

**TABLE 4  
CANCER DATA FOR CHEMICALS LISTED UNDER EPCRA SECTION 313**

CAS NO.	CHEMICAL	STATUS	BASIS	CANCER			DOSE:			TYPE OF CANCER	COMMENT
				CLASS	SPECIES	ROUTE	mg/kg/d	mg/L	ppm		
062476-59-9	Acifluorfen, sodium salt	F	Ca	B2	M	--	--			Liver	
015972-60-8	Alachlor	F	CrCa	B2	R	Dt	>/=42			Nasal/GI/Thy	
					M	Orl	200			Lung	
001912-24-9	Atrazine	F	Ca	2B	R	--	--			Mammary	
006459-94-5	C.I. Direct Red 114	F	Ca	--	R	DW	9.8-42	70-300		Liv/Skin/Zymbal/	males
							21-84	150-600		Clitoral/Oral	females
028407-37-6	C.I. Direct Blue 218	F	Ca	--	M	--	--			Liver	
					R	Dt	500			Pharynx	
000115-28-6	Chlorendic Acid	F	Ca	2B	R	--	--			--	
					M	--	--			--	
00563-47-3	3-Chloro-2-methyl-1-propene	F	Ca	--	M	Gv	--			Adr/GI	
					R	Gv	--			Adr/Testic/GI	
000095-69-2	p-Chloro-o-touidine	F	Ca	B2,2B	M	Dt	--			Vascular	
					R	Dt	--			Pituitary	
000075-72-9	Chlorotrifluoromethane (CFC-13)	F	CaE	--	H	--	--			Skin	indirect; ozone depletion
004170-30-3	Crotonaldehyde	F	Ca	--	R	--	42			Liv	
000612-83-9	3,3'-Dichlorobenzidine dihydrochloride	F	Ca	2B	--	--	--			--	
064969-34-2	3,3'-Dichlorobenzidine sulfate	F	Ca	2B	--	--	--			--	
010061-02-6	trans-1,3-Dichloropropene	F	Ca	2B	H	--	--			Lymphoma/Leukemia	trans/cis not specific
					M	Gv	50			GI/Blad/Lung	
					R	Gv	25			GI/Liv	45%cis, 47% trans isomers
					M	lhl		60		Lung	272 mg/L; gas; 50% cis, 43% trans
000101-90-6	Diglycidylresorcinol ether	F	Ca	--	R	Orl	12			GI	
					M	Orl	50			GI	
					M	Orl	70.5			Blood/Lymph/Hodgkin's	
					M	Skn	--			Skin	
020325-40-0	3,3'-Dimethoxybenzidine dihydrochloride	F	Ca	2B	R	DW	6			Skin/GI/Liv/Oral/	male doses
							7			Uterine/Cervix	female doses
111984-09-9	3,3'-Dimethoxybenzidine hydrochloride	F	Ca	2B	R	DW	6			Skin/GI/Liv/Oral/	male doses
							7			Uterine/Cervix	female doses
000612-82-8	3,3'-Dimethylbenzidine dihydrochloride	F	Ca	--	R	DW	4.2-21	30-150		GI/Liv/Lung/Oral/Skin/	
										Zymbal/Clitoral/Preputial	
										Mammary/Leuk	
041766-75-0	3,3'-Dimethylbenzidine dihydrofluoride	F	Ca	--	R	DW	4.2-21	30-150		GI/Liv/Lung/Oral/Skin/	
										Zymbal/Clitoral/Preputial	
										Mammary/Leuk	
					M	DW	0.95-26.6	5-140		Lung	
000136-45-8	Dipropyl isocinchomeronate	F	Ca	B2	R	--	--			Liv/Kid	
					M	--	--			Liv/Lung	
000133-07-3	Folpet	F	CaE	B2	M	--	--			Duodenum	
000319-84-6	alpha-Hexachlorocyclohexane	F	CaE	B2	M	Dt	--			Liv	
					R	Dt	--			Liv	
	Hydrochlorofluorocarbons (16 HCFCs)										
127564-92-5	Dichloropentafluoropropane	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
136016-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion

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				CLASS	SPECIES	ROUTE	mg/kg/d	mg/L	ppm		
28903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
11512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
00507-55-1	1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
00431-86-7	1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
00422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000422-48-0	2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000075-43-4	Dichlorofluoromethane (HCFC-21)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
001649-08-7	1,2-Dichloro-1,1-difluoroethane (HCFC-132b)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000075-88-7	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
000460-35-5	3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)	F	CrCaE	--	H	--	--			Skin	indirect; ozone depletion
	end HCFCs										
077501-63-4	Lactofen	F	CrCa	B2	M	Dt	--			Liv	
					R	Dt	--			Liv	
003653-48-3	Methoxone sodium salt	F	CrCa	--	Animal	--	--			--	potential carcinogen (phenoxy type herbicide)
000924-42-5	N-Methylolacryl amide	F	Ca	--	M	Gv	--			Liv/Lun/Ovarian	
										Harderian Gland	
009006-42-2	Metiram	F	CrCa	--	M	Dt	--			Liv/Thy	based on ETU
					R	Dt	--			Thy	
000142-59-6	Nabam	F	CrCa	--	M	Dt	--			Liv/Thy	based on ETU
					R	Dt	--			Thy	
000095-54-5	1,2-Phenylenediamine	F	Ca	B2	R	--	--			Liv	
					M	--	--			Liv	
000615-28-1	1,2-Phenylenediamine dihydrochloride	F	Ca	B2	R	--	--			Liv	
					M	--	--			Liv	
000057-41-0	Phenytoin	F	CrCa	2B	H	Orl	16.5			Lymphoma/Skin	child/1-yr exposure
					H	Orl	5.9			Neuro/Kid	offspring
					H	Orl	2			Lymphoma	woman/1-yr exposure
					M	Orl	--			Lymphoma	
	start Polycyclic aromatic compounds (19 PACs)	F	Ca								
000205-99-2	Benzo(b)fluoranthene			B2,2B	M	Lung, Sc, Skn	--			--	
000205-82-3	Benzo(j)fluoranthene			2B	M	Skn	--			Skin	female
000207-08-9	Benzo(k)fluoranthene			B2,2B	M	Lung,Skn	--			Lung/Skin	mutagenic in bacteria
000226-36-8	Dibenz(a,h)acridine			2A	Animals	--	--			--	
000224-42-0	Dibenz(a,j)acridine			2B	Animals	--	--			--	
005385-75-1	Dibenzo(a,e)fluoranthene			--	M	Skn	--			Skin	female
					M	Sc	--			Skin	
000192-65-4	Dibenzo(a,e)pyrene			2B	Animals	--	--			--	
000189-64-0	Dibenzo(a,h)pyrene			2B	Animals	--	--			--	
000191-30-0	Dibenzo(a,l)pyrene			2B	M	Sc	--			Skin	
					M	Skn	--			Skin	female
000194-59-2	7H-Dibenzo(c,g)carbazole			2B	Animals	--	--			--	

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				CLASS	SPECIES	ROUTE	mg/kg/d	mg/L	ppm		
005522-43-0	1-Nitropyrene			2B	R	Orl	--			Mammary	
					M	Skn	--			Papillomas	not stat. sig.
					Ham	ltr	--			Lung	
					R	Sc	--			Bone/Fibroma/Histio	
					R	Sc	--			Mammary/Skin	
000056-55-3	Benz(a)anthracene			--	--	--	--			--	
000218-01-9	Benzo(a)phenanthrene			--	--	--	--			--	
000050-32-8	Benzo(a)pyrene			--	--	--	--			--	
000189-55-9	Benzo(rst)pentaphene			--	--	--	--			--	
000053-70-3	Dibenzo(a,h)anthracene			--	--	--	--			--	
000057-97-6	7,12-Dimethylbenz(a)anthracene			--	--	--	--			--	
000193-39-5	Indeno[1,2,3-cd]pyrene			--	--	--	--			--	
003697-24-3	5-Methylchrysene			2B	M	Skn	--			Skin	female
	end PACs										
-NA-	Polychlorinated alkanes	F	CaE	B2	M	Gv	--			Liv/Lymph/Thy	old name: Chlorinated parafins
					R	Gv	--			Kid/Thy	
007758-01-2	Potassium bromate	F	Ca	2B	R	Orl	35-70		250-500	Kid/Mesothelioma	
000131-52-2	Sodium pentachlorophenate	F	CaE	B2	M	--	--			Liv/Hemat	
000132-27-4	Sodium o-phenylphenoxide	F	Ca	2B	--	--	--			--	
00076-87-9	Triphenyltin hydroxide	F	CrCaE	B2	R	Dt	1, 4			Pit/Leydig	
					M	Dt	0.065			Liv	
<b>PETITION ADDITIONS</b>											
000061-82-5	Amitrole	Pa	CrCa	B2,2B	R,M	Dt	--			Thyroid	
	Chlorofluorocarbons (7CFCs)										
000421-01-2	Bromochlorodifluoromethane (Halon 1211)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000075-63-8	Bromotrifluoromethane (Halon 1301)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000124-73-2	Dibromotetrafluoroethane (Halon 2402)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000075-71-8	Dichlorotetrafluoromethane (CFC-12)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000076-14-2	Dichlorotetrafluoroethane (CFC-114)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000076-15-3	Monochloropentafluoromethane (CFC-115)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000075-69-4	Trichlorofluoromethane (CFC-11)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
	end CFCs										
008001-58-9	Creosote	Pa	Ca	B1	--	--	--			--	
000764-41-0	1,4-Dichloro-2-butene	Pa	Ca	B2,3	R	lhl	--			Nasal	
000094-58-6	Dihydrosafrole	Pa	Ca	2B	M	Orl	--			Liver	
					R	Orl	--			Esophagus	
025321-14-6	Dinitrotoluene (mixed isomers)	Pa	Ca	B2	--	--	--			--	
-NA-	Ethylenebisdithiocarbamic acid, salts and esters	Pa	CrCa	B2	M	Dt	--			Lung, liver	based on data for ethylenethiourea
000075-34-3	Ethylidene dichloride	Pa	CrCa	C	R	--	--			Mammary gland	supportd by carcinogenicity of 1,2-dichloroethane
					M	--	--			Liver, uterus	supportd by carcinogenicity of 1,2-dichloroethane
	Hydrochlorofluorocarbons (11 HCFCs)										
000075-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000075-45-6	Chlorodifluoromethane (HCFC-22)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
063938-10-3	Chlorotetrafluoroethane	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion

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				CLASS	SPECIES	ROUTE	mg/kg/d	mg/L	ppm		
000354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
002837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
001717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
034077-87-7	Dichlorotrifluoroethane	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
090454-18-5	Dichloro-1,1,2-trifluoroethane	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000812-04-4	Dichloro-1,1,2-trifluoroethane (HCFC-123b)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000354-23-4	1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
000306-83-2	2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)	Pa	CrCaE	--	H	--	--			Skin	indirect toxicity; ozone depletion
	end HCFCs										
000120-58-1	Isosafrole	Pa	Ca	B2	--	--	--			--	
000099-55-8	5-Nitro-o-toluidene	Pa	Ca	C,3	M	Dt	96-184			Liver	
					R,M	--	--			--	o-toluidene and 2-methoxy-5-nitro-aniline data
023950-58-5	Pronamide	Pa	CrCa	--	M	Orl			5000	Liver	
					M	Dt	150			Liver	
					M	--	2			Liver	
000630-20-6	1,1,1,2-Tetrachloroethane	Pa	Crca	C,3	M	Orl	--			Liver	
000072-57-1	Trypan blue	Pa	Crca	B2,2B	R	Inj	--			Liver/Thymus/Kidney	
<b>PETITION DENIALS</b>											
-NA-	Antimony Compounds	Pd	CrcaE	B2	R	Ihl		0.040		Lung	antimony ore
					R	Ihl		0.042		Lung	antimony trioxide
					R	Ihl		0.045		Lung	antimony trioxide
-NA-	Cadmium Compounds	Pd	CrCaE	--	R	Ihl,Sc,Im	--	--		Lung	cadmium sulfide
					R,M	Ihl,Inj	--	--		Lung	cadmium chloride
					R,M	Ihl,Inj	--	--		Lung	cadmium sulfate
					R,M	Ihl,Inj	--	--		Lung	cadmium oxide
007440-47-3	Chromium	Pd	Ca	A,1(IARC)	H	Ihl		--		Lung	Cr-VI
-NA-	Chromium Compounds	Pd	Ca	--							Cr(III)oxide
007440-02-0	Nickel	Pd	Ca	2B(IARC)	H,Animal	Ihl		--		--	
-NA-	Nickel Compounds	Pd	Ca	A,1(IARC)	H,Animal	Ihl		--		Lung, Nasal	nickel sulfide
				A,1(IARC)	H,Animal	Ihl		--			nickel subsulfide
				B2	--	Ihl		--		--	nickel carbonyl
000090-43-7	2-Phenylphenol	Pd	CrCaE	--	R	Orl		--		Bladder/Multiple organs	4%
					M	Dt				Liv	