

WORKSAFE PRIORITIES for 5155 COMMITTEE

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
WORKSAFE PRIORITY #1									
1	acetaldehyde 75070	AB 515 would cover this flavoring agent, photography, adhesives (TRI) considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	1-	cancer	OEHHA QRA 1 NIOSH carc		25 ppm C		25 ppm C based on eye & upper respiratory tract irritation A3
2	acrylamide 79061	AB 515 would cover this mixed w/ grout, used in chem/ food mfg	1 2	cancer	OEHHA QRA 2		0.03 mg/m3 skin	same, just make inh + vapor	central nervous system
3	alachlor 15972608	pesticide, considerable ag exposure, herbicide in corn and beans	1 1	cancer			none	1 mg/m3 inh + vapor	sensitizer, hemosiderosis
4	benzyl chloride 100447	AB 515 would cover this rubber adhesives, textiles	1-	cancer	OEHHA QRA 3 NIOSH REL 1 ppm C		1 ppm		1 ppm based on eye & skin & upper respiratory tract irritation A3
5	1-bromopropane 106945	AB 515 would cover this new solvent, dry cleaning, similar to DBCP considered in the 2005 5155 committee, no action taken HESIS Hazard Alert 2003	1	developmental, female, male	OEHHA QRA 4 NTP QRA		none		
6	carbon black 1333864	mfg of rubber, plastics, paper; used in coating and printing inks; coloring agent	1	cancer			3.5 mg/m3		3.5 mg/m3
7	carbon disulfide 75150	AB 515 might cover this fumigant, rayon mfg, decomp product w/ pesticide, mfg of dyes, pharmaceuticals, optical glass, specialty inks	1 1	developmental, male, female	OEHHA QRA 5		4 ppm, 30 C, 12 STEL, skin	1 ppm	peripheral nervous system

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
8	ceramic fibers	insulation (used instead of asbestos)	1	cancer	NIOSH REL 0.5 f/cc NIOSH carc		none		0.2 f/cc based on pulmonary fibrosis and impaired pulmonary function A2
9	chloroethane (ethyl chloride) 75003	AB 515 would cover this solvent	1-	cancer	OEHHA QRA 6		100 ppm skin		
10	chlorinated paraffins (C12, ~60% Cl) 108171262	AB 515 would cover this contaminant in metal working fluids, industrial cutting fluids, flame retardant, new replacement for PBDEs	1-	cancer	OEHHA QRA 7		none		
11	di- <i>n</i> -butyl phthalate 84742	nail polish, acrylic nails; spackling paste, grout colorant, paint, adhesives (TRI)	1-	developmental, female, male			5 mg/m3 (1990)		5 mg/m3 based on testicular damage, eye & upper respiratory tract irritation
12	<i>p</i> -dichlorobenzene 106467	AB 515 might cover this pesticide, chemical intermediate, deodorant, mothballs, some air fresheners, toilet deodorizers (TRI) considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	1-	cancer	OEHHA QRA 8 NIOSH carc		10 ppm		10 ppm based on eye irritation, kidney damage A3
13	1,1-dichloroethane 75343	chemical intermediate, grain fumigant, solvent	1-	cancer	NIOSH REL 100 ppm		100 ppm		100 ppm based on upper respiratory tract & eye irritation, liver & kidney damage A4
14	diesel engine exhaust	AB 515 would cover this affects trucker, rr workers, mechanics, toll booth workers, roadside inspection workers HESIS Hazard Advisory 2002	1+	cancer	OEHHA QRA 9 NIOSH carc		none		

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
15	1,4-dioxane 123911	AB 515 would cover this solvent, degreaser, stabilizer in TCE considered in the 2005 5155 committee, no action taken	1-	cancer	OEHHA QRA 10 NIOSH REL 1 ppm C NIOSH carc		25 ppm skin		20 ppm, skin, based on liver damage A3
16	ethyl benzene 100414	solvent in automotive & other cleaners (in xylene)	1	cancer	NIOSH REL 100 ppm		100 ppm		100 ppm based on upper respiratory & eyeirritation, CNS impairment A3
17	ethylene dichloride 107062	AB 515 would cover this solvent / degreaser, fumigant, vinyl chloride mfg, paint remover	1-	cancer	OEHHA QRA 11 NIOSH REL 1 ppm NIOSH carc		1 ppm		10 ppm based on liver damage, nausea A4
18	glasswool fibers (fiberglass)	insulation (used instead of asbestos) considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	1	cancer			1.0 f/cc		
19	hexachloroethane 67721	AB 515 might cover this insecticide & chemical mfg	1	cancer	OEHHA QRA 12 NIOSH REL 1ppm NIOSH carc		1 ppm skin		1 ppm, skin, based on liver & kidney damage A3
20	hexahydrophthalic anhydride 85427	curing agent in epoxy resin systems, vapor and dust inhalation hazard	1 1				none	0.0005 mg/m3 ceiling, skin, inh + vap	respiratory sensitization
21	indium phosphide 22398807	semiconductors devices, transistors and transistor matls, bearings for autos and aircraft; exposed workers complain of pains in joint and bones, nervous and GI disorders, heart pains, genl debility (ACGIH)	1-1	cancer			0.1 mg/m3	0.03 mg/m3 possible animal LOAEL	cancer per NTP testing

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
22	latex (natural rubber latex) as total protein 9006046	rubber mfg, factories, auto product retail stores, medical & dental offices and hospitals	1 1				none	0.001 mg/m3 skin	sensitizer, skin sensitization
23	mancozeb 8018017	pesticide, considerable ag exposure, heavily used EBDC fungicide	1 2	cancer			none	1 mg/m3	dermal sensitization
24	methoxyethanol acetate 2- 110496		1- 1	developmental, male	FedOSH QRA		5 ppm skin	0.1 ppm	0.1 ppm based on hematological & reproductive, male? female?
25	methoxyethanol 2- 109864		1- 1	developmental, male	FedOSH QRA		5 ppm skin	0.1 ppm	hematological & reproductive, male? female?
26	N-methylpyrrolidone 872504	AB 515 would cover this solvent, methylene chloride replacement, paint stripping, degreaser, graffiti removal, brake cleaning HESIS Health Advisory 2006	1 4	developmental, male, female	OEHHA QRA 13		none	10 ppm	
27	naphthalene 91203	AB 515 might cover this production phthalic anhydride, insecticides other material, chemical intermediate, mothballs, adhesives, pesticides (TRI)	1	cancer	OEHHA QRA 14 NIOSH REL 10 ppm		10 ppm	10 ppm skin	10 ppm, skin, based on hematologic effects, upper respiratory tract & eye irritation, eye damage A4
28	nickel and compounds 7440020 (metal) 122035752	AB 515 would cover this production of stainless steel, corrosion & heat-resistant alloys; electroplating coinage, batteries (TRI) considered in the 2005 5155 committee, no action taken	1-	cancer	OEHHA QRA 15 NIOSH REL 0.015 mg/m3 (nickel & all compounds) NIOSH carc		1 mg/m3 (metal) 1 mg/m3 (insoluble) 0.1 mg/m3 (soluble)	1.5 mg/m3 (metal) 0.1 mg/m3 (soluble) 0.2 mg/m3 (insoluble) 0.1 mg/m3 (nickel subsulfide)	1.5 mg/m3 (metal) based on dermatitis, pneumoconiosis A5 0.1 mg/m3 (soluble) based on lung damage, nasal cancer A4 0.2 mg/m3 (insoluble) based on lung cancer A1 0.1 mg/m3 (nickel subsulfide) based on lung cancer A1
29	propylene oxide 75569	AB 515 would cover this production of polyols for polyurethane mfg; fumigant for dried prunes, nuts and other foods	1-	cancer	OEHHA QRA 16		2 ppm		
30	silica, crystalline 14464461	glass making, ceramics, abrasives	1+ 2	cancer			0.1 mg/m3 respirable	0.025 mg/m3 respirable	0.025 mg/M3 based on pulmonary fibrosis A2 carcinogen (lung)

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
31	silicon carbide fibrous (including whiskers) 409212		1 1	cancer based on ACGIH?			PEL is PNOC	0.1 f/cc A2	A2 carcinogen, mesothelioma
32	styrene 100425	manufacture of polystyrene plastics, protective coatings, etc; chemical intermediate, carpets, building materials (TRI)	1 2	IARC carc Group 2B			50 ppm 500 C 100 STEL	20 ppm	20 ppm based on central nervous system, upper respiratory tract irritation, peripheral neuropathy
33	sulfuric acid (strong inorganic acid mists) 7664939	sulfur trioxide or oleum, chemical intermediate, lead-acid batteries, batteries (TRI)	1+ 1	cancer			1 mg/m3		0.2 mg/M3 based on pulmonary function (when in strong mist) A2 carcinogen
34	1,1,2,2-tetrachloroethane 79345	AB 515 would cover this solvent used for cleaning & extraction - important particularly because of skin notation	1-	cancer	OEHHA QRA 17 NIOSH REL 1 ppm skin NIOSH carc		1 ppm skin		1 ppm, skin, based on liver damage A3
35	tetrachloroethylene (perchloroethylene) 127184	AB 515 would cover this solvent dry cleaning, dry cleaning, rug/upholstery cleaners, spot removers (TRI) considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	1	cancer	OEHHA QRA 18		25 ppm		25 ppm based on
36	toluene 108883	AB 515 would cover this solvent, nail polish , auto aerosol products, adhesives, paint strippers and thinners, cleaners, paint, furniture strippers, art supplies, carpets (TRI)	1 1	developmental	OEHHA QRA 19		50 ppm skin	20 ppm	female, visual impairment

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
37	trichloroethylene (TCE) 79016	AB 515 would cover this solvent, contained in aerosol products like film cleaners, office cleaners, etc. considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	1- 1	cancer	OEHHA QRA 20 NIOSH carc		25 ppm 300 C 100 ppm STEL	10 ppm 25 ppm STEL	10 ppm based on CNS impairment, cognitive decrements, renal toxicity A2
38	TRIG (total reactive isocyanate group)	paints, coatings, polyurethane foam	1 1	respiratory sensitizer				0.017mg/m3, .07 mg/m3 STEL, inh + vap	
39	western red cedar		1 2	respiratory sensitizer			2.5 mg/m3	0.05 mg/m3 inh	sensitizer, asthma
40	wood dust (other than western red cedar)		1 2	IARC carc Group 1 respiratory sensitizer			5 mg/m3	all now 1mg/m3 not just certain hard wood	1 mg/M3 oak & beech and 0.5 mg/M3 red cedar based on pulmonary function oak & beech A1 or A2 carcinogen
WORKSAFE PRIORITY #2									
41	bromoform 75252	AB 515 would cover this solvent, ship building, aircrafts, aerospace, ingredient in pharmaceuticals	2	cancer	OEHHA QRA 21		0.5 ppm skin		
42	butyl benzyl phthalate 85687	plasticizer, manufactured in closed systems, but worker exp if incorporated into final product at higher temp; worker exp during filtering or loading / unloading tank cars	2	developmental			none		
43	carbon tetrachloride 56235	AB 515 would cover this solvent considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer	OEHHA QRA 22		2 ppm		
44	chloroprene 126998	mfg of neoprene elastomers, latex, vicious volatile chemical intermediary	2	cancer			10 ppm		

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
45	cobalt (elemental and inorganic compounds) as Co 7440484 (metal)	metal, used in tool & dye work considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer			0.02mg/m3		0.02 mg/M3 based on myocardial effects, asthma per ACGIH, respiratory disease and pulmonary sensitization per Fed OSHA
46	dichlorvos 62737	insecticide, sensitizer, pesticide, considerable ag exposure, very volatile carcinogen, also possible warehouse exposure from no-pest strip storage	2 3	cancer			0.1 ppm skin	0.1 mg/m3 inh + vap	
47	di (2-ethylhexyl) phthalate (DEHP) 117817	AB 515 would cover this bulk processing of vinyl resins, hot processing of some plasticized polystyrenes and other resins, plasticizer, mfg of DEHP-containing products pliable plastics, fabrics, apparel, hair spray (TRI)	2+	cancer, male, developmental	OEHHA QRA 23		5 mg/m3		
48	di-n-hexyl phthalate 84753	plasticizer, manufactured in closed systems, but worker exposure can occur if incorporation into final product occurs at higher temp; worker exposure during filtering or loading/unloading of tank cars	2	female, male					
49	di-isodecyl phthalate 68515491 / 26761400	worker exposure may occur during the loading & unloading of railroad cars and trucks; elevated temperatures and open process used during production of PVC products may also result in occupational exposures	2	developmental					
50	gallium arsenide 1303000		2- 1				none	0.0003 mg/m3 respirable	lower respiratory tract irritation
51	heptachlor 76448	AB 515 might cover this pesticide (structural - termites) considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer	OEHHA QRA 24		0.05mg/m3		liver damage in animals A3

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
52	hydrazine 302012	AB 515 might cover this rocket fuel, chemical intermediate considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer	OEHHA QRA 25 NIOSH REL .03 ppm NIOSH carc		0.01 ppm skin		0.01 ppm, skin, based on upper respiratory tract irritation A3
53	phenyl glycidyl ether 122601	AB 515 would cover this epoxy resin, electrical insulating, fabric treatment considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer	OEHHA QRA 26		0.1 ppm skin		
54	phenylhydrazine & salts 100630	AB 515 would cover this maintenance of mfg and storage equipment, mfg of pharmaceuticals, maintenance of boilers?	2+	cancer	OEHHA QRA 27		5 ppm skin		
55	propylene glycol mono-t-butyl ether 57018527	solvent important as it is being used to replace some other glycol ether solvents	2	cancer			none		
56	styrene oxide	AB 515 might cover this chemical intermediate	2	cancer	OEHHA QRA 28		none		
57	toluene diisocyanate	AB 515 would cover this mfg and use of polyurethane paints and electrical and thermal insulation	2	cancer	OEHHA QRA 29		0.005 ppm		0.005 ppm based on asthma
58	vinyl acetate 108054	used to produce polyvinyl acetate emulsions and polyvinyl alcohol; worker exposure via monomer production and polymerization ops considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer			10 ppm		upper resp tract, eye, skin irritation, CNS

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
59	vinyl cyclohexene dioxide 106876	used in the plastics industry as diluent in epoxy resin systems, in polymer formation and in other organic syntheses considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	2	cancer			0.1 ppm	5 ppm	reproductive effects and cancer, female, male
WORKSAFE PRIORITY #3 (to be considered at a later date or earlier depending on usage and other factors)									
3-1	aniline	AB 515 would cover this polyurethanes, printing inks, perfumes, used in closed systems	3	cancer	OEHHA QRA 30		2 ppm skin		
3-2	<i>o</i> -anisidine	AB 515 would cover this dyes, chemical intermediate	3	cancer	OEHHA QRA 31		0.5 mg/m3		
3-3	arsine 7784421	2007 TLV lowered based on relationship between inhalation of arsine and urinary arsenic which may predict chronic arsenic effects; used in mfg of semiconductors	3 1				0.05 ppm	0.005 ppm	kidney, peripheral nervous system, vascular system
3-4	Catechol	chemical intermediate	3	cancer			2 ppm		
3-5	chlrendic acid	AB 515 might cover this flame retardant, chemical intermediate	3	cancer	OEHHA QRA 32		none		
3-6	chloroform	AB 515 would cover this solvent in mfg of pharmaceuticals, rubber, essentials oils and flavors, 1989 Fed OSH QRA, may not be worth the fight if already id as carcinogen	3	cancer	OEHHA QRA 33		2 ppm		
3-7	1-chloro-4-nitrobenzene	chemical intermediate	3	cancer			0.64 mg/m3		
3-8	dichloroacetic acid 79436	chemical intermediate	3 1	cancer, male			none	0.5 ppm skin	testicular damage

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
3-9	1,1-dimethylhydrazine 540738	rocket fuel, closed system, chemical intermediate considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	3	cancer			0.025 mg/m3		
3-10	dimethyl sulfate	mfg of dyes, color agents; solvent in pharmaceutical industry	3	cancer			0.1 ppm skin		
3-11	dinitrobenzene (all isomers)	AB 515 might cover this preparation of dye and dye intermediates, synthesis of photography developers, chemical intermediate	3	cancer	OEHHA QRA 34		10 ppm		
3-12	2,4-dinitrotoluene	mfg of toluene diisocyanate used as waterproofing coating, chemical intermediate	3	cancer; male			0.15 mg/m3 skin		
3-13	2,6-dinitrotoluene	chemical intermediate	3	cancer, male			none		
3-14	hydrazobenzene (1,2-diphenylhydrazine)	AB 515 might cover this chemical intermediate	3	cancer	OEHHA QRA 35		none		
3-15	ethylene 74851	non-pesticide, considerable ag exposure, used in fruit ripening; might be a 3 as more of a safety hazard (lack of O2)	3 2				none	200 ppm	asphyxia
3-16	hexachlorobenzene	AB 515 might cover this mfg of rubber, dye intermediate, pesticide, fungicide considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	3	cancer	OEHHA QRA 36		0.002 mg/m3		
3-17	hydrogen chloride 7647010		3 1				5 ppm C	3 ppm ceiling	upper respiratory tract irritation
3-18	hydrogen fluoride 7664393		3 1				3 ppm 3 ppm C 6 ppm STEL	0.5 ppm, 2 ppm ceiling	upper and lower respiratory tract irritation
3-19	isoprene 78795	chemical intermediate	3 4	cancer			none		

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
3-20	nitromethane	solvent, rocker propellant, drag racing fuel	3	cancer			2 ppm		
3-21	2-nitropropane	solvent, chemical intermediate	3	cancer			10 ppm		
3-22	pyridine 110861	waterproofing in textiles, chemical intermediate	3 2	cancer			5 ppm	1 ppm	skin irritation, liver & kidney damage
3-23	<i>o</i> -toluidine	AB 515 might cover this mfg of dyes and dye intermediates, reagent in blood sugar determinations, chemical intermediate	3	cancer	OEHHA QRA 37		1 ppm		
3-24	<i>o</i> -toluidine hydrochloride	AB 515 might cover this mfg of textile dyes, rubber; photographic dyes; chemical intermediate	3	cancer	OEHHA QRA 38		none		
3-25	1,1,2-trichloroethane (vinyl trichloride) 79005	solvent, chemical intermediate	3	cancer	NIOSH REL 10 ppm skin NIOSH carc		10 ppm skin		10 ppm, skin, based on CNS impairment, liver damage
3-26	trimethyl phosphate	AB 515 would cover this flame retardant, methylating agent	3	cancer	OEHHA QRA 39		none		
3-27	turpentine & selected monoterpenes 8006642		3 2				100 ppm	20 ppm	dermal ? sensitizer, upper resp tract irritation, central nervous system, skin irritation
3-28	vanadium pentoxide (orthorhombic crystalline form)	chemical intermediate, catalyst, comes out of the power plant stack	3	cancer			0.05 mg/m3		
WORKSAFE PRIORITY #4 (to be considered at a later date or earlier depending on usage and other factors)									
4-1	2-butoxyethyl acetate 111072		4 1				none	20 ppm	hemolysis (not found by ACAC for 2-BTE)
4-2	benzaldehyde 100527	structural analog of gl	4 1					2 ppm	dermal sensitizer

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
4-3	epichlorohydrin 106898	AB 515 would cover this mfg of resins, coating fibers and textile surface coatings	4	cancer	OEHHA QRA 40		0.05 ppm		
4-4	ethyl acrylate 140885	denture materials, mfg of acrylic resins for paints	4	cancer			5 ppm		
4-5	furan 110009	chemical intermediate	4 4	cancer			none		
4-6	hydroxyurea	chemotherapy drug	4	developmental			none		
4-7	methyl iodide	lab reagent, insecticidal fumigant	4	cancer			2 ppm		
4-8	nitrobenzene	shoe polish, chemical intermediate	4	cancer			1 ppm		
WORKSAFE PRIORITY # ?? (WHAT HAPPENED TO THESE CHEMICALS FROM the PREVIOUS 5155 COMMITTEE? Did they drop off the map? What PRIORITY?)									
	allyl glycidyl ether	considered in the 2005 5155 committee, no action taken	3						
	coal dust	considered in the 2005 5155 committee, no action taken	3				0.2mg/m3		
	cyclonite	considered in the 2005 5155 committee, no action taken	3						
	glyoxal 107222	textiles, glues, biocides, nail polish component at .5%?, preservative in cosmetics, it's an aldehyde, considered in the 2005 5155 committee, no action taken because recommended .01 PEL didn't agree w/ TLV and/or C/O just didn't go to Stds Bd	3 2				none	0.1mg/m3	dermal sensitizer
	methyl n-butyl ketone	solvent considered in the 2005 5155 committee, no action taken	3						
	methyl vinyl ketone	solvent considered in the 2005 5155 committee, no action taken	3						
	ozone	considered in the 2005 5155 committee, no action taken	3				0.1ppm 0.3 STEL		0.05 ppm (heavy work), 0.08 (moderate work), 0.1 (light work), 0.2 < 2 hours based on asthmagen

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
	vinyl bromide	considered in the 2005 5155 committee, no action taken	3						
	4-vinylcyclohexene 199403	considered in 1997 5155 meeting, listed as a carcinogen, committee acknowledge their proposed PEL was not based on carcinogenicity due to lack of quantitative risk assessment capability	3 4	cancer			0.1 ppm	1 ppm ceiling	
	vinyl fluoride	considered in the 2005 5155 committee, no action taken	3						
BELOW are Cal/OSHA PRIORITY #1 NOT ON THE WORKSAFE LIST - NO RATIONALE for why these are #1 - DO NOT FIT P&P criteria or are simply MIRRORING ACGIH - MOVE TO BOTTOM OF LIST									
	n-butyl glycidyl ether 2426086	need use info before evaluating whether this should be a priority	not on W list 1				25 ppm	3 ppm skin	sensitizer
	1,2-chloropropanol (and 2,1) 127004, 78897	need use info before evaluating whether this should be a priority	not on W list 1				none	1 ppm skin	liver damage
	dichloroacetic acid 79436	chemical intermediate need use info before evaluating whether this should be a priority	not on W list 1	cancer			none	0.5 ppm skin	testicular damage
	diglycidyl ether (DGE) 2238075	need use info before evaluating whether this should be a priority	not on W list 1				0.1 ppm	0.01 ppm	male
	dimethyl carbamoyl chloride 79447	need use info before evaluating whether this should be a priority	not on W list 1				none	0.005 ppm skin	A2 carcinogen (nasal)
	dimethyl disulfide 624920	need use info before evaluating whether this should be a priority	not on W list 1				none	0.5 ppm skin	central nervous system
	dimethyl sulfide 75183	mfg of dyes, color agents; solvent in pharmaceutical industry need use info before evaluating whether this should be a priority	not on W list 1				none	10 ppm skin	upper respiratory irritation

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
	1,3-dioxolane 646060	need use info before evaluating whether this should be a priority	not on W list 1				none	20 ppm	hematological
	dodecyl mercaptan 1 12550	need use info before evaluating whether this should be a priority	not on W list 1				none	0.1 ppm	sensitizer, upper respiratory tract irritation
	ethyl amyl ketone PEL lists ethyl sec-amyl ketone 541855	need use info before evaluating whether this should be a priority	not on W list 1				25 ppm	10 ppm	neurotoxicity
	2,ethylhexanoic acid 149575	need use info before evaluating whether this should be a priority	not on W list 1				none	5 mg/m3	teratogen
	hexafluoropropylene 116154	need use info before evaluating whether this should be a priority	not on W list 1				none	0.1 ppm	sensitizer, kidney
	isobutyl nitrite 542563	need use info before evaluating whether this should be a priority	not on W list 1				none	1 ppm ceiling inh + vapor	vasodilation; methemoglobinemia
	1 & 2,methyl naphthalene 90120, 91576	need use info before evaluating whether this should be a priority	not on W list 1				none	0.5 ppm skin	liver, lower respiratory tract irritation
	monochloroacetic acid 79118	need use info before evaluating whether this should be a priority	not on W list 1				none	0.5 ppm inh + vapor, skin	upper respiratory tract irritation
	5-nitro-o-toluidine 99558	need use info before evaluating whether this should be a priority	not on W list 1				none	1 mg/m3 inhalable	liver
	perfluorobutyl ethylene 19430934	need use info before evaluating whether this should be a priority	not on W list 1				none	100 ppm	hematologic
	proplonaldehyde 123386	need use info before evaluating whether this should be a priority	not on W list 1				none skin	20 ppm skin	upper respiratory tract irritation

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
	tert-amyl methyl ether 994058	need use info before evaluating whether this should be a priority	not on W list 1				none	20 ppm	central nervous system, embryo fetal
	1,1,2,2-tetrabromoethane 79276	need use info before evaluating whether this should be a priority	not on W list 1				none	0.1 ppm	pulmonary edema, liver, eye & upper respiratory tract irritation
	n-vinyl-2-pyrrolidone 88120	need use info before evaluating whether this should be a priority	not on W list 1				none	0.05 ppm	liver
BELOW are Cal/OSHA PRIORITY #2 NOT ON THE WORKSAFE LIST - NO RATIONALE for why these are #1 - DO NOT FIT P&P criteria or are simply MIRRORING ACGIH - MOVE TO BOTTOM OF LIST									
	aldrin 3090021	need use info before evaluating whether this should be a priority	not on W list 2				0.25 mg/m3	0.05 mg/m3 inh + vapor, skin	central nervous system, liver and kidney damage
	allyl propyl disulfide 2179591	need use info before evaluating whether this should be a priority	not on W list 2				2 ppm	0.5 ppm	sensitizer, upper respiratory tract & eye irritation
	alylisothiocyanate 57067	need use info before evaluating whether this should be a priority	not on W list 2				none		dermal sensitization
	benzoyl chloride 98884	need use info before evaluating whether this should be a priority	not on W list 2				0.2 ppm ceiling		dermal sensitization
	butyraldehyde 123728	need use info before evaluating whether this should be a priority	not on W list 2				none	25 ppm	
	cyclohexane 110827	need use info before evaluating whether this should be a priority	not on W list 2				300 ppm	100 ppm	central nervous system
	cyclohexanone 108941	need use info before evaluating whether this should be a priority	not on W list 2				25 ppm	20 ppm 50 ppm STEL	eye and upper respiratory tract irritation
	dinitro-o-toluamide, 3,5 148016	need use info before evaluating whether this should be a priority	not on W list 2				5 mg/m3	1 mg/m3	Old TLV: liver, see new TLV documentation for latest
	glycidyl methacrylate 106912	need use info before evaluating whether this should be a priority	not on W list 2				none	0.5 ppm	dermal sensitization

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
	glyoxal 107222	need use info before evaluating whether this should be a priority	not on W list 2				none	0.1 mg/m3	dermal sensitization
	hexanediol diacrylate 1, 6- 13048334	need use info before evaluating whether this should be a priority	not on W list 2				none	1 mg/m3	dermal sensitization
	hydrogen bromide 10035106	need use info before evaluating whether this should be a priority	not on W list 2				3 ppm ceiling	2 ppm ceiling	upper respiratory tract irritation
	mercaptobenzothiazole, 2- 149304	need use info before evaluating whether this should be a priority	not on W list 2				none	5 mg/m3	dermal sensitization
	methyl propyl ketone 107879	need use info before evaluating whether this should be a priority	not on W list 2				200 ppm, 250 STEL	150 STEL	pulmonary function, eye irritation
	pentaerythritol triacrylate 3524683	need use info before evaluating whether this should be a priority	not on W list 2				none	1 mg/m3	dermal sensitization
	phenyl mercaptan 108985	need use info before evaluating whether this should be a priority	not on W list 2				0.5 ppm	0.1 ppm	central nervous system, eye & skin irritation
	propylene 115071	need use info before evaluating whether this should be a priority	not on W list 2				simple asphyxiant	500 ppm	asphyxia, upper respiratory tract irritation
	propylene dichloride (1, 2 dichloropropane) 78875	need use info before evaluating whether this should be a priority	not on W list 2				75 ppm, 110 STEL	10 ppm	sensitizer, upper respiratory tract irritation, body weight effects
	pyridine 110861	need use info before evaluating whether this should be a priority	not on W list 2				5 ppm	1 ppm	skin irritation, liver & kidney damage
	tetraethylene pentamine 112572	need use info before evaluating whether this should be a priority	not on W list 2				none	1 mg/m3	dermal sensitization
	tertraethyleneglycol diacrylate 17831719	need use info before evaluating whether this should be a priority	not on W list 2				none	1 mg/m3	dermal sensitization

	Chemical (if on Cal/OSHA 5155 list, chemical is blue)	Info re Use / Exposure / Notes	5155 priority: Worksafe black Cal/OSHA blue	Toxicity or Hazard	OEHHA QRA or NIOSH REL	Estimated cancers per 100,000 workers at current PEL	Cal/OSHA current PEL	Cal/OSHA proposed PEL	ACGIH notes
Cal/OSHA PRIORITY #3 and #4 (to be considered at a later date or earlier depending on usage and other factors) - THESE CHEMICALS WERE NOT ENTERED below because there were too many to retype. If any of them were included as Worksafe priorities, you will find them above. See #s									