

PEL Update List of Substances

Chemical Name	CAS	HEAC Priority	HEAC mtg date / rec PEL or lead mbr	FAC mtg date / rec PEL	ACGIH Year	AIHA Year	Other Source [niosh, oehha, etc]	5155 PEL	PEL Skin notation	OEL [new or change]	Skin notation	Notations and listed OEL basis (to be verified) Red indicates used in prioritization
acetaldehyde	75070	1			1992		oehha	25 ppm C		25 ppm C TLV		A3, eye, urt irr, 13-16X cancer risk per oehha, cREL
arsine	7784421	1			2007			0.05 ppm TWA		0.05 ppm TWA to 0.005 ppm TWA		kidney; peripheral nervous system, vascular system, no use data
Benzaldehyde	100527	1				1998		NEW		2 ppm		DSEN, flavor use
benzyl chloride	100447	1	6/08, sr		1990		oehha	1 ppm TWA				32x cancer risk oehha, epcra 2 ca loc, IUR 10-50 m lbs, A3, irr
butyl benzyl phthalate		1	6/08, sr				oehha	new				
Butyraldehyde	123728	1				2004		NEW		25 ppm		DSEN chem intermediate, IUR > 1 billion lbs
carbon disulfide	75150	1	4/08, po		2006		oehha	4 ppm TWA 30 C S		10 ppm TWA to 1 ppm	Skin	prop 65 repro, peripheral nervous system impair, epcra 5 ca loc,
carbon tetrachloride	56235	1			1990		oehha	2 ppm, 10 stel, 20 S		5 ppm, 10 stel	skin	A2, liver, 25-69X cancer risk per oehha, cREL, aREL
cobalt and certain cobalt compounds	7440484	1			1993		oehha	.02 mg/M3 TWA		.02 mg/M3 TLV		A3, BEI, asthma, pum func, heart
di(2-ethylhexyl)phthalate (DEHP)	117817	1	6/08, sr		1998		oehha	5 mg/M3 TWA, 10 stel		5 mg/M3 TLV		A2, LRT, irr, Prop 65 repro, 0.4X cancer risk per oehha
dibutyl phthalate	84742	1	6/08, sr		1990		oehha	5 mg/M3 TWA		5 mg/M3 TLV		testicular damage, eye, URT irr, Prop 65 repro, epcra 2 CA locations
dichloroacetic acid	79436	1	4/08 / 0.1 ppm		2005			NEW		0.5 ppm TWA	Skin	testicular damage, Med use, IUR 10-500 K lbs
dichlorobenzene, p-	106467	1			1990		oehha	10 ppm TWA, 110 stel, 200 C		10 ppm TLV		A3, eye, kidney, CUPA usa data, 86X cancer risk per oehha, cREL
dichlorvos	62737	1			2002					1 mg/M3 TWA S	Skin	Pest, SEN, high ca use
dioxolane, 1,3	646060	1			2002		oehha	NEW		20 ppm TWA		hematologic, 91x cancer risk oehha, epcra 1 ca loc solvent, feeds
dodecyl mercaptan	112550	1			2004			NEW		0.1 ppm TWA		SEN, urt, feedstock, IUR 10-50 million lbs, cupa data
ethyl benzene	100414	1	9/08, jq		1998		oehha	100 ppm TWA, 125 stel		100 ppm TLV, 125 stel		A3, BEI, urt, CNS, eye irr, epcra 98 ca loc, cREL
ethylene	74851	1			2005			NEW		Simple asphyxiant to 200 ppm TWA		asphyxia, fruit ripening, feedstock, IUR > 1 billion lbs
ethylene dichloride	107062	1	9/08, po		1977		oehha	1 ppm TWA	s	10 ppm TLV		A4, liver, nausea, 11-14x cancer risk oehha, epcra 14 us loc, cupa data
gallium arsenide	1303000	1			2005			NEW		0.0003 mg/M3 TWA respirable		Irt irr, semicon use
hydrogen chloride	7647010	1	11/07, ju		2003			5 ppm Ceiling		5 ppm Ceiling to 3 ppm Ceiling		urt irr, cREL, aREL
hydrogen fluoride	7664393	1	11/07, mc		2005			3 ppm TWA 6 ppm STEL		3 ppm Ceiling to 2 ppm + new TWA 0.5		upper and lower respiratory tract irritation, aREL
Indium phosphide		1						2002 form 9		0.1 mg/m3		0.03 mg/m3 POSSIBLE ANIMAL LOAE NTP testing concluded "clear evidence" for carcinogenicity
isocyanates (TRIG &/or ind subs)*		1	refer to sub spec AC					2002 form 9, TD		NEW		0.017 mg/m3 TWA, 0.07 mg/m3 STEL (SEN respiratory sensitization
methyl chloride	74873	1			1992		oehha	5 ppm TWA, 100 stel, 300 C		50 ppm TLV, 100 stel	skin	A4, CNS, liver, kidney, testicular, teratogen, epcra 1 ca loc, cREL
Methyl-2-pyrrolidone, n-	872504	1	11/07, jq			1998	dph, oehha	new		10 ppm	Skin	HESIS alert, epcra 34 ca loc
monochloroacetic acid	79118	1			2006	2004		NEW		0.5 ppm TWA inhalable	Skin	urt, various uses, high epa use, IUR 100-500 mil lbs
naphthalene	91203	1	6/08, ms		1992		oehha	10 ppm TWA, 15 stel		10 ppm TLV, 15 stel	skin	A4, hematologic, urt, eye, epcra 74 ca loc, 220X cancer risk per oehha
natural rubber latex, as total protein	9006046	1			2004			NEW		0.001 mg/M3 TWA	1'	SEN skin sensitization, wide use
Nitro-o-toluidine, 5-	99558	1			2007			NEW		1 mg/M3 TWA Inhalable		liver damage, dye manf, IUR 100-500 K lbs
perfluorobutyl ethylene	19430934	1			2004			NEW		100 ppm TWA		hematologic effects, teflon ingred, IUR 100-500 K lbs
pyridine	110861	1			2004		oehha	5 ppm TWA		5 ppm TWA to 1 ppm		skin irritation liver & kidney damage
sulfuric acid	7664939	1	4/08, bk		2004			1 mg/M3 TWA 3 STEL		1 mg/M3 TWA to 0.2 mg/M3 +DROP		pulmonary function A2 carc when contained in strong acid mist, cREL
tert-amyl methyl ether	994058	1			2002			NEW		20 ppm TWA		CNS, embryo/fetal damage, gas additive, IUR > 1 bil lbs
tetrabromoethane, 1,1,2,2-	79276	1			2006			NEW		0.1 ppm TWA inhal & vapor		pulmonary edema liver damage eye & upper respiratory tract irritat
tetrachloroethylene (perchloroethylene)	127184	1			1990		oehha	25 ppm TWA, 100 stel, 300 C		25 ppm TLV, 100 stel		A3, BEI, CNS, epcra 27 ca loc, 130x cancer risk per oehha, cREL, aREL
toluene	108883	1	4/08, jq		2007		oehha	50 ppm TWA/500 S		50 ppm TWA to 20 ppm TWA		prop 65 repro, visual impair, female repro, pregnancy loss, cREL
trichloroethylene	79016	1	4/08, wf		2007		oehha	25 ppm TWA/300C/100 STEL		50ppmTWA/100 ppm STEL to 10ppmT		A2, CNS, renal tox, cognitive impair, 35x cancer risk oehha, epcra
acetamide		2					oehha					
acrylamide	79061	2			2005		oehha	0.03 mg/M3 TWA S		retain TWA 0.03 mg/M3	Skin	CNS, 5x cancer risk per oehha, epcra 2 ca loc
alachlor	15972608	2			2007			NEW		1 mg/M3 TWA Inh & vapor		Pest SEN, hemoderiosis, no IUR reports
Allylthiocyanate	57067	2				19??					Skin	DSEN, no use data
antimony oxide		2			1979		oehha	0.5 mg/M3 as Sb compound		0.5 mg/M3 as Sb compound		antimony trioxide production TLV to lowest level, lung cancer
Benzoyl chloride	98884	2			1992	1987	oehha	0.2 ppm Ceiling				DSEN, 32x cancer risk oehha, epcra 2 ca loc, IUR 10-50 m lbs, aREL

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butoxyethyl acetate, 2-	111072	2			2003			NEW		20 ppm TWA		hemolysis (not found by ACAC for 2-BTE) OSHA FR no longer used
butyl glycidyl ether, n-	2426086	2			2005			25 ppm TWA		25 ppm to 3 ppm TWA	Skin	SEN OSHA FR no longer used
carbon black	1333864	2			1985		oehha	3.5 mg/M3 TWA		3.5 mg/M3 TLV		A4
carbon monoxide	630080	2			1989		oehha	25 ppm TLV, 200 C		25 ppm TLV		BEI, COHb-emia, aREL
chloroform	67663	2			1990		oehha	2 ppm TWA		10 ppm TLV		A3, liver, embroffetal, CNS, 7-29X cancer risk per oehha, cREL, aREL
chloroprene	126998	2			1990		oehha	1 ppm TWA	s	10 ppm TLV	skin	urt, eye irr, epkra 13 us loc, cupa data
cyclohexane	110827	2			2002			300 ppm TWA		300 ppm TWA to 100 ppm		cns, IUR > 1 billion lbs, ARB low CA use, cupa data
cyclohexanone	108941	2			2003			25 ppm TWA	S	25 ppm to 20 ppm TWA	Skin	eye irr, urt, cupa data, IUR > 1 billion lbs, ARB low CA use
diesel engine exhaust		2					oehha, NIOSH					cancer, MSHA exp limit, ARB substance of study, cREL, sampling
diesel fuel	68334305	2			2002			NEW		100 mg/M3 TWA	Skin	IUR > 1 billion lbs, dermatias as basis of TLV, sampling limitations
dimethyl disulfide	624920	2			2007			NEW		0.5 ppm TWA	Skin	cns, pulp manf byproduct, sewer gas, IUR 1-10 mil lbs, no ca use
dimethyl sulfide	75183	2			2004			NEW		10 ppm TWA	Skin	urt, pulp manf byproduct, sewer gas, IUR 10-50 mil lbs, no ca use data
ethyl acrylate	140885	2			1986		oehha	5 ppm twa, 25 stel		5 ppm TLV, 15 stel		A4, urt, Gl irr, CNS, eye irr, skin sen, epkra 3 ca loc
ethylhexanoic acid, 2-	149575	2			2002			NEW		5 mg/M3 TWA		teratogenic effects, no use data
Glycidyl methacrylate	106912	2				2000				0.5 ppm	Skin	DSEN, IUR 1-10 mil lbs
hexachloroethane	67721	2			1990		oehha	1 ppm TWA	s	1ppm TLV	skin	A3, liver, kidney, 5-14x cancer risk oehha, epkra 1 ca loc
hexafluoropropylene	116154	2			2007			NEW		0.1 ppm TWA		SEN, kidney, polymer manf, feedstock, IUR 10-50 mil lbs
hexahydrophthalic anhydride	13149003	2			2004			NEW		0.0005 mg/M3 Ceiling inh+vap		SEN, rsen, epoxy curing agent, no ca use data, IUR 1-10 mil lbs
Hexanediol diacrylate, 1,6-	13048334	2				1998				1 mg/m3		DSEN, IUR 10-50 mil lbs, no ca use data
hydrogen bromide	10035106	2			2004			3 ppm Ceiling		3 ppm Ceiling to 2 ppm Ceiling		urt, no use data
isobutyl nitrite	542563	2			2003			NEW		1 ppm Ceiling inh+vap		vasodilation; methemoglobinemia, various appl, no IUR report, r
isopropanol TLV now 2-propanol	67630	2			2003			400 ppm TWA 500 STEL		400 TWA / 500STEL to 200/400 STEL		IUR > 1 billion lbs, cREL, aREL
isopropyl acetate	108214	2			2003			250 ppm TWA 310 STEL		250/310 STEL to 100/200 STEL		solvent, eye resp irritant, IUR 50-100 mil lbs
kerosene jet fuel, total HC vapor	8008206	2			2003			NEW		200 mg/M3 NOT VAPOR	Skin	IUR > 1 billion lbs, sampling limitations
methoxyethanol acetate, 2-	110496	2			2006			5 ppm TWA		5 ppm TWA Skin to 0.1 µ	Skin	hematologic & repro effects OSHA FR no longer used, cupa data
methoxyethanol, 2-	109864	2			2006			5 ppm TWA		5 ppm TWA Skin to 0.1 µ	Skin	hematologic & repro effects OSHA FR no longer used, cupa data
methyl naphthalene,1- & 2-	90120, 91576	2			2007			NEW		0.5 ppm TWA	Skin	liver, lrt, dye & resind manf ingred, IUR 10-500 K lbs, no ca use data
methyl propyl ketone	107879	2			2007			200 ppm TWA 250 STEL		200 ppm TWA/250 STEL		to just 150 S pulmonary function, eye irr, cupa data
nitrioltriacetic acid		2					oehha					epkra 1 ca loc, cupa data
nitromethane	75525	2			1997		oehha	2 ppm TWA		20 ppm TLV		A2, thyroid, urt, lung dam, CUPA use data
Pentaerythritol triacrylate	3524683	2				1999				1 mg/m3		DSEN, no use data
phenyl mercaptan	108985	2			2004			0.5 ppm TWA		0.5 ppm TWA to 0.1 ppm	Skin	central nervous system impairment eye & skin irritation
propionaldehyde	123386	2			2002	2002		NEW	S	20 ppm TWA		upper respiratory tract irritation, chem intermed, IUR 100-500 mil lbs
propylene	115071	2			2006			simple asphyxiant		Simple asphyxiant to 500 ppm TWA		asphyxia upper respiratory tract irritation, cREL
silica (crystalline quartz & cristobalite) *		2	ref sub sp ac		2006			0.3 mg/M3 Total 0.1 resp		0.05 mg/M3 Resp dust to 0.025 mg/M3		A2 carc pulmonary fibrosis lung cancer
styrene *		2	ref sub sp ac		2001			50 ppm TWA/500 S		20 ppm TWA	S	CNS, urt, peripheral neuropathy, IUR > 1 bil lbs, cREL, aREL
Tetraethylene Pentamine	112572	2				2004		NEW		5 mg/m3	Skin	DSEN, IUR 10-50 m lbs
Tetraethyleneglycol diacrylate	17831719	2				1981		NEW		1 mg/m3	Skin	DSEN, IUR 10-500 k lbs
tetrakis (hydroxymethyl) phosphonium chloride	124641	2			2005			NEW		2 mg/M3 TWA		A4, skin irr
Tetrakis(hydroxymethyl)phosphonium sulfate	55566308	2			2005			NEW		2 mg/M3 TWA		SEN, A4, skin irr
thiourea		2					oehha					epkra 19 us loc, cupa data
turpentine & selected monoterpenes	8006642	2			2003			100 ppm TWA		100 ppm TWA to 20 ppm		SEN, urt, CNS, skin irr, IUR 100-500 m lbs
vinyl-2-pyrrolidone, n-	88120	2			2003			NEW		0.05 ppm TWA		liver damage, polymer manf, IUR 10-50 M lbs
western red cedar		2			2005			2.5 mg/M3 TWA		NEW TLV 0.05 mg/M3 TWA inhalable		SEN asthma, no use data
wood dusts (other than western red cedar)		2			2005			5 mg/M3 TWA		All now 1 mg/M3 not just certain hardwoods		pulm func, oak & beech A1 carc, some others A2, wide use

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acetonitrile	75058	3			2002			40 ppm TWA/60 S	S	40 ppm TWA to 20	Skin	
ALIPHATIC HYDROCARBON GAS (C1-C4)		3			2004			NEW		1000 ppm TWA		
allyl propyl disulfide	2179591	3			2004			2 ppm TWA / 3 STEL		2 ppm TWA to 0.5 ppm		SEN urt, eye irr, no use data
borate compounds (various)		3			2005			5 mg/M3 TWA		all now 2 mg/M3 inh, 6 mg/m3 inh (stel)		
butanol, n-	71363	3			2002			50 Ceiling	S	50 Ceiling to 20 TWA		
Butylcatechol, 4-tert-	98293	3				2001		NEW		2 mg/m3	Skin	DSEN, no use data
chloropropanol (1,2 and 2,1)	127004, 78897	3			2002			NEW		1 ppm TWA	Skin	liver damage, chem intermed, no IUR report
coumaphos	56724	3			2006			NEW-Pest		0.05 mg/M3 TWA Inh + v	Skin	Pest
demeton-S-methyl	9198638	3			2002			NEW-Pest		0.05 mg/M3 TWA inh+v	Skin	Pest SEN
diglycidyl ether [DGE]	2238075	3			2007			0.1 ppm TWA		0.1 ppm TWA to 0.01 ppm TWA		male reproductive system damage, chem intermed, no IUR report
dimethyl carbamoyl chloride	79447	3			2007			NEW		LOW AS POSSIBLE to	Skin	A2 carc nasal cancer, chem intermed, no IUR report
dinitro-o-toluamide, 3,5	148016	3			2007			5 mg/M3 TWA		1 mg/M3 TWA		liver, no IUR report, feed additive poultry
ethyl amyl ketone [PEL lists ethyl sec-amyl ke	541855	3			2007			25 ppm TWA		25 ppm TWA to 10 ppm TWA		neurotoxicity, no IUR report
Mancozeb	801807	3				1992		NEW		1 mg/m3		DSEN, no use data
Mercaptobenzothiazole, 2-	149304	3				1997		NEW		5 mg/m3	Skin	DSEN, no use data
Mercaptoethanol, 2-	60242	3				2002		NEW		0.2 ppm	Skin	fed reg low use, IUR 10-50 m lbs, no ca use data
Methyl ethyl ketoxime	96297	3				1990		NEW		10 ppm		DSEN, no use data
naled	300765	3			2002			3 mg/M3 TWA	S	3 mg/M3 TWA to 0.1 mg	Skin	Pest SEN
Propanol, n-	71238	3			2007			200 ppm TWA 2	S	200 ppm TWA to 100 ppm TWA		
propylene dichloride (1,2 dichloropropane)	78875	3			2006			75 ppm TWA 110 STEL		75 ppm TWA 110 ppm STEL	to 10 ppm	SEN upper respiratory tract irritation body weight effects, poly
silicon carbide FIBROUS (including whiskers)	409212	3			2003			PEL is PNOC		0.1 f/cc		A2 carc mesothelioma other cancer, no use data
silicon carbide (NONFIBROUS)	409212	3			2003			total particulate 10 mg/M3		10mg to 10mg inh + 3mg resp +0.1f/cc		
terbufos	1307799	3			2002			NEW-Pest		0.01 mg/M3 TWA inh	Skin	Pest
tetrahydrofuran	109999	3			2005			200 ppm TWA		200 ppm TWA to 250	Skin	
Acetone Cyanohydrin	75865	4				1992				2 ppm	Skin	
Acetophenone	98862	4				2007		10 ppm TWA 60 STEL		10 ppm TWA		
Aldicarb	116063	4				1993				0.07 mg/m3	Skin	
aldrin	309002	4			2007			0.25 mg/M3 TWA S		0.25 mg/M3TWA to 0.05	Skin	CNS impairment liver & kidney damage, nonregistered pest
Aminobenzoic acid, para-	150130	4				2001				5 mg/m3		
Aminotri (methylene phosphonic acid)	6419198	4				2004				10 mg/m3		
Amyl alcohol, n-	71410	4				2001				100 ppm		
Benzophenone	119619	4				2003				0.5 mg/m3		
Benzyl alcohol	100516	4				1994				10 ppm		
bis-(2-Chloroisopropyl) ether	39628329	4				1997				3 ppm		
calcium sulfate	7778189	4			2006			total dust 10 mg/M3		10 mg/M3 just adding Inhalable		
Chloramphenicol	56757	4				1996				0.5 mg.m3		
Chloro-1,1,1,2-tetrafluoroethane, 2-	2837890	4				2005				1000 ppm		
Chloro-1,1,2-trifluoroethylene, 2-	79389	4				1998				5 ppm		
Chloro-1,1-difluoroethane, 1-	75683	4				1994				1000 ppm		
Chloropropane, 2-	75296	4				2004				50 ppm		
Chlorosulfonic acid	7790945	4				2002						
chlorpyrifos	2921882	4			2003			0.2 mg/M3 TWA S	S	0.2 mg/M3 TWA to 0.1m	Skin	Pest
Cumene hydroperoxide	80159	4				1991				1 ppm	Skin	
Decabromodiphenyl oxide	1163195	4				1996				5 mg/m3		
Decene, 1-	872059	4				2000				100 ppm		
Dehydrolinalool	29171208	4				2007				2 ppm		

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demeton	8065483	4			2002			0.01 mg/M3 TWA	S	0.1 mg/M3 TWA to 0.05	Skin	Pest
Diallylamine	124027	4				1994				1 ppm	Skin	
Dibutylamine	111922	4				2003					Skin	
Dichloro-1-fluoroethane, 1,1-	1717006	4				1991				500 ppm		
Dichlorophenol, 2,4-	120832	4				2004				1 ppm	Skin	
dicrotophos	141662	4			2002			0.25 mg/M3 TWA	S	0.25 mg/M3 TWA to 0.05	Skin	Pest
Diethylbenzenes, mixed isomers	25340174	4				2005				5 ppm		
Diethylene glycol	111466	4				1999				10 mg/m3		
Diethylene glycol monoethyl ether (DGME)	111900	4				1991				25 ppm		
Difluoroethane, 1,1-	75376	4				2005				1000 ppm		
Difluoromethane	111900	4				1997				1000 ppm		
Diisobutylene, mixed isomers	25167708	4				2000				75 ppm		
Dimethyl ether	115106	4				1996				1000 ppm		
Dimethyldichlorosilane	75785	4				2001				2 ppm (ceiling)		
Dimethylsulfoxide	67685	4				2003				250 ppm		
Dimethylterephthalate	120616	4				2000				5 mg/m3 (total)		
dinitolmide	148016	4			2007			5 mg/M3 TWA		WITHDRAWN SEE NEW 3,5-dinitro-o- toluamide		
dioxathion	78342	4			2002			0.2 mg/M3 TWA	S	0.2 mg/M3 TWA to 0.1m	Skin	Pest
disulfoton	298044	4			2002			0.1 mg/M3 TWA	S	0.1 mg/M3 TWA to 0.05	Skin	Pest
Dowtherm Q		4				2002				1 ppm		
Epoxybutane, 1,2-	106887	4				2003				2 ppm		
Erythromycin	114078	4				2007				3 mg/m3		
ethion	563122	4			2003			0.4 mg/M3 TWA	S	0.4 mg/M3 TWA to 0.05	Skin	Pest
fenamiphos	22224926	4			2006			0.1 mg/M3 TWA	S	0.1 mg/M3 TWA to 0.05	Skin	Pest
fensulfothion	115902	4			2005			0.1 mg/M3 TWA		0.1 mg/M3 to 0.01 mg/M3	Skin	Pest
fenthion	55389	4			2006			0.2 mg/M3 TWA	S	0.2 mg/M3 TWA to 0.05	Skin	Pest
fonofos	944229	4			2006			0.1 mg/M3 TWA	S	0.1 mg/M3 TWA just ad	Skin	Pest
Furan	110009	4				1993				See note A:		
Hexadiene, 1,4-	592450	4				1996				10 ppm		
Hexafluoropropane, 1,1,1,3,3,3-	690391	4				1998				1000 ppm		
Hexanediamine, 1,6-	124094	4				2004		0.5 ppm TWA		1 ppm		
HFE-7100		4				1999				750 ppm		
iron oxide	1309371	4			2006			5 mg/M3 TWA		5 mg/M3 TWA just deleting reference to dust & fume, as FE		
Isobutyraldehyde	78842	4				2002				25 ppm		
Isocyanuric acid	108805	4				2005				10 mg/m3 (total); 5 mg/m3 (resp)		
Isophthalic acid	121915	4				1991				10 mg/m3 (total), 5 mg/m3 (resp)		
Isoprene	78795	4				2004				2 ppm		
Limonene, d-	138863	4				1993				30 ppm		
Lithium hydroxide	1310652	4				1999				1 mg/m3 (ceiling)		
Lithium oxide	12057248	4				1999				1 mg/m3 (ceiling)		
magnesite	546930	4			2006			NO PEL just total dust		10 mg/M3 WITHDRAW		
malathion	121755	4			2003			10 mg/M3 TWA	S	10 mg/M3 to 1 mg/M3 in	Skin	Pest
Melamine	108781	4				1999				10 mg/m3 (inh), 5 mg/m3 (resp)		
Methoxypropylamine, 3-	5332730	4				1996				5 ppm, 15 ppm (15-min stel)		

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methyl demeton	8022002	4			2007			0.5 mg/M3 TWA	S	0.5 mg/M3 to 0.05 mg/l	Skin	Pest
Methyltrichlorosilane	75796	4				2001				1 ppm (ceiling)		
mevinphos	7786347	4			2003			0.1 mg/M3 TWA	S	0.09 mg/M3 to 0.01 inh+	Skin	Pest
monocrotophos	69224	4			2002			0.25 mg/M3 TWA		0.25 mg/M3 TWA to 0.01	Skin	Pest
Octanol, 1-	111875	4				2005				50 ppm		
Octene, 1-	111660	4				2000				75 ppm		
parathion	56382	4			2003			0.1 mg/M3 TWA	S	0.1 mg/M3 TWA to 0.05	Skin	Pest
Pentafluoroethane, 1,1,1,2,2-	354336	4				1996				1000 ppm		
Pentafluoropropane, 1,1,1,3,3-	460731	4				2001				300 ppm		
perlite	93763703	4			2006			10 mg/M3 TWA	5 respirable	10 mg/M3 TWA WITHDRAWN		
phorate	298022	4			2005			0.05 mg/M3 TWA	0.2 STEL	0.05 mg/M3 TWA +inh&	Skin	Pest
Phosphono-1,2,4-butanetricarboxylic acid, 2-	37971	4				2006				10 mg/m3		
Picolines		4				1988				2 ppm, 5 ppm(15-min stel)	Skin	
Piperidine	110894	4				1996				1 ppm	Skin	
Polyethylene glycols	25322683	4				1997				10 mg/m3		
Polypropylene glycols	25322694	4				1997				10 mg/m3		
Potassium bromate	7758012	4				2004				0.1 mg/m3		
Propargyl bromide	106967	4				1997				0.1 ppm	Skin	
Propenoic acid isoctyl ester, 2-	29590429	4				1997				5 ppm		
Propylene glycol	57556	4				2004				10 mg/m3		
Propylene glycol monomethyl ether acetate	108656, 70657704	4				2005		100 ppm TWA 150 STEL	Skin yes	50 ppm		
Quinoline	91225	4				2006				0.001	Skin	
ronnel	299843	4			2006			10 mg/M3 TWA		10 mg/M3 TWA to 5 mg/M3 TWA inhal		Pest
silicon	7440213	4			2006			total particulate 10 mg/M3		10 mg/M3 WITHDRAWN		
Sodium chloroacetate	3926623	4				2006				2.5 mg/m3		
Sodium hypochlorite	7681529	4				1991				2 mg/m3 (15-min stel)		
sulfotepp	3689245	4			2005			0.2 mg/M3 TWA	S	0.2 mg/M3 TWA to 0.1 m	Skin	Pest
temephos	3383968	4			2005			10 mg/M3 TWA	5 respirable	10 mg/M3 TWA to 1 mg/l	Skin	Pest
Tetrachloropyridine, 2,3,5,6-	2402791	4				2000				5 mg/m3		
Tetrachlorosilane	10026047	4				1999				1 ppm (ceiling)		
Tetraethyl pyrophosphate [TEPP]	107493	4			2007			0.05 mg/M3 TWA	S	0.05 mg/M3TWA to 0.01	Skin	Pest
Tetrafluoroethane, 1,1,1,2-	811972	4				2003				1000 ppm		
Tetrahydrofurfural alcohol	97994	4				2007				0.5 ppm		
tetrasodium pyrophosphate		4			2006			5 mg/M3 TWA		5 mg/M3 TWA WITHDRAWN		
Titanium tetrachloride	7550450	4				1996				0.5 mg/m3		
Toluene diamine, 2,4- (and isomers)	25376458	4				1998				0.005 ppm	Skin	
Toluenesulfonyl chloride, p-	98599	4				1997				5 mg/m3 (ceiling)		
Trichlorosilane	10025782	4				1998				0.5 ppm (ceiling)		
trichlorphon	52686	4			2003			NEW-Pest		1 mg/M3 TWA inh		Pest
Triethoxysilane	998301	4				2000				0.05 ppm		
Triethyleneglycol diacrylate	1680213	4				1981				1 mg/m3	Skin	
Triethylenetetramine	112243	4				1998				1 ppm	Skin	
Trifluoro-2,2-dichloroethane, 1,1,1-	306832	4				2001				50 ppm		
Trifluoroethane, 1,1,1-	420462	4				1996				1000 ppm		
Trifluoroethanol, 2,2,2-	75898	4				1999				0.3 ppm		

PEL Update List of Substances

Chemical Name	CAS	HEAC Priority	HEAC mtg date / rec PEL or lead mbr	FAC mtg date / rec PEL	ACGIH Year	AIHA Year	Other Source [niosh, oehha, etc]	5155 PEL	PEL Skin notation	OEL [new or change]	Skin notation	Notations and listed OEL basis (to be verified) Red indicates used in prioritization
Trimethoxysilane	2487903	4				1997				0.05 ppm		
Trimethylamine	75503	4				2005		5 ppm TWA 15 STEL	Skin yes	1 ppm		
Trimethylchlorosilane	75774	4				2001				5 ppm (ceiling)		
Trimethylolpropane triacrylate	15625895	4				1981				1 mg/m3	Skin	
Trimethylolpropane trimethacrylate	3290924	4				1981				1 mg/m3	Skin	
Trisodium phosphate	7601549	4				1996				5 mg/m3 (15-min stel)		
Urea	57136	4				2007				10 mg/m3		
vegetable oil mist		4			2006			total particulate 10 mg/M3		10 mg/M3 TWA WTHDRAWN		
Vinyl-1-cyclohexene, 4-	100403	4				1991		0.1 ppm TWA	Skin yes	5 ppm		
Vinyltrichlorosilane	75945	4				2002				1 ppm (ceiling)		
Numerous NIOSH RELs		4					NIOSH					
Numerous OEHHA REL & Prop 65 substances		4					OEHHA					