



From

L. L. RIPPEY

Pittsburgh Office - 6

To

MEMORANDUM

1989 January 31

RE: California Proposition 65 - Update

FDA Preemption

The Whitehouse (Domestic Policy Council) gave the go ahead for the FDA to issue a preemption Regulation. The scope of such a regulation is not known but proposals could be published in the Fed. Reg. as early as March. Reportedly the FDA's proposal was sent to OMB last week for their review.

Updated California List

For your information an updated California list is attached which includes all chemicals recommended for listing Dec. 16 by the SAP (Science Advisory Panel). This new list includes:

238	carcinogens
39	reproductive toxicants
<u>277</u>	total chemicals

Reproductive Toxicant Safety Factor

SAP says the current 1000 fold safety factor for reproductive toxins is inappropriate and has no scientific basis. A bill has been introduced in California to replace the 1000x safety factor with a sliding scale based on the quality of toxicology data. Passage of this bill would permit California's HWA to adopt less stringent safety factors for chemicals if there is good quality, human data. Despite the reasonableness of this proposal, this bill is not expected to pass in its present form.

L. L. RIPPEY
Prop65L.FDA

LLR:mz

PLAINTIFF'S
EXHIBIT
AL-1695



511961 0002

STATE OF CALIFORNIA
HEALTH AND WELFARE AGENCY
SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and republish at least once per year the list of chemicals known to the State to cause cancer or reproductive toxicity. The identification number indicated in the following list is the Chemical Abstracts Service (CAS) Registry Number. No CAS number is given when several substances are presented as a single listing. The date refers to the initial appearance of the chemical on the list.

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER

<u>Chemical</u>	<u>CAS Number</u>	<u>Date</u>
Acetaldehyde	75070	April 1, 1988
Acetochlor	34256821	January 1, 1989 ✓
2-Acetylaminofluorene	53963	July 1, 1987
Acrylonitrile	107131	July 1, 1987
Adriamycin	23214928	July 1, 1987
AF-2; [2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688537	July 1, 1987
Aflatoxins	---	January 1, 1988
Alachlor	15972608	January 1, 1989 ✓
Alcoholic beverages, when associated with alcohol abuse	---	July 1, 1988
Aldrin	309002	July 1, 1988
ortho-Aminoazotoluene	97563	July 1, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92671	February 27, 1987
2 Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712685	July 1, 1987
Amitrole	61825	July 1, 1987
ortho-Anisidine and ortho-Anisidine hydrochloride	90040	July 1, 1987
Analgesic mixtures containing phenacetin	---	February 27, 1987
Aramite	140578	July 1, 1987
Arsenic (inorganic arsenic compounds)	---	February 27, 1987
Asbestos	1332214	February 27, 1987
Auramine	492808	July 1, 1987
Azaserine	115026	July 1, 1987
Azathioprine	446866	February 27, 1987
Benz[a]anthracene	56553	July 1, 1987
Benzene	71432	February 27, 1987
Benzidine [and its salts]	92875	February 27, 1987
Benzo[b]fluoranthene	205992	July 1, 1987
Benzo[j]fluoranthene	205823	July 1, 1987
Benzo[k]fluoranthene	207089	July 1, 1987
Benzo[a]pyrene	50328	July 1, 1987
Benzotrichloride	98077	July 1, 1987
Benzyl violet 4B	1694093	July 1, 1987
Beryllium and beryllium compounds	---	October 1, 1987
Bis(2-chloroethyl)ether	111444	April 1, 1988
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494031	February 27, 1987
Bischloroethyl nitrosourea (BCNU)	154938	July 1, 1987
Bis(chloromethyl)ether	542881	February 27, 1987
1,3-Butadiene	106990	April 1, 1988
1,4-Butanediol dimethanesulfonate (Myleran)	55981	February 27, 1987

511961 0004

beta-Butyrolactone	3068880	July 1, 1987
Cadmium and cadmium compounds	---	October 1, 1987
Captafol	2425061	October 1, 1988
Carbon tetrachloride	56235	October 1, 1987
Certain combined chemotherapy for lymphomas	---	February 27, 1987
Chlorambucil	305033	February 27, 1987
Chlordane	57749	July 1, 1988
Chlordecone (Kepone)	143500	January 1, 1988
Chlordimeform	6164983	January 1, 1989
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)	13010474	January 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU)	13909096	October 1, 1988
Chloroform	67663	October 1, 1987
Chloromethyl methyl ether (technical grade)	107302	February 27, 1987
4-Chloro-ortho-phenylenediamine	95830	January 1, 1988
Chlorothalonil	1897456	January 1, 1989 ✓
Chromium (hexavalent compounds)	---	February 27, 1987
Cisplatin	15663871	October 1, 1988
Coke oven emissions	---	February 27, 1987
Conjugated estrogens	---	February 27, 1987
Creosotes	---	October 1, 1988
para-Cresidine	120718	January 1, 1988
Cupferron	135206	January 1, 1988
Cycasin	14901087	January 1, 1988
Cyclophosphamide	50180	February 27, 1987
Dacarbazine	4342034	January 1, 1988
Daunomycin	20830813	January 1, 1988
DDD (Dichlorodiphenyldichloroethane)	72548	January 1, 1989 ✓
DDE (Dichlorodiphenyldichloroethylene)	72559	January 1, 1989 ✓
DDT (Dichlorodiphenyltrichloroethane)	50293	October 1, 1987
DDVP (Dichlorvos)	62737	January 1, 1989
2,4-Diaminoanisole sulfate	39156417	January 1, 1988
4,4'-Diaminodiphenyl ether	101804	January 1, 1988
2,4'-Diaminotoluene	95807	January 1, 1988
Dibenz[a,h]acridine	226368	January 1, 1988
Dibenz[a,j]acridine	224420	January 1, 1988
Dibenz[a,h]anthracene	53703	January 1, 1988
7H-Dibenzo[c,g]carbazole	194592	January 1, 1988
Dibenzo[a,e]pyrene	192654	January 1, 1988
Dibenzo[a,h]pyrene	189640	January 1, 1988
Dibenzo[a,i]pyrene	189559	January 1, 1988
Dibenzo[a,l]pyrene	191300	January 1, 1988
1,2-Dibromo-3-chloropropane (DBCP)	96128	July 1, 1987
p-Dichlorobenzene	106467	January 1, 1989 ✓
3,3'-Dichlorobenzidine	91941	October 1, 1987
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434868	January 1, 1988
Dichloromethane (Methylene chloride)	75092	April 1, 1988
Diieldrin	60571	July 1, 1988
Diepoxybutane	1464535	January 1, 1988
Di(2-ethylhexyl)phthalate	117817	January 1, 1988
1,2-Diethylhydrazine	1615801	January 1, 1988
Diethyl sulfate	64675	January 1, 1988
Diethylstilbestrol	56531	February 27, 1987
Dihydrosafrole	94586	January 1, 1988

3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119904	January 1, 1988
4-Dimethylaminoazobenzene	60117	January 1, 1988
trans-2-[(Dimethylamino)methylimino]-5-[2-5-nitro-2-furyl]vinyl]-1,3,4-oxadiazole	55738540	January 1, 1988
3,3'-Dimethylbenzidine (ortho-Tolidine)	119937	January 1, 1988
Dimethylcarbamoyl chloride	79447	January 1, 1988
1,2 Dimethylhydrazine	540738	January 1, 1988
Dimethyl sulfate	77781	January 1, 1988
2,4-Dinitrotoluene	121142	July 1, 1988
1,4-Dioxane	123911	January 1, 1988
Diphenylhydrazine	122667	April 1, 1988
Direct Black 38 (technical grade)	1937377	January 1, 1988
Direct Blue 6 (technical grade)	2602462	January 1, 1988
Direct Brown 95 (technical grade)	16071866	October 1, 1988
Epichlorohydrin	106898	October 1, 1987
Erionite	12510428	October 1, 1988
Estradiol 17 B	50282	January 1, 1988
Estrone	53167	January 1, 1988
Ethinylestradiol	57636	January 1, 1988
Ethylene dibromide	106934	July 1, 1987
Ethylene dichloride (1,2-Dichloroethane)	107062	October 1, 1987
Ethyleneimine	151564	January 1, 1988
Ethylene oxide	75218	July 1, 1987
Ethylene thiourea	96457	January 1, 1988
Ethyl methanesulfonate	62500	January 1, 1988
Folpet	133073	January 1, 1989 ✓
Formaldehyde (gas)	50000	January 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570750	January 1, 1988
Glycinaldehyde	765344	January 1, 1988
Gyromitrin (acetaldehyde methylformylhydrazone)	16568028	January 1, 1988
Heptachlor	76448	July 1, 1988
Heptachlor epoxide	1024573	July 1, 1988
Hexachlorobenzene	118741	October 1, 1987
Hexachlorocyclohexane (technical grade)	---	October 1, 1987
Hexachlorodibenzodioxin	34465468	April 1, 1988
Hexamethylphosphoramide	680319	January 1, 1988
Hydrazine and hydrazine sulfate	302012	January 1, 1988
Hydrazobenzene	530507	January 1, 1988
Indeno [1,2,3-cd]pyrene	193395	January 1, 1988
Iron dextran complex	9004664	January 1, 1988
Lactofen	77501634	January 1, 1989 ✓
Lasiocarpine	303344	April 1, 1988
Lead acetate	301042	January 1, 1988
Lead phosphate	7446277	April 1, 1988
Melphalan	148823	February 27, 1987
Merphalan	531760	April 1, 1988
Mestranol	72333	April 1, 1988
8-Methoxypsoralen with ultraviolet A therapy	298817	February 27, 1987
5-Methoxypsoralen with ultraviolet A therapy	484208	October 1, 1988

511961 0006

5-Ethylchrysene	3697243	April 1, 1988
5-Methylaziridine (propyleneimine)	75558	January 1, 1988
5-Methylazoxymethanol	14901087	April 1, 1988
5-Methylazoxymethanol acetate	592621	April 1, 1988
4,4'-Methylene bis(2-methylaniline)	838880	April 1, 1988
4,4'-Methylene bis(2-chloroaniline)	101144	July 1, 1987
4,4'-Methylenedianiline and its dihydrochloride	101779	January 1, 1988
Methyl iodide	74884	April 1, 1988
Methyl methanesulfonate	66273	April 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129157	April 1, 1988
N-Methyl-N'-Nitro-N-nitrosoguanidine	70257	April 1, 1988
Metronidazole	443481	January 1, 1988
Michler's ketone	90948	January 1, 1988
Mirex	2385855	January 1, 1988
Mitomycin C	50077	April 1, 1988
Monocrotaline	315220	April 1, 1988
5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)-amino]-2-oxalolidinone	139913	April 1, 1988
Mustard Gas	505602	February 27, 1987
Nafenopin	3771195	April 1, 1988
2-Naphthylamine	91598	February 27, 1987
Nickel refinery dust from the pyrometallurgical process	---	October 1, 1987
Nickel carbonyl	13463393	October 1, 1987
Nickel subsulfide	12035722	October 1, 1987
Niridazole	61574	April 1, 1988
Nitritotriacetic acid	139139	January 1, 1988
4-Nitrobiphenyl	92933	April 1, 1988
5-Nitroacenaphthene	602879	April 1, 1988
Nitrofen (technical grade)	1836755	January 1, 1988
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555840	April 1, 1988
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531828	April 1, 1988
Nitrogen mustard	51752	January 1, 1988
Nitrogen mustard hydrochloride	55867	April 1, 1988
Nitrogen mustard N-oxide and its hydrochloride	302705	April 1, 1988
2-Nitropropane	79469	January 1, 1988
N-Nitrosodi-n-butylamine	924163	October 1, 1987
N-Nitrosodiethanolamine	1116547	January 1, 1988
N-Nitrosodiethylamine	55185	October 1, 1987
N-Nitrosodimethylamine	62759	October 1, 1987
p-Nitrosodiphenylamine	156105	January 1, 1988
N-Nitrosodi-n-propylamine	621647	January 1, 1988
N-Nitroso-diphenylamine	86306	April 1, 1988
N-Nitroso-N-ethylurea	759739	October 1, 1987
N-Nitroso-N-methylurea	684935	October 1, 1987
N-Nitroso-N-methylurethane	615532	April 1, 1988
N-Nitrosomethylvinylamine	4549400	January 1, 1988
N-Nitrosomorpholine	59892	January 1, 1988
N-Nitrosornicotine	16543558	January 1, 1988
N-Nitrosopiperidine	100754	January 1, 1988
N-Nitrosopyrrolidine	930552	October 1, 1987
N-Nitrososarcosine	13256229	January 1, 1988
Oil Orange SS	2646175	April 1, 1988
Oxymetholone	434071	January 1, 1988

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P 2-furan S	---	January 1, 1988
2-phenazopyridine and its hydrochloride	136403	January 1, 1988
2-nitrobenzylamine and its hydrochloride	59861	April 1, 1988
Phenytoin and sodium salt of phenytoin	57410	January 1, 1988
Polybrominated biphenyls	---	January 1, 1988
Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	---	January 1, 1988
Polygeenan	53973981	January 1, 1988
Ponceau MX	3761533	April 1, 1988
Ponceau 3R	3564098	April 1, 1988
Procarbazine and its hydrochloride	366701	January 1, 1988
Progesterone	57830	January 1, 1988
1,3-Propane sultone	1120714	January 1, 1988
beta-Propiolactone	57578	January 1, 1988
Propylene oxide	75569	October 1, 1988
Propylthiouracil	51525	January 1, 1988
Sodium saccharin	128449	January 1, 1988
Safrole	94597	January 1, 1988
Silica, crystalline (airborne particles of respirable size)	---	October 1, 1988
Soots, tars, and lubricant base oils and derived products, specifically vacuum distillates, acid treated oils, aromatic oils, mildly solvent-refined oils, mildly hydrotreated oils, and used engine oils; and mineral oils, when used in occupations such as mulespinning, metal machining, and jute processing.	---	February 27, 1987
Sterigmatocystin	10048132	April 1, 1988
Streptozotocin	18883664	January 1, 1988
Styrene oxide	96093	October 1, 1988
Sulfallate	95067	January 1, 1988
Telone II (1,3-Dichloropropene)	542756	January 1, 1988
Testosterone and its esters	58220	April 1, 1988
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	January 1, 1988
Tetrachloroethylene (Perchloroethylene)	127184	April 1, 1988
Thioacetamide	62555	January 1, 1988
4,4'-Thiodianiline	139651	April 1, 1988
Thiourea	62566	January 1, 1988
Thorium dioxide	1314201	February 27, 1987
Tobacco, oral use of smokeless products	---	April 1, 1988
Tobacco smoke	---	April 1, 1988
ortho-Toluidine and its hydrochloride	95534	January 1, 1988
Toxaphene (polychlorinated camphenes)	8001352	January 1, 1988
Treosulfan	299752	February 27, 1987
2,4,6-Trichlorophenol	88062	January 1, 1988
Trichloroethylene	79016	April 1, 1988
Tris(1-aziridinyl)phosphine sulfide (thiotepa)	52244	January 1, 1988
Tris(2,3-dibromopropyl)phosphate	126727	January 1, 1988
Trp-P-1 (Tryptophan-P-1)	62450060	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450071	April 1, 1988
Unleaded gasoline (wholly vaporized)	---	April 1, 1988
Uracil mustard	66751	April 1, 1988
Urethane (Ethyl carbamate)	51796	January 1, 1988

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Vinyl bromide
Vinyl chloride

593602
75014

October 1, 1988
February 27, 1987

CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

Developmental toxicity

All-trans retinoic acid
Aminopterin

302794
54626

January 1, 1989 ✓
July 1, 1987

Busulfan

55981

January 1, 1989 ✓

Chlorcyclizine hydrochloride

82939

July 1, 1987

Chlorambucil

305033

January 1, 1989 ✓

Chlordecone (Kepone)

143500

January 1, 1989 ✓

Cycloheximide

66819

January 1, 1989 ✓

Cyclophosphamide

6055192

January 1, 1989 ✓

Cyhexatin

13121705

January 1, 1989 ✓

Cytarabine

147944

January 1, 1989 ✓

Diethylstilbestrol (DES)

56531

July 1, 1987

Dinoseb

88857

January 1, 1989 ✓

Diphenylhydantoin

57410

July 1, 1987

Ethyl alcohol in alcoholic beverages

64175

October 1, 1987

Ethylene glycol monoethyl ether *cellulose*

110805

January 1, 1989 ✓

Ethylene glycol monomethyl ether *methyl cellulose*

109864

January 1, 1989 ✓

Etretinate

54350480

July 1, 1987

Fluorouracil

51218

January 1, 1989 ✓

Hexachlorobenzene

118741

January 1, 1989 ✓

Iodine-131

24267569

January 1, 1989

Isotretinoin

4759482

July 1, 1987

Lead

February 27, 1987 ✓

Mechlorethamine

51752

January 1, 1989

Methotrexate

59052

January 1, 1989

Methyl mercury

July 1, 1987

Thalidomide

50351

July 1, 1987

Tobacco smoke (not environmental
tobacco smoke)

April 1, 1988

Valproate

99661

July 1, 1987

Warfarin

81812

July 1, 1987

Female reproductive toxicity

Aminopterin

54626

July 1, 1987

Ethylene oxide

75218

February 27, 1987

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Lead	---	February 27, 1987
Tobacco smoke (not environmental tobacco smoke)	---	April 1, 1988

Male reproductive toxicity

1,2-Dibromo-3-chloropropane (DBCP)	96128	February 27, 1987
Dinoseb	88857	January 1, 1989 ✓

Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monomethyl ether	109864	January 1, 1989

Lead	---	February 27, 1987
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Tobacco smoke (not environmental tobacco smoke)	---	April 1, 1988
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Date: January 1, 1989

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