-	-
(533) Silica, crystalline cristobalite (as quartz), respirable dust	14464-46-1	-	0.05	-	-	-	-	-
(534) Silica, crystalline quartz (as quartz), respirable dust	14808-60-7	-	0.1	-	-	-	-	-
(535) Silica, crystalline trypsilite (as quartz), respirable dust	1317-95-9	-	0.1	-	-	-	-	-
(536) Silica, crystalline indymite (as quartz), respirable dust	15468-32-3	-	0.05	-	-	-	-	-
(537) Silica, fused, respirable dust	60676-86-0	0.1						
(538) Silicates (less than 1% crystalline silica)								
Mica (respirable dust)	12001-26-2	-	3	-	-	-	-	-
Soapstone, total dust	--	-	6	-	-	-	-	-
Soapstone, respirable dust	--	-	3	-	-	-	-	-
Talc (containing asbestos); use asbestos limit	--	See	29	C.F.R.	1910	1000	-	-
Talc (containing no asbestos), respirable dust	14807-96-6	-	-	-	-	-	-	-
Tremolite		See	29	C.F.R.	1910	1101	-	-
(539) Silicon	7440-21-3							
Total dust		-	10	-	-	-	-	-
Respirable fraction		-	5	-	-	-	-	-
(540) Silicon carbide	409-21-2							
Total dust		-	10	-	-	-	-	-
Respirable fraction		-	5	-	-	-	-	-
(541) Silicon tetrahydride	7803-62-5	5	7	-	-	-	-	-
(542) Silver, metal dust and fume (as Ag)	7440-22-4	-	0.01	-	-	-	-	-
(543) Soapstone; see Silicates								
(544) Sodium azide (as HN ₃) (as NaN ₃)	26628-22-8	-	-	-	-	0.1	-	X
		-	-	-	-	-	0.3	X

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(545) Sodium bisulfite	7631-90-5	-	5	-	-	-	-	-
(546) Sodium fluoracetate	62-74-8	-	0.05	-	0.15	-	-	X
(547) Sodium hydroxide	1310-73-2	-	-	-	-	-	2	-
(548) Sodium metabisulfite	7681-57-4	-	5	-	-	-	-	-
(549) Starch Total dust Respirable fraction	9005-25-8	- - -	15 5	- -	- -	- -	- -	- -
(550) Stibine	7803-52-3	0.1	0.5	-	-	-	-	-
(551) Stoddard solvent	8052-41-3	100	525	-	-	-	-	-
(552) Strychnine	57-24-9	-	0.15	-	-	-	-	-
(553) Styrene	100-42-5	50	215	100	425	-	-	-
(554) Subtilisins (Proteolytic enzymes)	1395-21-7	-	-	-	-	-	0.00006	-
(555) Sucrose Total dust Respirable fraction	57-50-1	- - -	15 5	- -	- -	- -	- -	- -
(556) Sulfur dioxide	7446-09-5	2	5	5	10	-	-	-
(557) Sulfur hexafluoride	2551-62-4	1000	8000	-	-	-	-	-
(558) Sulfuric acid	7664-93-9	-	1	-	-	-	-	-
(559) Sulfur monochloride	10025-67-9	-	-	-	-	1	6	-
(560) Sulfur pentafluoride	5714-22-7	-	-	-	-	0.01	0.1	-
(561) Sulfur tetrafluoride	7783-60-0	-	-	-	-	0.1	0.4	-
(562) Sulfuryl fluoride	2699-79-8	5	20	10	40	-	-	-
(563) Sulprofos	35400-43-2	-	1	-	-	-	-	-
(564) Systox [®] ; see Demeton 2,4,5-T	93-76-5	-	10	-	-	-	-	-
(565) Talc; see Silicates								
(566) Tantalum, metal and oxide dust	7440-25-7	-	5	-	-	-	-	-
(567) TEDP (Sulfotep)	3689-24-5	-	0.2	-	-	-	-	X
(568) Tellurium and compounds (as Te)	13494-80-9	-	0.1	-	-	-	-	-
(569) Tellurium hexafluoride (as Te)	7783-80-4	0.02	0.2	-	-	-	-	-

Substances	CAS No	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(570) Temephos Total dust Respirable fraction	3383-96-8	-	10 5	-	-	-	-	-
(571) TEPP	107-49-3	-	0.05	-	-	-	-	X
(572) Terphenyls	26140-60-3	-	-	-	-	0.5	5	-
(573) 1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9	500	4170	-	-	-	-	-
(574) 1,1,2,2-Tetrachloro 1,2-difluoroethane	76-12-0	500	4170	-	-	-	-	-
(575) 1,1,2,2-Tetrachloroethane	79-34-5	1	7	-	-	-	-	X
(576) Tetrachloromethylene: see Perchloroethylene								
(577) Tetrachloromethane: see Carbon tetrachloride								
(578) Tetrachloronaphthalene	1335-88-2	-	2	-	-	-	-	X
(579) Tetraethyl lead (as Pb)	78-00-2	-	0.075	-	-	-	-	X
(580) Tetrahydrofuran	109-99-9	200	590	250	735	-	-	-
(581) Tetramethyl lead, (as Pb)	75-74-1	-	0.075	-	-	-	-	X
(582) Tetramethyl succinonitrile	3333-52-6	0.5	3	-	-	-	-	X
(583) Tetranitromethane	509-14-8	1	8	-	-	-	-	-
(584) Tetrasodium pyrophosphate	7722-88-5	-	5	-	-	-	-	-
(585) Tetryl (2,4,6-Trinitrophenyl-methyl-nitramine)	479-45-8	-	0.1	-	-	-	-	X
(586) Thallium, soluble compounds (as Tl)	7440-28-0	-	0.1	-	-	-	-	X
(587) 4,4'-Thiobis(6-tert. Butyl-m-cresol) Total dust Respirable fraction	96-69-5	-	10 5	-	-	-	-	-
(588) Thioglycolic acid	68-11-1	1	4	-	-	-	-	X
(589) Thionyl chloride	7719-09-7	-	-	-	-	1	5	-
(590) Thiram	137-26-8	-	5	-	-	-	-	-
(591) Tin, inorganic compounds (except oxides) (as Sn)	7440-31-5	-	2	-	-	-	-	-
(592) Tin, organic compounds (as Sn)	7440-31-5	-	0.1	-	-	-	-	X
(593) Tin oxide (as Sn)	7440-31-5	-	2	-	-	-	-	-
(594) Titanium dioxide Total dust Respirable fraction	13463-67-7	-	10 5	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(595) Toluene	108-88-3	100	375	150	560	-	-	-
(596) Toluene-2,4-Diisocyanate (TDI)	584-84-9	0.005	0.04	0.02	0.15	-	-	-
(597) m-Toluidine	108-44-1	2	9	-	-	-	-	X
(598) o-Toluidine	95-53-4	5	22	-	-	-	-	X
(599) p-Toluidine	106-49-0	2	9	-	-	-	-	X
(600) Toxaphene: see Chlorinated camphene								
(601) Tremolite: see Silicates								
(602) Tnbutyl phosphate	126-73-8	0.2	2.5	-	-	-	-	-
(603) Trichloroacetic acid	76-03-9	1	7	-	-	-	-	-
(604) 1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	5	40	-
(605) 1,1,1-Trichloroethane: see Methyl chloroform								
(606) 1,1,2-Trichloroethane	79-00-5	10	45	-	-	-	-	X
(607) Trichloroethylene	79-01-6	50	270	200	1080	-	-	-
(608) Trichloromethane: see Chloroform								
(609) Trichloronaphthalene	1321-65-9	-	5	-	-	-	-	X
(610) 1,2,3-Trichloropropane	96-18-4	10	60	-	-	-	-	-
(611) 1,1,2-Trichloro-1,2,2-tetrafluoroethane	76-13-1	1000	7600	1250	9500	-	-	-
(612) Trethylamine	121-44-8	10	40	15	60	-	-	-
(613) Trifluorobromomethane	75-63-8	1000	6100	-	-	-	-	-
(614) Trmellic anhydride	552-30-7	0.005	0.04	-	-	-	-	-
(615) Trmethylamine	75-50-3	10	24	15	36	-	-	-
(616) Trmethyl benzene	25551-13-7	25	125	-	-	-	-	-
(617) Trmethyl phosphite	121-45-9	2	10	-	-	-	-	-
(618) 2,4,6-Trinitrophenyl: see Picric acid								
(619) 2,4,6-Trinitrophenylmethyl nitramine: see Tetryl								
(620) 2,4,6-Trinitrotoluene (TNT)	118-96-7	-	0.5	-	-	-	-	X
(621) Trnorthoeresyl phosphate	78-30-8	-	0.1	-	-	-	-	X
(622) Trphenyl amine	603-34-9	-	5	-	-	-	-	-
(623) Trphenyl phosphate	115-86-6	-	3	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(624) Tungsten (as W) Insoluble compounds	7440-33-7	-	5	-	10	-	-	-
		-	1	-	3	-	-	-
Soluble compounds								
(625) Turpentine	8006-64-2	100	560	-	-	-	-	-
(626) Uranium (as U) Soluble compounds	7440-61-1	-	0.05	-	-	-	-	-
		-	0.2	-	0.6	-	-	-
Insoluble compounds								
(627) n-Valeraldehyde	110-62-3	50	175	-	-	-	-	-
(628) Vanadium Respirable dust (as V ₂ O ₅)	1314.62.1	-	0.05	-	-	-	-	-
		-	0.05	-	-	-	-	-
Fume (as V ₂ O ₅)								
(629) Vegetable oil mist Total dust	--	-	15	-	-	-	-	-
		-	5	-	-	-	-	-
Respirable fraction								
(630) Vinyl acetate	108-05-4	10	30	20	60	-	-	-
(631) Vinyl benzene: see Styrene								
(632) Vinyl bromide	583-60-2	5	20	-	-	-	-	-
(633) Vinyl chloride: see 29 CFR 1910.1017	75-01-4							
(634) Vinylcyanide: see Acrylonitrile								
(635) Vinyl cyclohexane dioxide	106-87-6	10	60	-	-	-	-	X
(636) Vinylidene chloride (1,1-Dichloroethylene)	75-35-4	1	4	-	-	-	-	-
(637) Vinyl toluene	25013-15-4	100	480	-	-	-	-	-
(638) VM & P naphtha	8032-32-4	300	1350	400	1800	-	-	-
(639) Warfenz	81-81-2	-	0.1	-	-	-	-	-
(640) Welding fumes (total particulate) ^{***}	--	-	5	-	-	-	-	-
(641) Wood dust, all soft and hard woods, except western red cedar	--	-	5	-	10	-	-	-
		-		-		-	-	-
Western red cedar								
(642) Wood dust, Western red cedar	--	-	2.5	-	-	-	-	-
(643) Xylenes (o-, m-, p-isomers)	1330-20-7	100	435	150	655	-	-	-
(644) m-Xylene alpha, alpha-diamine	1477-55-0	-	-	-	-	-	0.1	X
(645) Xyldime	1300-73-8	2	10	-	-	-	-	X
(646) Yttrium	7440-65-5	-	1	-	-	-	-	-

Substances	CAS No.	TWA		STEL ^c		CEILING		Skin Designation
		ppm ^a	mg/m ³	ppm ^a	mg/m ³	ppm ^a	mg/m ³	
(647) Zinc chloride fume	7646-85-7	-	1	-	2	-	-	-
(648) Zinc chromate (as CrO ₃)	Varies with compound	-	-	-	-	-	0.1	-
(649) Zinc oxide fume	1314-13-2	-	5	-	10	-	-	-
(650) Zinc oxide Total dust Respirable fraction	1314-13-2	-	10 5	-	-	-	-	-
(651) Zinc stearate Total dust Respirable fraction	557-05-1	-	10 5	-	-	-	-	-
(652) Zirconium compounds (as Zr)	7440-87-7	-	5	-	10	-	-	-

NOTE: Because of the length of the table, explanatory footnotes applicable to all substances are given below as well as at the end of the table. Footnotes specific only to a limited number of substances are also shown within the table.

FOOTNOTE ***: As determined from breathing-zone air samples.

FOOTNOTE (a): Parts of vapor or gas per million parts of contaminated air by volume at 25 degrees Celsius and 760 torr.

FOOTNOTE (b): Approximate milligrams of substance per cubic meter of air.

FOOTNOTE (c): Duration is for 15 minutes, unless otherwise noted.

FOOTNOTE (d): The final benzene standard in 29 C.F.R. 1910.1028, as amended, applies to all occupational exposures to benzene except some subsegments of industry where exposures are consistently under the action level (i.e., distribution and sale of fuels, sealed containers and pipelines, coke production, oil and gas drilling and production, natural gas processing, and the percentage exclusion for liquid mixtures); for the excepted subsegments, the benzene limits in Table Z-2 apply. See 29 C.F.R. 1910.1028, as amended, for specific circumstances.

FOOTNOTE (e): The CAS number is for information only. Enforcement is based on the substance name. For an entry covering more than one metal compound measured as the metal, the CAS number for the metal is given, not CAS numbers for the individual compounds.

FOOTNOTE (f): Compliance with the sublethal PEL* is assessed by sampling with a high volume sampler (600—800 liters per minute) for at least 60 minutes.

FOOTNOTE (g): The Acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.