

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
50000	Formaldehyde	X	X	X	X	X	X		6	X	X	X	X	X
50215	Lactic acid	X		X	X		X		4					X
50704	Glucitol, D-	X		X	X		X		4					X
50817	L-Ascorbic acid	X		X	X			C	3					X
50997	D-Glucose	X		X	X		X		4					X
51285	Phenol, 2,4-dinitro-	X		X	X	X	X		5		X			
51661	p-Acetanisidide	X					X		2					
54217	Sodium salicylate	X		X	X	X			4					
55630	Nitroglycerin	X		X	X	X	X		5		X	X	X	X
56235	Carbon tetrachloride	X		X	X	X	X		5	X	X	X	X	X
56359	Bis(tributyltin) oxide	X	X	X	X	X	X		6		X			X
56406	Glycine	X	X	X	X		X		5					
56815	Glycerol	X	X	X	X	X	X		6			X	X	
56939	Ammonium, benzyltrimethyl-, chloride	X			X	X	X		4					
57103	Palmitic acid	X		X	X	X	X		5					X
57114	Stearic acid	X		X	X	X	X		5					X
57136	Urea	X		X	X	X	X	C	5					X
57501	Sucrose	X		X	X	X			4			X	X	
57556	1,2-Propanediol	X	X	X	X	X	X	U	6					X
58082	Caffeine	X		X	X	X			4					
59029	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridec			X	X				2					
59676	Nicotinic acid	X		X	X	X		C	4					
60004	Acetic acid, (ethylenedinitrilo)tetra-	X		X	X	X	X	U	5					X
60128	Phenethyl alcohol	X		X	X	X	X		5					X
60242	Ethanol, 2-mercapto-	X		X	X	X			4					
60297	Ether	X	X	X	X	X	X		6			X	X	
60333	Linoleic acid	X		X	X	X	X		5					
62237	Benzoic acid, p-nitro-	X			X	X	X		4					
62533	Aniline	X	X	X	X	X	X	U	6	X	X	X		
62544	Calcium acetate	X		X	X				3					
62566	Urea, thio-	X		X	X	X	X		5		X			
64028	Acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	X		X	X	X	X	U	5					X

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64175	Ethyl alcohol	X	X	X	X	X	X		6			X	X	
64186	Formic acid	X		X	X	X	X		5	X	X	X	X	
64197	Acetic acid	X		X	X	X	X		5			X	X	
64675	Sulfuric acid, diethyl ester	X	X	X	X	X	X		6	X	X			
65850	Benzoic acid	X	X	X	X	X	X		6					
67481	Choline, chloride	X		X	X	X	X		5					
67561	Methanol	X		X	X	X	X		5	X	X	X	X	
67630	Isopropyl alcohol	X	X	X	X	X	X	U	6	X	X	X	X	
67641	Methyl ketone	X	X	X	X	X	X	U	6			X	X	
67663	Chloroform	X	X	X	X	X	X	U	6	X	X	X	X	
67685	Methyl sulfoxide	X		X	X	X	X		5					X
67721	Ethane, hexachloro-	X	X	X	X	X	X		6		X	X	X	
68042	Citric acid, trisodium salt	X		X	X	X			4					X
68111	Acetic acid, mercapto-	X		X	X	X	X		5					X
68122	Formamide, N,N-dimethyl-	X	X	X	X	X	X		6	X	X	X	X	
68360	p-Xylene, .alpha.,.alpha.,.alpha.,.alpha.',.alpha.',.alpha.'-hexachloro-	X		X		X			3					
69658	Mannitol, D-	X			X				2					
69727	Salicylic acid	X		X	X	X	X		5					X
71238	Propyl alcohol	X	X	X	X	X	X	U	6			X	X	
71363	Butyl alcohol	X		X	X	X	X	U	5	X	X	X	X	
71410	1-Pentanol	X			X	X			3					X
71432	Benzene	X	X	X	X	X	X	U	6	X	X	X	X	
71487	Acetic acid, cobalt(2+) salt	X		X	X	X			4					
71556	Ethane, 1,1,1-trichloro	X	X	X	X	X	X		6	X	X	X	X	
74828	Methane			X	X		X		3					
74839	Methane, bromo-	X	X	X	X	X	X	U	6	X	X	X	X	
74840	Ethane				X		X		2					X
74851	Ethylene	X			X	X	X	U	4	X	X			X
74862	Ethyne	X					X		2					
74873	Methane, chloro-	X	X	X	X	X	X		6	X	X	X		
74895	Methylamine	X		X	X	X	X		5			X		
74931	Methanethiol	X			X	X	X		4			X		

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74953	Methane, dibromo-	X	X		X	X	X		5	X			
74964	Ethane, bromo-	X			X		X		3			X	
74975	Methane, bromochloro-	X	X		X	X	X		5			X	
74986	Propane	X		X	X		X		4			X	X
74997	Propyne	X			X		X		3			X	
75003	Ethane, chloro-	X	X	X	X	X	X		6	X	X	X	X
75014	Ethylene, chloro-	X	X	X	X	X	X		6	X	X	X	
75025	Ethylene, fluoro-	X	X		X		X		4				
75047	Ethylamine	X	X		X	X	X		5			X	
75058	Acetonitrile	X		X	X	X	X	U	5	X	X	X	
75070	Acetaldehyde	X	X	X	X	X	X	U	6	X	X	X	X
75081	Ethanethiol	X			X	X	X		4			X	
75092	Methane, dichloro-	X	X	X	X	X	X		6	X	X	X	X
75127	Formamide	X		X	X		X		4				
75150	Carbon disulfide	X	X	X	X	X	X	U	6	X	X	X	X
75183	Methyl sulfide	X					X		2				
75207	Calcium carbide, (CaC2)								0				
75218	Ethylene oxide	X	X	X	X	X	X	U	6	X	X	X	X
75285	Propane, 2-methyl-	X	X		X		X		4				X
75310	2-Propanamine	X		X	X	X	X		5			X	X
75343	Ethane, 1,1-dichloro-	X	X	X	X	X	X		6		X	X	X
75354	Ethylene, 1,1-dichloro-	X	X	X	X	X	X		6		X		X
75365	Acetyl chloride	X			X	X	X		4				X
75376	Ethane, 1,1-difluoro-	X	X	X	X		X		5				X
75387	Ethylene, 1,1-difluoro-	X	X	X	X		X		5				
75445	Phosgene	X					X		2		X	X	
75456	Methane, chlorodifluoro-	X	X	X	X	X	X	U	6	X	X		X
75467	Methane, trifluoro-	X			X		X		3				
75503	Trimethylamine	X		X	X	X	X		5				
75525	Methane, nitro-	X	X		X	X	X		5			X	X
75547	Silane, dichloromethyl-	X						U	1				
75569	Oxirane, methyl-	X	X	X	X	X	X	U	6	X	X	X	X

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75638	Methane, bromotrifluoro-	X		X	X		X		4		X	X		
75649	2-Propanamine, 2-methyl-	X			X	X	X		4					
75650	tert-Butyl alcohol	X	X	X	X	X	X		6	X	X	X	X	
75661	2-Propanethiol, 2-methyl-	X		X			X		3					
75683	Ethane, 1-chloro-1,1-difluoro-	X	X	X	X	X	X		6	X	X			X
75694	Methane, trichlorofluoro-	X	X		X	X	X		5	X	X	X	X	X
75718	Methane, dichlorodifluoro-	X	X	X	X	X	X		6	X	X	X	X	X
75752	Methanesulfonic acid	X		X	X		X		4					
75763	Silane, tetramethyl-	X							1					
75774	Silane, chlorotrimethyl-	X			X			U	2					
75785	Silane, dichlorodimethyl-	X						U	1					
75796	Silane, trichloromethyl-	X					X	U	2					
75865	Lactonitrile, 2-methyl-	X		X	X	X	X	C	5		X			
75876	Chloral	X			X	X	X		4					
75912	tert-Butyl hydroperoxide	X	X	X	X		X	C	5					
75945	Silane, trichlorovinyl-	X							1					
75978	2-Butanone, 3,3-dimethyl-	X				X	X		3					
75989	Propanoic acid, 2,2-dimethyl-	X				X	X		3					
76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	X	X	X	X	X	X		6	X	X	X	X	X
76142	Ethane, 1,2-dichlorotetrafluoro-	X				X	X		3	X	X	X	X	X
76153	Ethane, chloropentafluoro-	X					X		2		X			
76391	1-Propanol, 2-methyl-2-nitro-	X							1					
76879	Triphenyltin hydroxide	X	X	X	X	X			5		X			
77474	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	X	X	X	X	X	X		6		X			
77714	Hydantoin, 5,5-dimethyl-	X				X			2					
77736	4,7-Methanoindene, 3a,4,7,7a-tetrahydro-	X			X	X	X	U	4	X	X			X
77769	Propane, 2,2-dimethoxy-						X		1					
77781	Sulfuric acid, dimethyl ester	X	X	X	X	X	X	U	6		X	X		
77792	Thiophene, 2,5-dihydro-, 1,1-dioxide	X			X	X	X		4					
77850	1,3-Propanediol, 2-(hydroxymethyl)-2-methyl-	X						U	1					
77861	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	X		X	X	X	X		5					
77907	Citric acid, tributyl ester, acetate	X							1					

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77929	Citric acid	X	X	X	X	X	X		6					X
77996	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	X			X	X	X	C	4					
78002	Plumbane, tetraethyl-	X		X	X	X	X		5			X		
78104	Silicic acid, (H4SiO4), tetraethyl ester	X			X	X			3			X		
78115	Pentaerythritol, tetranitrate	X			X	X	X		4					
78400	Phosphoric acid, triethyl ester	X	X	X	X	X	X	C	6					X
78422	Phosphoric acid, tris(2-ethylhexyl) ester	X	X		X	X	X		5					
78513	Ethanol, 2-butoxy-, phosphate (3:1)	X		X	X	X	X		5					X
78591	2-Cyclohexen-1-one, 3,5,5-trimethyl-	X	X	X	X	X	X		6			X		X
78637	Peroxide, (1,1,4,4-tetramethyltetramethylene)bisOtert-butyl	X			X				2					
78671	Propionitrile, 2,2'-azobisO2-methyl-	X			X		X	U	3					
78706	1,6-Octadien-3-ol, 3,7-dimethyl-	X			X				2					X
78784	Butane, 2-methyl-	X			X		X		3					X
78795	Isoprene	X	X	X	X	X	X		6					X
78820	Isobutyronitrile	X					X		2					
78831	1-Propanol, 2-methyl-	X	X	X	X	X	X	U	6			X		X
78842	Isobutyraldehyde	X			X	X	X	U	4		X			X
78875	Propane, 1,2-dichloro-	X	X	X	X	X	X		6		X	X		
78922	sec-Butyl alcohol	X		X	X	X	X		5	X	X	X	X	
78933	2-Butanone	X	X	X	X	X	X	U	6	X	X	X	X	
78955	2-Propanone, 1-chloro-	X			X	X	X		4					
78966	2-Propanol, 1-amino-	X		X	X	X	X		5					X
78977	Lactonitrile	X				X	X	U	3					
79005	Ethane, 1,1,2-trichloro-	X	X		X	X	X	U	5	X	X	X	X	
79016	Ethylene, trichloro-	X	X	X	X	X	X	U	6	X	X	X	X	
79049	Acetyl chloride, chloro-	X			X				2					
79061	Acrylamide	X	X	X	X	X	X	U	6	X	X	X		
79094	Propionic acid	X			X	X	X		4					X
79107	2-Propenoic acid	X	X	X	X	X	X	U	6	X	X			X
79118	Acetic acid, chloro-	X			X	X	X	C	4		X			
79141	Glycolic acid	X		X	X		X		4					X
79209	Acetic acid, methyl ester	X			X	X	X	U	4			X	X	

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79210	Peroxyacetic acid	X			X		X		3	X				X
79221	Formic acid, chloro-, methyl ester	X					X		2	X				
79243	Ethane, nitro-	X	X	X	X	X	X		6				X	X
79312	Isobutyric acid	X			X		X		3					
79345	Ethane, 1,1,2,2-tetrachloro-	X	X	X	X	X	X		6	X	X	X		
79367	Acetyl chloride, dichloro-	X			X		X		3					
79389	Ethylene, chlorotrifluoro-	X	X				X		3					
79414	Methacrylic acid	X			X	X	X	U	4					X
79469	Propane, 2-nitro-	X	X	X	X	X	X		6		X	X	X	X
79925	Camphene	X			X	X		C	3					X
79947	Phenol, 4,4'-isopropylidenebisO2,6-dibromo-	X		X	X	X	X		5					
79969	Phenol, 4,4'-isopropylidenebisO2-tert-butyl-	X							1					
80057	Phenol, 4,4'-isopropylidenedi-	X		X	X	X	X	U	5	X	X			
80079	Sulfone, bis(p-chlorophenyl)	X			X	X			3					
80091	Phenol, 4,4'-sulfonyldi-	X			X	X	X		4					
80104	Silane, dichlorodiphenyl-	X							1					
80159	Hydroperoxide, .alpha.,.alpha.-dimethylbenzyl	X			X	X	X		4		X			X
80262	p-Menth-1-en-8-ol, acetate	X							1					
80433	Peroxide, bis(.alpha.,.alpha.-dimethylbenzyl)	X			X		X		3					
80466	Phenol, p-tert-pentyl-	X			X	X			3					
80513	Benzenesulfonic acid, 4,4'-oxydi-, dihydrazide				X				1					
80546	Hydrocinnamaldehyde, p-tert-butyl-.alpha.-methyl-	X		X	X	X			4					
80568	2-Pinene	X			X	X	X		4					X
80626	Methacrylic acid methyl ester	X	X	X	X	X	X	U	6	X	X	X	X	X
81072	1,2-Benzisothiazolin-3-one, 1,1-dioxide	X		X	X	X	X		5		X			
81163	1-Naphthalenesulfonic acid, 2-amino-	X			X		X		3					
81845	Naphthalic anhydride	X							1					
83410	Benzene, 1,2-dimethyl-3-nitro-					X			1					
84617	Phthalic acid, dicyclohexyl ester	X	X		X		X		4					
84651	9,10-Anthracenedione	X			X	X	X		4					
84662	Phthalic acid, diethyl ester	X		X	X	X	X		5					
84695	Phthalic acid, diisobutyl ester	X		X	X	X	X		5					

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84742	Phthalic acid, dibutyl ester	X	X	X	X	X	X	U	6		X	X	X	X
84775	Phthalic acid, didecyl ester	X							1					
85405	4-Cyclohexene-1,2-dicarboximide			X					1					
85416	Phthalimide	X		X	X	X	X		5					
85427	1,2-Cyclohexanedicarboxylic anhydride					X			1					
85438	4-Cyclohexene-1,2-dicarboxylic anhydride	X				X			2					
85449	Phthalic anhydride	X		X	X	X	X		5	X	X	X	X	X
85687	Phthalic acid, benzyl butyl ester	X	X	X	X	X	X	U	6					X
85698	Phthalic acid, butyl 2-ethylhexyl ester					X	X		2					
87025	2-Naphthalenesulfonic acid, 7-amino-4-hydroxy-	X			X				2					
87569	Mucochloric acid	X			X				2					
87616	Benzene, 1,2,3-trichloro-	X			X	X	X		4					
87901	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-	X			X	X	X		4					
88120	2-Pyrrolidinone, 1-ethenyl-	X	X		X			U	3					X
88186	Phenol, o-tert-butyl-	X				X	X		3					X
88448	m-Toluenesulfonic acid, 6-amino-	X				X			2					
88517	m-Toluenesulfonic acid, 6-amino-4-chloro-	X					X		2					
88539	p-Toluenesulfonic acid, 2-amino-5-chloro-	X			X	X	X		4					
88608	m-Cresol, 6-tert-butyl-	X				X	X		3					
88686	Benzamide, o-amino-	X				X			2					
88722	Toluene, o-nitro-	X	X	X	X	X	X	U	6			X	X	
88733	Benzene, 1-chloro-2-nitro-	X		X	X	X			4					
88744	Aniline, o-nitro-	X		X	X	X	X		5					
88857	Phenol, 2-sec-butyl-4,6-dinitro-	X		X	X	X	X		5	X				
89087	Phthalic acid, 4-sulfo-	X					X		2					
89327	1H,3H-Benzo[1,2-c:4,5-c']p'difuran-1,3,5,7-tetrone	X							1					
89656	D-erythro-Hex-2-enonic acid, .gamma.-lactone		X		X				2					
89725	Phenol, o-sec-butyl-	X			X	X	X		4					
89872	m-Xylene, 4-nitro-						X		1					
90006	Phenol, o-ethyl-	X					X		2					
90028	Salicylaldehyde	X		X	X	X	X	U	5					
90040	o-Anisidine	X			X		X	U	3	X				

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90153	1-Naphthol	X		X	X	X	X		5					
90164	1,2,3-Benzotriazin-4(3H)-one	X		X					2					
90302	1-Naphthylamine, N-phenyl-	X	X		X	X	X		5					
90437	2-Biphenylol	X	X	X	X	X	X		6		X			X
90517	2-Naphthalenesulfonic acid, 6-amino-4-hydroxy-	X				X			2					
90722	Phenol, 2,4,6-trisO(dimethylamino)methyl p-	X			X				2					X
90802	Gluconic acid, .delta.-lactone, D-			X	X		X		3					
91087	Isocyanic acid, 2-methyl-m-phenylene ester	X	X		X		X		4		X			X
91203	Naphthalene	X	X	X	X	X	X	U	6	X	X	X	X	X
91532	Quinoline, 6-ethoxy-1,2-dihydro-2,2,4-trimethyl-	X		X	X		X		4					
91645	Coumarin	X	X	X	X	X	X		6					
91667	Aniline, N,N-diethyl-	X		X	X	X	X		5					
91689	Phenol, m-(diethylamino)-				X				1					
91769	s-Triazine, 2,4-diamino-6-phenyl-	X			X				2					
92002	Ethanol, 2,2'-O(m-chlorophenyl)imino pdi-	X							1					
92159	o-Acetoacetanisidide	X					X		2					
92524	Biphenyl	X	X	X	X	X	X		6	X	X	X	X	X
92706	2-Naphthoic acid, 3-hydroxy-	X			X			U	2					
93583	Benzoic acid, methyl ester	X			X	X	X		4					X
93685	o-Acetoacetotoluidide	X							1					
93834	Oleamide, N,N-bis(2-hydroxyethyl)-					X			1					
94280	Hexanoic acid, 2-ethyl-, diester with triethylene glycol	X				X			2					
94360	Benzoyl peroxide	X	X		X	X	X		5		X	X	X	
94600	1,4-Cyclohexanedicarboxylic acid, dimethyl ester								0					
94746	Acetic acid, O(4-chloro-o-tolyl)oxy p-	X		X	X	X	X		5		X			
94757	Acetic acid, (2,4-dichlorophenoxy)-	X	X	X	X	X	X		6		X	X	X	
94962	1,3-Hexanediol, 2-ethyl-	X		X	X	X			4					
95147	1H-Benzotriazole	X	X		X	X	X		5					X
95294	2-Benzothiazolesulfenamide, N,N-diisopropyl-	X			X	X			3					
95318	2-Benzothiazolesulfenamide, N-tert-butyl-	X	X		X		X	U	4					
95329	Benzothiazole, 2-(morpholinodithio)-	X	X		X				3					
95330	2-Benzothiazolesulfenamide, N-cyclohexyl-	X		X			X	U	3					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I G H T R I	O S H A P E L	C P C
95476	Benzene, 1,2-dimethyl-	X	X	X	X	X	X		6	X	X	X
95487	o-Cresol	X	X	X	X	X	X	C	6		X	X
95498	Toluene, o-chloro-	X	X	X	X	X	X		6			X
95501	Benzene, o-dichloro-	X	X	X	X	X	X		6	X	X	X
95512	Aniline, o-chloro-	X		X	X	X	X		5			
95534	o-Toluidine	X		X	X	X	X		5		X	X
95545	o-Phenylenediamine	X		X	X	X	X	U	5		X	
95556	Phenol, o-amino-	X	X	X	X	X	X		6			
95636	Benzene, 1,2,4-trimethyl-	X		X	X	X	X		5	X	X	X
95658	3,4-Xylenol	X	X			X	X		4			
95749	p-Toluidine, 3-chloro-	X			X	X			3			
95761	Aniline, 3,4-dichloro-	X			X	X	X	U	4			
95807	Toluene-2,4-diamine	X	X	X	X	X	X	U	6		X	
95874	2,5-Xylenol	X	X			X	X		4			
95943	Benzene, 1,2,4,5-tetrachloro-	X		X	X	X	X		5			
96059	Methacrylic acid, allyl ester	X				X			2			
96093	Benzene, (epoxyethyl)-	X		X	X	X	X		5		X	
96106	Aluminum, chlorodiethyl-	X							1			
96184	Propane, 1,2,3-trichloro-	X	X	X	X	X	X		6	X	X	X
96220	3-Pentanone	X			X	X	X		4			
96231	2-Propanol, 1,3-dichloro-	X	X	X	X	X	X		6			X
96297	2-Butanone, oxime	X	X	X	X	X	X	U	6			X
96311	Urea, 1,3-dimethyl-	X		X	X	X			4			
96333	Acrylic acid methyl ester	X	X	X	X	X	X		6		X	X
96480	2(3H)-Furanone, dihydro-	X		X	X	X	X		5			X
96491	1,3-Dioxolan-2-one	X		X		X			3			
96695	m-Cresol, 4,4'-thiobisO6-tert-butyl-	X		X	X	X	X		5		X	
96764	Phenol, 2,4-di-tert-butyl-	X				X	X		3			
97007	Benzene, 1-chloro-2,4-dinitro-	X		X	X	X	X		5			
97029	Aniline, 2,4-dinitro-	X		X	X	X	X		5			
97303	Glucopyranoside, methyl, .alpha.-D-			X	X				2			X
97392	Guanidine, 1,3-di-o-tolyl-	X							1			

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
97632	Methacrylic acid, ethyl ester	X		X	X	X	X		5					X
97654	Succinic acid, methylene-					X		C	1					
97723	Isobutyric anhydride								0					
97745	Sulfide, bis(dimethylthiocarbamoyl)	X		X	X	X			4					
97778	Disulfide, bis(diethylthiocarbamoyl)	X		X	X	X			4					X
97858	Isobutyric acid, isobutyl ester	X					X		2					X
97869	Methacrylic acid, isobutyl ester	X		X	X	X	X		5					X
97881	Methacrylic acid, butyl ester	X		X	X	X	X	U	5					
97905	Methacrylic acid, ethylene ester	X			X				2					
97938	Aluminum, triethyl-	X					X		2					
98011	2-Furaldehyde	X			X	X	X	U	4				X	
98077	Toluene, .alpha.,.alpha.,.alpha.-trichloro-	X	X		X	X	X		5		X			
98099	Benzenesulfonyl chloride	X			X	X	X		4					
98113	Benzenesulfonic acid	X			X		X		3					
98135	Silane, trichlorophenyl-	X				X			2					
98168	m-Toluidine, .alpha.,.alpha.,.alpha.-trifluoro-	X			X	X	X		4					
98522	Cyclohexanol, 4-tert-butyl-	X							1					
98544	Phenol, p-tert-butyl-	X	X		X	X	X	U	5					X
98555	p-Menth-1-en-8-ol	X			X	X	X		4					
98566	Toluene, p-chloro-.alpha.,.alpha.,.alpha.-trifluoro-	X	X	X	X	X	X	U	6					
98828	Cumene	X	X	X	X	X	X	U	6	X	X	X	X	X
98839	Styrene, .alpha.-methyl-	X	X	X	X	X	X	U	6				X	X
98862	Acetophenone	X			X	X	X	U	4	X	X			X
98873	Toluene, .alpha.,.alpha.-dichloro-	X			X		X		3		X			
98884	Benzoyl chloride	X	X		X	X	X		5		X			
98920	Nicotinamide	X		X	X	X			4					X
98942	Cyclohexylamine, N,N-dimethyl-	X				X	X		3					
98953	Benzene, nitro-	X	X	X	X	X	X	U	6	X	X	X		
99047	m-Toluic acid	X							1					
99081	Toluene, m-nitro-	X		X	X	X	X		5				X	
99309	Aniline, 2,6-dichloro-4-nitro-	X		X	X	X	X		5		X			
99514	o-Xylene, 4-nitro-					X			1					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A P E L	C P C
99547	Benzene, 1,2-dichloro-4-nitro-	X		X	X	X	X		5				
99627	Benzene, m-diisopropyl-	X		X			X		3				X
99638	Isophthaloyl chloride	X				X			2				
99718	Phenol, p-sec-butyl-	X				X			2				
99752	p-Toluic acid, methyl ester	X		X					2				
99763	Benzoic acid, p-hydroxy-, methyl ester	X		X	X				3				X
99876	p-Cymene	X		X	X	X	X		5				X
99945	p-Toluic acid	X					X		2				
99967	Benzoic acid, p-hydroxy-	X		X	X	X	X	U	5				
99990	Toluene, p-nitro-	X		X	X	X	X		5			X	
100005	Benzene, 1-chloro-4-nitro-	X	X	X	X	X	X		6			X	
100016	Aniline, p-nitro-	X	X	X	X	X	X		6		X	X	
100027	Phenol, p-nitro-	X		X	X	X	X		5		X		
100185	Benzene, p-diisopropyl-	X					X		2				
100209	Terephthaloyl chloride	X		X	X	X			4				
100210	1,4-Benzenedicarboxylic acid	X	X	X	X	X	X	U	6				
100298	Phenetole, p-nitro-	X			X	X			3				
100378	Ethanol, 2-(diethylamino)-	X	X		X	X	X		5			X	X
100403	Cyclohexene, 4-vinyl-	X	X	X	X	X	X		6				X
100414	Benzene, ethyl-	X	X	X	X	X	X	U	6	X	X	X	X
100425	Styrene	X	X	X	X	X	X	U	6	X	X	X	X
100447	Toluene, .alpha.-chloro-	X	X	X	X	X	X	U	6		X	X	
100505	3-Cyclohexene-1-carboxaldehyde	X			X	X	X		4				
100516	Benzyl alcohol	X		X	X	X	X		5				X
100527	Benzaldehyde	X		X	X	X	X	C	5				X
100538	.alpha.-Toluenethiol	X			X				2				
100549	Nicotinonitrile	X		X	X	X	X		5				
100641	Cyclohexanone, oxime	X		X	X	X	X		5				
100696	Pyridine, 2-vinyl-	X					X		2				
100709	Picolinonitrile	X				X	X		3				
100970	1,3,5,7-TetraazatricycloO3.3.1.13,7 pdecane	X		X	X	X	X	U	5				X
100992	Aluminum, triisobutyl-	X							1				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
101020	Phosphorous acid, triphenyl ester	X			X	X	X		4					
101144	Aniline, 4,4'-methylenebisO2-chloro-	X			X		X		3		X			
101202	Carbanilide, 3,4,4'-trichloro-	X	X	X	X	X	X		6					
101348	Ricinolein, tri-, triacetate								0					
101542	p-Phenylenediamine, N-phenyl-	X		X	X	X			4					
101633	Ether, bis(p-nitrophenyl)				X	X			2					
101677	Diphenylamine, 4,4'-dioctyl-					X			1					
101688	Isocyanic acid, methylenedi-p-phenylene ester	X	X	X	X	X	X	U	6			X	X	
101724	p-Phenylenediamine, N-isopropyl-N'-phenyl-	X		X	X	X	X	U	5					
101779	Aniline, 4,4'-methylene-	X	X	X	X	X	X	U	6		X			
101804	Aniline, 4,4'-oxydi-	X	X	X	X	X	X		6		X			
101837	Dicyclohexylamine	X			X				2					X
101848	Phenyl ether	X		X	X	X	X		5			X	X	
101860	Cinnamaldehyde, .alpha.-hexyl-	X			X				2					X
101962	p-Phenylenediamine, N,N'-di-sec-butyl-	X			X	X			3					
102012	Acetoacetanilide	X		X	X	X	X	U	5					
102067	Guanidine, 1,3-diphenyl-	X		X	X		X		4					X
102272	m-Toluidine, N-ethyl-	X				X			2					
102603	2-Propanol, 1,1',1'',1'''-(ethylenedinitrilo)tetra-	X							1					
102716	Ethanol, 2,2',2''-nitriлотris-	X	X	X	X	X	X	C	6					X
102761	Acetin, tri-	X				X	X	U	3					
102772	Benzothiazole, 2-(morpholinothio)-	X	X	X	X	X			5					
102829	Tributylamine	X			X	X	X		4					
103093	Acetic acid, 2-ethylhexyl ester	X					X		2					
103117	Acrylic acid, 2-ethylhexyl ester	X	X		X	X	X	U	5					X
103231	Adipic acid, bis(2-ethylhexyl) ester	X	X	X	X	X	X	U	6					X
103242	Azelaic acid, bis(2-ethylhexyl) ester	X							1					
103344	Morpholine, 4,4'-dithiodi-	X			X				2					
103695	Aniline, N-ethyl-	X			X	X			3					
103764	1-Piperazineethanol	X				X			2					
104154	p-Toluenesulfonic acid	X				X	X		3					X
104381	Ethanol, 2,2'-(p-phenylenedioxy)di-								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I G L I C E R I D E S	T P C	O S H A L P C
104438	Phenol, p-dodecyl-					X			1			
104461	Anisole, p-propenyl-	X			X	X			3			
104552	Cinnamaldehyde	X		X	X	X	X		5			
104665	Ethane, 1,2-diphenoxy-	X				X			2			
104756	Hexylamine, 2-ethyl-	X			X	X			3			
104767	1-Hexanol, 2-ethyl-	X	X	X	X	X	X	U	6			X
104916	Phenol, p-nitroso-	X			X				2			
104938	Anisole, p-methyl-	X							1			X
105055	Benzene, p-diethyl-			X	X		X	U	3			X
105088	1,4-Cyclohexanedimethanol	X							1			
105168	Methacrylic acid, 2-(diethylamino)ethyl ester	X						U	1			
105306	1-Pentanol, 2-methyl-	X				X	X		3			X
105395	Acetic acid, chloro-, ethyl ester	X				X			2			
105453	Acetoacetic acid, methyl ester	X			X		X		3			
105522	Maleic acid, bis(1,3-dimethylbutyl) ester	X							1			
105566	Acetic acid, cyano-, ethyl ester	X					X		2			
105599	Ethanol, 2,2'-(methylimino)di-	X			X	X	X		4			
105602	2H-Azepin-2-one, hexahydro-	X	X	X	X	X	X		6			X
105624	Oleic acid, propylene ester								0			
105646	Peroxydicarbonic acid, diisopropyl ester	X							1			
105679	2,4-Xylenol	X	X		X	X	X		5		X	
105760	Maleic acid, dibutyl ester	X					X	C	2			
106149	Octadecanoic acid, 12-hydroxy-				X	X			2			X
106229	6-Octen-1-ol, 3,7-dimethyl-	X			X				2			X
106241	2,6-Octadien-1-ol, 3,7-dimethyl-, (E)-	X		X	X		X		4			X
106252	2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	X		X					2			X
106310	Butyric anhydride	X					X		2			
106423	p-Xylene	X	X	X	X	X	X		6	X	X	X
106434	Toluene, p-chloro-	X			X	X	X		4			X
106445	p-Cresol	X	X	X	X	X	X		6	X	X	X
106467	Benzene, p-dichloro-	X	X	X	X	X	X	U	6		X	X
106478	Aniline, p-chloro-	X			X	X	X		4		X	

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
106490	p-Toluidine	X			X	X	X		4					
106503	p-Phenylenediamine	X	X	X	X	X	X	U	6		X	X		
106638	Acrylic acid, isobutyl ester	X			X	X	X		4					
106650	Succinic acid, dimethyl ester	X		X			X		3					X
106752	Formic acid, chloro-, oxydiethylene ester	X				X			2					
106796	Sebacic acid, dimethyl ester								0					
106887	Butane, 1,2-epoxy-	X	X	X	X		X		5		X			X
106898	Propane, 1-chloro-2,3-epoxy-	X	X	X	X	X	X		6	X	X	X		
106923	Propane, 1-(allyloxy)-2,3-epoxy-	X	X	X	X	X	X		6			X		
106934	Ethane, 1,2-dibromo-	X	X	X	X	X	X		6		X	X		
106978	Butane	X	X	X	X		X		5					X
106989	1-Butene	X	X		X		X		4					
106990	1,3-Butadiene	X	X	X	X		X	U	5	X	X	X	X	
107017	2-Butene	X					X	C	2					
107028	Acrolein	X	X	X	X	X	X	U	6		X	X	X	
107039	1-Propanethiol	X				X	X		3					X
107051	Propene, 3-chloro-	X	X	X	X	X	X	U	6		X	X		
107062	Ethane, 1,2-dichloro-	X	X	X	X	X	X		6	X	X	X	X	
107120	Propionitrile	X	X	X	X	X	X		6					
107131	Acrylonitrile	X	X	X	X	X	X	U	6	X	X	X	X	
107153	Ethylenediamine	X		X	X	X	X		5			X	X	
107164	Glycolonitrile	X			X				2					
107186	2-Propen-1-ol	X		X	X	X	X		5	X	X	X		
107197	2-Propyn-1-ol	X			X	X	X		4		X			
107211	Glycol	X	X	X	X	X	X	U	6	X	X			X
107222	Glyoxal	X	X		X	X	X	U	5					X
107255	Ether, methyl vinyl	X		X			X		3					X
107299	Acetaldehyde, oxime	X			X	X	X		4					
107302	Ether, chloromethyl methyl	X			X		X		3		X	X		
107313	Formic acid, methyl ester	X			X		X		3			X		
107391	1-Pentene, 2,4,4-trimethyl-				X		X		2					
107404	2-Pentene, 2,4,4-trimethyl-						X		1					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
107415	2,4-Pentanediol, 2-methyl-	X		X	X	X	X		5					X
107459	Butylamine, 1,1,3,3-tetramethyl-	X				X			2					
107460	Disiloxane, hexamethyl-	X		X	X	X	X		5					
107562	Phosphorodithioic acid, O,O-diisopropyl ester	X				X			2					
107642	Dimethyldioctadecylammonium chloride	X				X	X	C	3					X
107879	2-Pentanone	X	X	X	X	X	X		6			X	X	
107880	1,3-Butanediol	X		X			X		3					X
107926	Butyric acid	X			X	X	X		4					X
107960	Propionic acid, 3-mercapto-	X							1					X
107982	2-Propanol, 1-methoxy-	X	X	X	X	X	X	U	6					X
108010	Ethanol, 2-(dimethylamino)-	X		X	X	X	X	C	5					X
108032	Propane, 1-nitro-	X	X		X	X	X		5			X	X	
108054	Acetic acid vinyl ester	X	X	X	X	X	X	U	6	X	X			X
108101	2-Pentanone, 4-methyl-	X	X	X	X	X	X	C	6	X	X	X	X	
108112	2-Pentanol, 4-methyl-	X			X	X	X		4			X	X	
108189	Diisopropylamine	X			X	X			3			X		
108190	Imidodicarbonic diamide						X		1					
108203	Isopropyl ether	X		X	X	X	X		5			X		
108214	Acetic acid, isopropyl ester	X				X	X		3			X	X	
108236	Formic acid, chloro-, isopropyl ester	X							1					
108247	Acetic anhydride	X		X	X	X	X	U	5			X		
108316	Maleic anhydride	X	X	X	X	X	X		6	X	X	X		
108327	Carbonic acid, cyclic propylene ester	X							1					X
108383	m-Xylene	X	X	X	X	X	X		6	X	X	X	X	
108394	Phenol, 3-methyl-	X	X	X	X	X	X		6	X	X			X
108441	Benzenamine, 3-methyl-	X			X	X	X	U	4					
108452	1,3-Benzenediamine	X	X	X	X	X	X	U	6		X			
108463	1,3-Benzenediol	X	X	X	X	X	X		6					X
108634	Adipic acid, bis(1-methylheptyl) ester								0					
108656	2-Propanol, 1-methoxy-, acetate	X		X		X	X	U	4					X
108678	Mesitylene	X		X	X	X	X		5					X
108689	3,5-Xylenol	X	X	X	X	X	X		6					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
108770	s-Triazine, 2,4,6-trichloro-	X		X		X		U	3					
108781	1,3,5-Triazine-2,4,6-triamine	X		X	X		X	U	4					X
108805	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione	X			X	X	X	U	4					
108827	4-Heptanol, 2,6-dimethyl-	X				X	X		3					
108838	4-Heptanone, 2,6-dimethyl-	X			X	X	X	U	4			X	X	
108883	Toluene	X	X	X	X	X	X	U	6	X	X	X	X	
108894	4-Picoline	X			X	X	X		4					
108907	Benzene, chloro-	X	X	X	X	X	X		6	X	X	X	X	
108918	Cyclohexylamine	X		X	X	X	X		5					
108930	Cyclohexanol	X		X	X	X	X		5	X	X	X	X	
108941	Cyclohexanone	X	X	X	X	X	X	C	6			X	X	
108952	Phenol	X	X	X	X	X	X	U	6	X	X	X	X	
108985	Benzenethiol	X		X	X	X	X		5					
108996	3-Picoline	X		X	X	X	X		5					
109068	2-Picoline	X	X		X	X	X		5		X			
109091	Pyridine, 2-chloro-	X			X	X			3					
109524	Pentanoic acid	X	X	X	X	X	X		6					
109557	1,3-Propanediamine, N,N-dimethyl-	X			X			U	2					X
109604	Acetic acid, propyl ester	X				X	X		3			X	X	
109660	Pentane	X		X	X	X	X	U	5			X	X	
109671	1-Pentene						X		1					
109693	Butane, 1-chloro-	X		X	X	X		U	4					
109728	Lithium, butyl-								0					
109739	Butylamine	X			X	X	X		4			X		
109740	Butanenitrile	X		X	X				3					
109795	1-Butanethiol	X		X	X	X	X		5			X		
109831	Ethanol, 2-(methylamino)-	X			X				2					
109864	Ethanol, 2-methoxy-	X		X	X	X	X	U	5	X	X	X	X	
109875	Methane, dimethoxy-	X			X	X	X		4			X	X	
109897	Diethylamine	X		X	X	X	X		5			X		
109999	Furan, tetrahydro-	X	X	X	X	X	X	U	6			X	X	
110032	2,5-Hexanediol, 2,5-dimethyl-								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I G L I C E R I D E	T R I G L I C E R I D E	O S H A P E L	C P C
110054	tert-Butyl peroxide	X	X	X	X		X		5				
110123	2-Hexanone, 5-methyl-	X			X	X	X		4			X	X
110156	Succinic acid	X		X	X	X			4				
110167	Maleic acid	X		X	X	X	X		5				
110178	Fumaric acid	X		X	X	X	X		5				
110189	Ethylenediamine, N,N,N',N'-tetramethyl-	X			X				2				
110190	Acetic acid, isobutyl ester	X				X			2			X	X
110270	Myristic acid, isopropyl ester	X	X			X	X	U	4				X
110292	Adipic acid, decyl octyl ester								0				
110305	Octadecanamide, N,N'-ethylenebis-	X			X				2				
110338	Adipic acid, dihexyl ester	X				X	X		3				
110429	Decanoic acid, methyl ester	X							1				
110430	2-Heptanone	X		X		X	X		4			X	X
110441	Sorbic acid	X		X	X				3				X
110543	Hexane	X	X	X	X	X	X		6	X	X	X	X
110576	2-Butene, 1,4-dichloro-, (E)-	X			X		X		3		X		
110623	Valeraldehyde	X			X	X	X		4				X
110634	1,4-Butanediol	X		X	X	X	X	U	5				X
110645	2-Butene-1,4-diol	X				X			2				
110656	2-Butyne-1,4-diol	X		X		X		U	3				
110678	Propanenitrile, 3-methoxy-	X							1				
110714	Ethane, 1,2-dimethoxy-	X		X	X				3				
110805	Ethanol, 2-ethoxy-	X		X	X	X	X	U	5		X	X	X
110827	Cyclohexane	X	X	X	X	X	X	U	6	X	X	X	X
110850	Piperazine	X		X	X	X	X	U	5				
110861	Pyridine	X		X	X	X	X		5	X	X	X	
110883	s-Trioxane				X	X	X		3				
110894	Piperidine	X		X	X	X			4				
110918	Morpholine	X	X	X	X	X	X		6			X	X
110941	Glutaric acid	X			X				2				
110963	Diisobutylamine	X			X	X			3				
110974	2-Propanol, 1,1'-iminodi-	X			X	X	X		4				X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
110985	2-Propanol, 1,1'-oxydi-	X				X	X		3					X
111115	Octanoic acid, methyl ester	X					X		2					
111148	Heptanoic acid	X	X	X	X	X	X		6					
111159	Ethanol, 2-ethoxy-, acetate	X		X	X	X	X	U	5			X	X	
111206	Sebacic acid	X			X	X	X		4					
111217	Triethylene glycol, diacetate	X		X		X	X		4					
111262	Hexylamine	X				X	X		3					
111273	Hexyl alcohol	X	X			X	X		4					X
111308	Pentanedial	X		X	X	X	X	C	5					X
111364	Butane, 1-isocyanato-	X			X	X	X		4					
111400	Diethylenetriamine	X	X	X	X	X	X	C	6					X
111411	Ethanol, 2-O(2-aminoethyl)amino p-	X			X		X		3					
111422	Ethanol, 2,2'-iminodi-	X	X	X	X	X	X	C	6	X	X			X
111444	Ether, bis(2-chloroethyl)	X			X	X	X		4		X	X		
111466	Ethanol, 2,2'-oxybis-	X		X	X	X	X	U	5					X
111488	Ethanol, 2,2'-thiodi-	X			X				2					
111499	1H-Azepine, hexahydro-	X					X		2					
111557	Ethylene glycol, diacetate	X				X	X		3					X
111604	Stearic acid, 2-hydroxyethyl ester	X							1					X
111659	Octane	X			X	X	X		4			X	X	
111660	1-Octene						X	U	1					X
111693	Adiponitrile	X		X	X	X	X	U	5					
111717	Heptanal	X			X	X	X		4					X
111762	Ethanol, 2-butoxy-	X	X	X	X	X	X	U	6			X	X	
111773	Ethanol, 2-(2-methoxyethoxy)-	X		X	X	X	X	U	5					X
111784	1,5-Cyclooctadiene	X				X	X		3					
111820	Lauric acid, methyl ester	X					X	U	2					
111842	Nonane	X					X		2					X
111853	Octane, 1-chloro-								0					
111864	Octylamine	X				X	X		3					
111875	Octyl alcohol	X		X	X	X	X		5					X
111886	1-Octanethiol								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
111900	Ethanol, 2-(2-ethoxyethoxy)-	X	X	X	X	X	X		6					X
111911	Methane, bis(2-chloroethoxy)-	X				X	X		3		X			
111922	Dibutylamine	X			X	X	X		4					
111966	Ether, bis(2-methoxyethyl)	X		X	X		X		4					
111977	Propionitrile, 3,3'-thiodi-	X				X			2					
112005	Ammonium, dodecyltrimethyl-, chloride					X	X		2					X
112027	Ammonium, hexadecyltrimethyl-, chloride	X	X		X	X			4					
112038	Trimethyloctadecylammonium chloride	X							1					
112050	Nonanoic acid	X	X	X	X	X	X		6					
112072	Ethanol, 2-butoxy-, acetate	X			X		X		3					X
112152	Ethanol, 2-(2-ethoxyethoxy)-, acetate	X			X	X	X		4					X
112185	Dodecylamine, N,N-dimethyl-	X			X	X	X	U	4					
112243	Triethylenetetramine	X	X	X	X			U	4					X
112254	Ethanol, 2-(hexyloxy)-	X							1					
112276	Triethylene glycol	X		X	X	X	X		5					X
112301	1-Decanol	X		X	X	X	X		5					X
112345	Ethanol, 2-(2-butoxyethoxy)-	X	X	X	X	X	X	U	6					X
112356	Ethanol, 2-O2-(2-methoxyethoxy)ethoxy p-	X		X	X	X	X	U	5					
112403	Dodecane	X	X	X	X		X		5					X
112414	1-Dodecene	X					X	U	2					X
112425	Undecyl alcohol	X			X	X	X		4					X
112505	Ethanol, 2-O2-(2-ethoxyethoxy)ethoxy p-	X		X		X	X	U	4					X
112527	Dodecane, 1-chloro-					X			1					
112538	Dodecyl alcohol	X			X	X	X	U	4					X
112550	Dodecyl mercaptan	X		X	X				3					
112572	Tetraethylenepentamine	X			X				2					X
112594	Ethanol, 2-O2-(hexyloxy)ethoxy p-	X							1					
112607	Tetraethylene glycol	X		X	X	X	X		5					X
112629	Oleic acid, methyl ester				X				1			X		
112696	Hexadecylamine, N,N-dimethyl-	X			X		X		3					
112709	1-Tridecanol	X				X			2					X
112721	Tetradecanol					X			1					X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
112754	Tetradecylamine, N,N-dimethyl-	X					X		2					
112801	Oleic acid	X	X	X	X	X	X		6					X
112845	Erucamide								0					X
112856	Docosanoic acid							U	0					
112867	13-Docosenoic acid, (Z)-			X					1					
112889	1-Octadecene					X	X		2					
112903	9-Octadecenylamine, (Z)-	X		X	X	X	X		5					X
112914	Oleonitrile	X							1					
112925	1-Octadecanol	X				X	X	C	3					X
115071	1-Propene	X	X		X		X		4	X	X			X
115106	Dimethyl ether	X		X	X	X	X		5					X
115117	Propene, 2-methyl-	X	X		X		X	U	4					X
115195	3-Butyn-2-ol, 2-methyl-	X			X	X		U	3					
115219	Silane, trichloroethyl-	X							1					
115275	5-Norbornene-2,3-dicarboxylic anhydride, 1,4,5,6,7,7-hexachloro-	X	X	X	X	X	X		6					
115286	5-Norbornene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-	X	X		X	X	X		5		X			
115775	Pentaerythritol	X			X	X	X	U	4			X	X	
115833	Stearic acid, neopentetetrayl ester								0					
115866	Phosphoric acid, triphenyl ester	X	X	X	X	X	X		6			X		
115957	1,6-Octadien-3-ol, 3,7-dimethyl-, acetate	X			X			U	2					X
115968	Ethanol, 2-chloro-, phosphate (3:1)	X		X	X	X	X	U	5					
116143	Ethylene, tetrafluoro-	X		X	X		X		4					
116154	Propene, hexafluoro-	X			X		X	U	3					
116530	Butyric acid, 2-methyl-	X							1					
117088	Phthalic anhydride, tetrachloro-	X		X	X	X			4					
117817	Phthalic acid, bis(2-ethylhexyl) ester	X	X	X	X	X	X	U	6	X	X	X	X	
117840	Phthalic acid, dioctyl ester	X		X	X	X	X		5					X
118296	Phthalimide, N-(hydroxymethyl)-			X	X	X			3					
118489	2H-3,1-Benzoxazine-2,4(1H)-dione			X					1					
118581	Salicylic acid, benzyl ester	X			X	X			3					X
118796	Phenol, 2,4,6-tribromo-	X		X	X	X	X		5					
118821	Phenol, 4,4'-methylenebisO2,6-di-tert-butyl-	X	X			X	X		4					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
118901	o-Toluic acid	X							1					
119062	Phthalic acid, ditridecyl ester	X			X	X	X	U	4					
119335	p-Cresol, 2-nitro-	X			X	X			3					
119368	Salicylic acid, methyl ester	X		X	X		X		4					X
119471	p-Cresol, 2,2'-methylenebisO6-tert-butyl-	X		X		X			3					
119619	Benzophenone	X			X	X	X		4					X
119642	Naphthalene, 1,2,3,4-tetrahydro-	X				X	X		3					X
120401	Dodecanamide, N,N-bis(2-hydroxyethyl)-	X							1					X
120558	Diethylene glycol, dibenzoate	X							1					
120616	Terephthalic acid, dimethyl ester	X		X	X		X	U	4					
120718	o-Anisidine, 5-methyl-	X			X		X		3		X			
120785	Benzothiazole, 2,2'-dithiobis-	X	X	X	X	X	X	U	6					X
120809	Pyrocatechol	X	X	X	X	X	X		6		X			
120821	Benzene, 1,2,4-trichloro-	X	X	X	X	X	X	U	6		X			
120832	Phenol, 2,4-dichloro-	X		X	X	X	X		5		X			
120956	Phenol, 2,4-di-tert-pentyl-	X					X		2					
121039	o-Toluenesulfonic acid, 5-nitro-	X						U	1					
121142	Toluene, 2,4-dinitro-	X	X	X	X	X	X	C	6		X	X		
121335	Vanillin	X	X	X	X	X	X	U	6					
121448	Triethylamine	X	X	X	X	X	X		6	X	X	X	X	
121459	Phosphorous acid, trimethyl ester	X	X	X	X		X		5					
121573	Sulfanilic acid	X		X	X	X	X		5					
121608	Sulfanilyl chloride, N-acetyl-	X							1					
121697	Aniline, N,N-dimethyl-	X	X	X	X	X	X	U	6		X	X		
121824	s-Triazine, hexahydro-1,3,5-trinitro-	X		X	X	X	X		5					
121868	Toluene, 2-chloro-4-nitro-					X	X		2					
121915	Isophthalic acid	X					X		2					
122190	Ammonium, benzyldimethyloctadecyl-, chloride	X			X	X			3					X
122203	2-Propanol, 1,1',1''-nitrilotri-	X			X	X	X		4					
122327	Olein, tri-								0					X
122349	s-Triazine, 2-chloro-4,6-bis(ethylamino)-	X	X	X	X	X	X		6		X			
122394	Diphenylamine	X		X	X	X	X	U	5	X	X			

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
122521	Phosphorous acid, triethyl ester	X							1					X
122623	Sebacic acid, bis(2-ethylhexyl) ester	X			X				2					X
122996	Ethanol, 2-phenoxy-	X		X	X	X	X		5					X
123013	Benzene, dodecyl-	X	X	X	X		X	U	5					
123057	Hexanal, 2-ethyl-	X			X	X	X		4					X
123079	Phenol, p-ethyl-	X				X	X		3					
123115	p-Anisaldehyde	X			X	X			3					X
123182	4-Nonanone, 2,6,8-trimethyl-	X							1					
123284	Propionic acid, 3,3'-thiodi-, didodecyl ester	X		X					2					
123308	Phenol, p-amino-	X		X	X	X	X	U	5					
123319	Hydroquinone	X	X	X	X	X	X	C	6		X	X	X	
123353	1,6-Octadiene, 7-methyl-3-methylene-	X		X		X	X		4					X
123386	Propionaldehyde	X		X	X	X	X	C	5		X			
123397	Formamide, N-methyl-	X		X	X		X		4					
123422	2-Pentanone, 4-hydroxy-4-methyl-	X			X	X	X	U	4			X	X	
123546	2,4-Pentanedione	X	X	X	X	X	X		6					
123626	Propanoic acid, anhydride	X		X			X		3					
123728	Butyraldehyde	X			X	X	X	U	4		X			X
123773	Formamide, 1,1'-azobis-	X		X	X			U	3					
123795	Adipic acid, dioctyl ester					X	X		2					
123864	Acetic acid, butyl ester	X		X	X	X	X	U	5			X	X	
123911	p-Dioxane	X		X	X	X	X	U	5	X	X	X	X	
123955	Stearic acid, butyl ester	X		X	X				3					X
123966	2-Octanol	X				X	X		3					
123999	Azelaic acid	X			X	X			3					
124049	Adipic acid	X		X	X	X	X		5					X
124072	Octanoic acid	X		X	X		X		4					X
124094	1,6-Hexanediamine	X		X	X	X	X	C	5					X
124107	Myristic acid, methyl ester								0					
124130	Octanal	X		X					2					X
124174	Ethanol, 2-(2-butoxyethoxy)-, acetate	X				X	X		3					X
124185	Decane	X			X	X	X	U	4					X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
124196	Nonanal	X			X		X		3					X
124221	Dodecylamine	X				X	X		3					
124265	Stearamide				X	X	X		3					
124287	Octadecylamine, N,N-dimethyl-	X			X	X	X		4					
124301	Octadecylamine	X	X		X	X	X		5					
124389	Carbon dioxide	X		X	X	X	X		5			X	X	
124403	Dimethylamine	X	X	X	X	X	X		6	X		X	X	
124414	Sodium methoxide	X							1					
124630	Methanesulfonyl chloride	X			X	X			3					
124685	1-Propanol, 2-amino-2-methyl-	X					X		2					X
124709	Silane, dichloromethylvinyl-	X							1					
126114	1,3-Propanediol, 2-(hydroxymethyl)-2-nitro-	X							1					X
126136	Sucrose, diacetate hexaisobutyrate	X							1					X
126307	1,3-Propanediol, 2,2-dimethyl-	X						C	1					
126330	Thiophene, tetrahydro-, 1,1-dioxide	X			X	X	X		4					
126578	Nonanoic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol								0					
126589	Dipentaerythritol							C	0					X
126738	Phosphoric acid tributyl ester	X	X	X	X	X	X	U	6			X	X	
126863	5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-								0					X
126998	1,3-Butadiene, 2-chloro-	X	X	X	X	X	X	U	6	X	X	X		
127082	Potassium acetate	X		X	X				3					
127093	Sodium acetate	X		X	X	X	X		5					
127184	Ethylene, tetrachloro-	X	X	X	X	X	X	U	6	X	X	X	X	
127195	Acetamide, N,N-dimethyl-	X	X	X	X	X	X	U	6			X		
127515	3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-								0					
127684	Benzenesulfonic acid, m-nitro-, sodium salt	X				X			2					
127913	2(10)-Pinene	X					X		2					
128041	Carbamic acid, dimethyldithio-, sodium salt	X			X	X	X		4	X				X
128370	p-Cresol, 2,6-di-tert-butyl-	X	X	X	X	X	X		6					X
128392	Phenol, 2,6-di-tert-butyl-	X			X	X	X	C	4					
128449	1,2-Benzisothiazolin-3-one, 1,1-dioxide, sodium salt	X		X	X	X			4					X
131113	Phthalic acid, dimethyl ester	X	X	X	X	X	X		6	X	X	X	X	

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
131179	Phthalic acid, diallyl ester	X			X	X	X		4					
131566	Benzophenone, 2,4-dihydroxy-	X							1					
131577	Benzophenone, 2-hydroxy-4-methoxy-	X		X	X				3					
132274	2-Biphenylol, sodium salt	X		X	X	X			4		X			X
134203	Anthranilic acid, methyl ester	X		X	X	X			4					
134623	m-Toluamide, N,N-diethyl-	X		X	X	X			4					X
135193	2-Naphthol	X			X	X	X	U	4					
136232	Zinc, bis(dibutyldithiocarbamato)-	X				X			2					
136516	Hexanoic acid, 2-ethyl-, calcium salt								0					
136527	Hexanoic acid, 2-ethyl-, cobalt(2+) salt								0					
136538	Hexanoic acid, 2-ethyl-, zinc salt								0					
137166	Sarcosine, N-lauroyl-, sodium salt								0					X
137202	Taurine, N-methyl-N-oleoyl-, sodium salt	X			X	X	X		4					
137268	Disulfide, bis(dimethylthiocarbamoyl)	X	X	X	X	X	X		6		X	X	X	
137326	1-Butanol, 2-methyl-	X				X			2					X
137406	Propionic acid, sodium salt	X			X	X			3					
138250	Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester								0					
139026	Sodium phenoxide	X							1					
139333	Acetic acid, (ethylenedinitrilo)tetra-, disodium salt	X		X	X	X			4					X
139402	s-Triazine, 2-chloro-4,6-bis(isopropylamino)-	X	X	X	X	X	X		6					
139899	Glycine, N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenedi-, trisodium salt								0					X
139968	Sulfuric acid, monododecyl ester, compd. with 2,2',2''-nitrilotriethanol (1:1)								0					X
140012	Glycine, N,N-bisO2-Obis(carboxymethyl)amino pethyl p-, pentasodium salt			X					1					
140089	Ethanol, 2-chloro-, phosphite (3:1)	X			X				2					
140114	Acetic acid, benzyl ester	X			X	X	X		4					X
140318	Piperazine, 1-(2-aminoethyl)-	X		X	X	X			4					X
140669	Phenol, p-(1,1,3,3-tetramethylbutyl)-	X		X	X	X	X	U	5					
140670	Anisole, p-allyl-	X			X				2					X
140885	Acrylic acid ethyl ester	X	X	X	X	X	X		6	X	X	X		
140932	Carbonic acid, dithio-, O-isopropyl ester, sodium salt	X				X			2					
141173	Adipic acid, bisO2-(2-butoxyethoxy)ethyl p ester	X							1					
141231	Octadecanoic acid, 12-hydroxy-, methyl ester					X			1					X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I G L I C E R I D E S	T R I P H E N Y L	O S H A P E	P C P
141322	Acrylic acid butyl ester	X	X	X	X	X	X		6	X	X		
141435	Ethanol, 2-amino-	X		X	X	X	X	U	5			X	X
141526	Ethyl alcohol, sodium salt								0				
141537	Sodium formate	X		X	X	X			4				X
141786	Acetic acid ethyl ester	X		X	X	X	X	U	5			X	X
141979	Acetoacetic acid, ethyl ester	X			X	X	X	U	4				
141980	Carbamic acid, ethylthio-, O-isopropyl ester					X			1				
142165	Maleic acid, bis(2-ethylhexyl) ester	X							1				
142223	Carbonic acid, oxydiethylene diallyl ester	X		X		X	X		4				
142303	3-Hexyne-2,5-diol, 2,5-dimethyl-	X				X			2				
142723	Magnesium acetate	X			X				2				
142734	Acetic acid, iminodi-	X		X					2				
142778	Oleic acid, butyl ester								0				
142789	Dodecanamide, N-(2-hydroxyethyl)-				X	X			2				X
142825	Heptane	X	X			X	X		4			X	X
142847	Dipropylamine	X			X	X	X		4				
142905	Methacrylic acid, dodecyl ester	X				X	X		3				
142916	Palmitic acid, isopropyl ester	X							1				X
142961	Butyl ether	X			X	X	X		4				X
143077	Lauric acid	X			X		X		3				X
143180	Oleic acid, potassium salt								0				X
143226	Ethanol, 2-O2-(2-butoxyethoxy)ethoxy p-	X		X		X	X		4				X
143237	Dihexylamine, 6,6'-diamino-	X							1				
143271	Hexadecylamine	X	X	X	X		X		5				
143282	9-Octadecen-1-ol, (Z)-					X			1				X
143293	Methane, bisO2-(2-butoxyethoxy)ethoxy p-	X							1				
144194	1,3-Pentanediol, 2,2,4-trimethyl-	X		X			X		3				
144354	Phosphorous acid, cyclic neopentetetrayl diphenyl ester								0				
144627	Oxalic acid	X		X	X	X			4			X	
144796	Silane, chloromethyldiphenyl-								0				
147148	Copper, Ophthalocyaninato(2-) p-	X			X			C	2				X
147477	Quinoline, 1,2-dihydro-2,2,4-trimethyl-	X			X	X			3				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
149304	2(3H)-Benzothiazolethione	X	X	X	X	X	X		6	X	X			X
149440	Sodium formaldehydesulfoxylate	X			X	X			3					
149575	Hexanoic acid, 2-ethyl-	X		X	X	X	X	U	5					X
149735	Orthoformic acid, trimethyl ester	X							1					
150505	Phosphorotrithious acid, tributyl ester	X				X			2		X			
150765	Phenol, p-methoxy-	X			X	X	X		4					
151213	Sulfuric acid monododecyl ester sodium salt	X	X	X	X	X	X	C	6					X
155044	2(3H)-Benzothiazolethione, zinc salt	X			X	X			3					
156434	p-Phenetidine	X			X		X	C	3					
156605	Ethylene, 1,2-dichloro-, (E)-	X		X	X	X	X		5					
280579	1,4-DiazabicycloO2.2.2 poctane	X			X	X	X		4					X
287923	Cyclopentane	X				X	X		3					X
288880	s-Triazole	X		X		X	X		4					
294622	Cyclododecane	X				X			2					
298066	Phosphorodithioic acid, O,O-diethyl ester	X			X		X		3					
298077	Phosphoric acid, bis(2-ethylhexyl) ester	X			X	X			3					
298124	Glyoxylic acid	X			X				2					
300925	Aluminum, hydroxybis(stearato)-								0					
301020	Oleamide				X				1					
301100	Hexanoic acid, 2-ethyl-, tin(2+) salt	X			X				2					X
306832	Ethane, 2,2-dichloro-1,1,1-trifluoro-	X	X	X	X	X	X		6		X			
307357	1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-								0					
311897	Tributylamine, heptacosafuoro-	X	X			X	X		4					
328847	Toluene, 3,4-dichloro-.alpha.,.alpha.,.alpha.-trifluoro-	X		X	X	X	X		5					
329011	Isocyanic acid, .alpha.,.alpha.,.alpha.-trifluoro-m-tolyl ester	X							1					
330541	Urea, 3-(3,4-dichlorophenyl)-1,1-dimethyl-	X		X	X	X	X		5		X			
334485	Decanoic acid	X		X	X				3					
352932	Ethyl sulfide	X			X				2					
353593	Methane, bromochlorodifluoro-	X	X	X	X		X		5		X			
354585	Ethane, 1,1,1-trichloro-2,2,2-trifluoro-	X					X		2					X
372098	Acetic acid, cyano-	X		X	X	X			4					
374072	Ethane, 1,1-dichlorotetrafluoro-	X							1					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
393759	Toluene, 4-chloro-.alpha.,.alpha.,.alpha.-trifluoro-3,5-dinitro-	X			X				2					
409029	Heptenone, methyl-								0					
460004	Benzene, 1-bromo-4-fluoro-	X					X		2					
461585	Guanidine, cyano-	X			X			U	2					
462066	Benzene, fluoro-	X				X	X		3					
482893	O.DELTA.2,2'-Biindoline p-3,3'-dione	X		X	X	X		U	4					
496720	Toluene-3,4-diamine	X	X	X	X		X		5					
501531	Formic acid, chloro-, benzyl ester								0					
502443	2-Oxepanone	X			X		X		3					
504609	1,3-Pentadiene	X						C	1					
506514	1-Tetracosanol								0					
506525	1-Hexacosanol								0					X
506592	Dimethylamine, hydrochloride	X		X	X				3					
506934	Guanidine, mononitrate	X			X		X		3					
513359	2-Butene, 2-methyl-				X		X		2					X
513746	Carbamic acid, dithio-, monoammonium salt				X				1					
515402	Benzene, (2-chloro-1,1-dimethylethyl)-								0					
526750	2,3-Xylenol	X	X			X	X		4					
526954	Gluconic acid, D-			X					1					X
527071	Gluconic acid, monosodium salt, D-	X							1					X
527606	Mesitol	X				X	X		3					
528290	o-Dinitrobenzene	X			X	X			3		X	X		
528449	1,2,4-Benzenetricarboxylic acid	X							1					
529339	1-Naphthol, 1,2,3,4-tetrahydro-	X							1					
529340	1(2H)-Naphthalenone, 3,4-dihydro-	X							1					
532321	Sodium benzoate	X		X	X	X	X		5					X
533744	2H-1,3,5-Thiadiazine-2-thione, tetrahydro-3,5-dimethyl-	X			X	X			3		X			
534156	Ethane, 1,1-dimethoxy-	X					X		2					
537008	Acetic acid, cerium(3+) salt	X							1					
538238	Octanoin, tri-	X		X	X				3					
538932	Benzene, isobutyl-	X		X	X	X	X		5					X
540841	Pentane, 2,2,4-trimethyl-	X		X	X		X		4					X

CASNO	CHEMICAL	A C C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
540976	Cyclohexasiloxane, dodecamethyl-	X			X	X	X		4					X
541026	Cyclopentasiloxane, decamethyl-	X		X	X	X	X		5					X
541059	Cyclotrisiloxane, hexamethyl-	X	X	X	X	X	X		6					X
541413	Formic acid, chloro-, ethyl ester	X					X		2		X			
541731	Benzene, m-dichloro-	X			X	X	X		4		X			
542109	1,1-Ethenediol, diacetate								0					
542427	Palmitic acid, calcium salt								0					
542756	Propene, 1,3-dichloro-	X	X	X	X	X	X		6		X			X
542927	1,3-Cyclopentadiene	X					X		2				X	
543395	7-Octen-2-ol, 2-methyl-6-methylene-	X				X	X		3					
544172	Calcium formate	X		X					2					
544638	Myristic acid	X			X				2					
544763	Hexadecane	X		X	X	X	X		5					X
546689	Isopropyl alcohol, titanium(4+) salt	X							1					
547648	Lactic acid, methyl ester	X							1					
550447	Phthalimide, N-methyl-	X		X					2					
552307	1,2,4-Benzenetricarboxylic acid, cyclic 1,2-anhydride	X		X	X		X		4					
553264	4,4'-Bipyridine	X	X						2					
554121	Propionic acid, methyl ester	X				X	X		3					X
555317	2-Propanol, aluminum salt	X							1					
555759	Aluminum ethoxide				X				1					
556616	Methane, isothiocyanato-	X		X		X	X		4		X			X
556672	Cyclotetrasiloxane, octamethyl-	X	X	X	X	X	X	U	6					X
556821	2-Buten-1-ol, 3-methyl-	X					X		2					
556887	Guanidine, nitro-	X			X		X		3					
557040	Magnesium stearate			X					1					
557051	Stearic acid, zinc salt	X						U	1				X	
557619	1-Octacosanol								0					
558372	1-Butene, 3,3-dimethyl-						X		1					
563439	Aluminum, dichloroethyl-								0					
563473	Propene, 3-chloro-2-methyl-	X	X	X	X	X	X		6		X			
563724	Oxalic acid, calcium salt (1:1)								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
563804	2-Butanone, 3-methyl-	X			X	X	X		4					
576261	2,6-Xylenol	X	X		X	X	X	U	5		X			
577117	Succinic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	X		X	X	X	X		5					X
579668	Aniline, 2,6-diethyl-	X			X	X			3					
582252	Potassium benzoate								0					
583788	Phenol, 2,5-dichloro-	X			X	X	X		4					
584849	Isocyanic acid, 4-methyl-m-phenylene ester	X	X		X	X	X		5		X	X	X	X
586629	p-Mentha-1,4(8)-diene	X					X		2					X
590012	Propionic acid, butyl ester	X				X			2					X
590181	2-Butene, (Z)-						X		1					
590192	1,2-Butadiene						X		1					
592416	1-Hexene	X					X	U	2					X
592450	1,4-Hexadiene	X			X				2					
592518	4-Pentenenitrile	X							1					
593817	Trimethylamine, hydrochloride	X		X		X			3					
594423	Methanesulfonyl chloride, trichloro-	X			X		X		3		X	X		
597319	Hydracrylaldehyde, 2,2-dimethyl-	X							1					
598561	Ethylamine, N,N-dimethyl-	X							1					
598721	Propionic acid, 2-bromo-				X				1					
598981	Pivalic acid, methyl ester								0					
599644	Phenol, p-(.alpha.,.alpha.-dimethylbenzyl)-	X					X		2					
602017	Toluene, 2,3-dinitro-	X	X	X	X	X	X		6					
603350	Phosphine, triphenyl-	X			X	X	X		4					
606202	Toluene, 2,6-dinitro-	X	X	X	X	X	X		6		X			
609938	p-Cresol, 2,6-dinitro-	X			X				2					
610399	Toluene, 3,4-dinitro-	X	X	X	X	X	X		6					
611198	Toluene, o,.alpha.-dichloro-	X				X	X		3					
612839	Benzidine, 3,3'-dichloro-, dihydrochloride	X			X	X	X		4		X			
614459	Peroxybenzoic acid, tert-butyl ester	X			X				2					
616217	Butane, 1,2-dichloro-								0					
616239	1-Propanol, 2,3-dichloro-	X			X	X	X		4					
616455	2-Pyrrolidinone	X		X	X	X	X		5					

CASNO	CHEMICAL	A C C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
617947	Benzyl alcohol, .alpha.,.alpha.-dimethyl-	X			X	X	X		4					
619158	Toluene, 2,5-dinitro-	X	X	X	X	X	X		6					
619669	Terephthalaldehydic acid				X				1					
620177	Phenol, m-ethyl-	X					X		2					
620224	Benzonitrile, 3-methyl-	X			X				2					
622979	Styrene, p-methyl-	X			X	X	X		4					
623916	Fumaric acid, diethyl ester	X				X		U	2					
624419	1-Butanol, 2-methyl-, acetate	X		X					2					
624646	2-Butene, (E)-						X		1					
624839	Isocyanic acid, methyl ester	X		X	X		X		4		X	X		
624920	Methyl disulfide	X		X			X		3					
625558	Formic acid, isopropyl ester	X							1					
626175	Isophthalonitrile	X		X	X	X			4					
627838	Stearic acid, ethylene ester								0					X
627930	Adipic acid, dimethyl ester	X	X	X		X			4					X
628137	Pyridine, hydrochloride	X	X		X				3					
628637	Acetic acid, pentyl ester	X		X	X	X	X	U	5			X	X	
628966	Ethylene nitrate	X			X				2			X		
629118	1,6-Hexanediol	X						U	1					
629505	Tridecane	X					X		2					X
629594	Tetradecane	X			X		X	U	3					X
629629	Pentadecane	X		X			X		3					X
629732	1-Hexadecene	X					X		2					
629765	1-Pentadecanol								0					
629798	Palmitonitrile								0					
629969	1-Eicosanol								0					
630080	Carbon monoxide	X		X	X	X	X		5			X		
630206	Ethane, 1,1,1,2-tetrachloro-	X	X		X	X	X		5		X			X
632791	Phthalic anhydride, tetrabromo-	X		X	X	X	X		5					
634662	Benzene, 1,2,3,4-tetrachloro-	X		X	X	X	X		5					
636533	Isophthalic acid, diethyl ester	X							1					
637127	Aluminum stearate								0					

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638380	Acetic acid, manganese(2+) salt	X			X				2					
638653	Stearonitrile	X							1					
643389	2,3-Quinolinedecarboxylic acid								0					
644973	Phosphonous dichloride, phenyl-	X							1					
645625	2-Hexenal, 2-ethyl-	X	X		X	X			4					
646060	Dioxolane	X	X	X	X	X	X		6					
646139	Stearic acid, isobutyl ester								0					
661198	1-Docosanol	X							1					
669909	D-arabino-Hexulosonic acid								0					
673847	2,4,6-Octatriene, 2,6-dimethyl-								0					
674828	3-Butenoic acid, 3-hydroxy-, .beta.-lactone	X			X				2					
675627	Silane, dichloromethyl(3,3,3-trifluoropropyl)-	X							1					
681845	Methyl silicate, ((MeO)4Si)	X					X		2					
683181	Dibutyltin dichloride	X		X	X	X	X		5					
688846	Methacrylic acid, 2-ethylhexyl ester	X						U	1					
689112	Urea, sec-butyl-	X							1					
693072	Sulfide, 2-chloroethyl ethyl	X			X				2					
693210	Diethylene glycol, dinitrate	X		X		X			3					
693232	Dodecanedioic acid	X						C	1					
693334	Ammonium, (carboxymethyl)hexadecyldimethyl-, hydroxide, inner salt	X		X					2					
693367	Propionic acid, 3,3'-thiodi-, dioctadecyl ester	X							1					
693958	Thiazole, 4-methyl-	X							1					
694837	1,2-Cyclohexanediamine	X							1					
719324	Terephthaloyl chloride, tetrachloro-								0					
732263	Phenol, 2,4,6-tri-tert-butyl-	X		X	X	X	X		5					
753731	Stannane, dichlorodimethyl-	X			X	X	X		4					
756796	Phosphonic acid, methyl-, dimethyl ester	X		X	X		X		4					
756809	Phosphorodithioic acid, O,O-dimethyl ester	X		X	X	X			4					
760236	1-Butene, 3,4-dichloro-	X		X	X	X		U	4					
760678	Hexanoyl chloride, 2-ethyl-	X							1					
763699	Propionic acid, 3-ethoxy-, ethyl ester	X		X	X				3					X
764410	2-Butene, 1,4-dichloro-	X	X	X	X	X	X		6	X				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
768525	Aniline, N-isopropyl-	X		X	X	X			4					
770354	2-Propanol, 1-phenoxy-	X				X			2					
793248	p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	X		X	X	X	X		5					
815178	Butyric acid, 3,3-dimethyl-2-oxo-								0					
818086	Dibutyltin oxide	X		X			X		3					
818611	Acrylic acid, 2-hydroxyethyl ester	X	X		X	X	X		5					
822060	Isocyanic acid, hexamethylene ester	X	X		X	X	X		5					X
822162	Stearic acid, sodium salt	X			X	X	X		4					
823405	Toluene-2,6-diamine	X	X		X	X	X		5					
824782	Phenol, p-nitro-, sodium salt	X							1					
825901	Benzenesulfonic acid, p-hydroxy-, monosodium salt					X			1					
830137	Cyclododecanone								0					
836306	Diphenylamine, 4-nitro-	X		X			X	U	3					
839907	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2-hydroxyethyl)-						X		1					
866842	Citric acid, tripotassium salt			X	X				2					
868779	Methacrylic acid, 2-hydroxyethyl ester	X		X	X	X		U	4					X
868859	Phosphonic acid, dimethyl ester	X	X		X	X	X		5					
870724	Methanesulfonic acid, hydroxy-, monosodium salt	X				X	X		3					
872059	1-Decene	X					X	U	2					X
872504	2-Pyrrolidinone, 1-methyl-	X	X	X	X	X	X		6	X	X			X
882337	Phenyl disulfide	X				X			2					
918047	Ethanesulfonic acid, 1-hydroxy-, monosodium salt	X							1					
919302	Propylamine, 3-(triethoxysilyl)-	X	X		X	X			4					X
919313	Propionitrile, 3-(triethoxysilyl)-	X							1					
923024	Acrylamide, N-(hydroxymethyl)-2-methyl-	X							1					
924425	Acrylamide, N-(hydroxymethyl)-	X		X	X				3		X			
925213	Maleic acid, monobutyl ester								0					
926578	2-Butene, 1,3-dichloro-	X							1					
927071	Peroxyipivalic acid, tert-butyl ester	X							1					
928723	Acetic acid, iminodi-, disodium salt	X							1					
929066	Ethanol, 2-(2-aminoethoxy)-	X			X				2					X
930698	Benzenethiol, sodium salt								0					

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A L E	P E L L E	C P C
939979	Benzaldehyde, p-tert-butyl-	X		X	X		X		4				
947046	Azacyclotridecan-2-one	X							1				
960714	Borane, triphenyl-	X							1				
993168	Stannane, trichloromethyl-	X		X		X	X		4				
993431	Phosphonothioic dichloride, ethyl-		X		X				2				
994365	Citric acid, sodium salt								0				
999973	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-	X			X	X	X		4				
1000824	Urea, (hydroxymethyl)-	X							1				
1002626	Decanoic acid, sodium salt				X	X			2				
1002693	Decane, 1-chloro-								0				
1002897	Stearic acid, ammonium salt								0				X
1047161	QuinoO2,3-b pacridine-7,14-dione, 5,12-dihydro-	X			X	X	X		4				
1066359	Silane, chlorodimethyl-								0				
1067534	Silane, tris(2-methoxyethoxy)vinyl-	X				X			2				
1070004	Aluminum, trioctyl-								0				
1074824	Phthalimide, potassium salt					X			1				
1103384	C.I. Pigment Red 49, barium salt (2:1)	X			X				2				X
1111780	Ammonium carbamate	X			X	X			3				
1115204	Hydracrylic acid, 2,2-dimethyl-, 3-hydroxy-2,2-dimethylpropyl ester								0				
1116707	Aluminum, tributyl-								0				
1116730	Aluminum, trihexyl-								0				
1118929	Octanamide, N,N-dimethyl-	X							1				
1119400	Glutaric acid, dimethyl ester	X		X					2				X
1120214	Undecane	X					X		2				X
1120361	1-Tetradecene						X	U	1				
1152610	Aspartic acid, N-carboxy-, N-benzyl ester, L-							U	0				
1163195	Ether, bis(pentabromophenyl)	X	X	X	X	X	X		6	X	X		
1185553	Silane, trimethoxymethyl-	X			X	X		U	3				
1203174	Indan, 1,1,2,3,3-pentamethyl-						X		1				
1217089	5-Indanethanol, .beta.,1,1,2,3,3-hexamethyl-								0				
1222055	CyclopentaOg p-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-								0				
1241947	Phosphoric acid, 2-ethylhexyl diphenyl ester	X		X	X	X	X		5				X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A P E L	C P C
1300716	Xylenol	X	X				X		3				X
1300727	Xylenesulfonic acid, sodium salt	X			X				2				X
1300738	Xylidine	X					X		2			X	
1319773	Cresol	X	X	X	X	X	X		6	X	X	X	X
1321740	Benzene, divinyl-	X			X				2				
1321944	Naphthalene, methyl-	X			X	X	X	U	4				X
1323393	Octadecanoic acid, monoester with 1,2-propanediol	X			X				2				X
1323655	Phenol, dinonyl-	X				X	X		3				
1324761	C.I. Pigment Blue 61								0				
1328536	C.I. Pigment Green 7				X				1				X
1330207	Xylene	X	X	X	X	X	X		6	X	X	X	X
1330616	Acrylic acid, isodecyl ester	X							1				
1330785	Phosphoric acid, tritoyl ester	X		X	X	X	X		5				
1330865	Adipic acid, diisooctyl ester						X		1				
1333079	ar-Toluenesulfonamide	X							1				
1333397	Benzenesulfonic acid, hydroxy-	X							1				
1333864	Carbon black	X	X		X		X		4			X	X
1338029	Naphthenic acids, copper salts	X		X		X			3				X
1338234	2-Butanone, peroxide	X			X				2				
1338245	Naphthenic acids	X		X		X			3				
1338392	Sorbitan, monolaurate	X	X	X					3				
1338416	Sorbitan, monostearate	X		X					2				X
1338438	Sorbitan, monooleate				X	X		U	2				X
1401554	Tannins	X		X	X	X			4				
1435718	p-Cresol, 2-O(o-nitrophenyl)azo p-								0				
1445450	Orthoacetic acid, trimethyl ester								0				
1452159	4-Thiazolecarbonitrile								0				
1459934	Isophthalic acid, dimethyl ester	X					X		2				
1461229	Tributyltin chloride	X		X	X	X	X		5				
1461252	Stannane, tetrabutyl-	X		X		X	X		4				
1476115	2-Butene, 1,4-dichloro-, (Z)-	X							1				
1497683	Phosphonochloridothioic acid, ethyl-, O-ethyl ester								0				

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	O	S	H	A	P	C
		U	R	R	E	U	C	A	I	O	I	I	R	A	I	I	T	E	P
		T	O	A	R	T	O	T	D	T	G	G	I	L	L	H	L	L	C
		E	C	E	E	A	X	E	S	A	H	H	I						
1498517	Phosphorodichloridic acid, ethyl ester	X									1								
1529573	Aluminum, trieicosyl-										0								
1529584	Aluminum, tritetradecyl-										0								
1529595	Aluminum, tridodecyl-										0								
1558334	Silane, dichloro(chloromethyl)methyl-	X									1								
1559348	3,6,9,12-Tetraoxahexadecan-1-ol										0								
1562001	Ethanesulfonic acid, 2-hydroxy-, monosodium salt										0								X
1563388	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-						X				1								
1563662	Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester	X		X	X	X	X	X			5		X						
1569693	Cyclohexanethiol										0								
1571080	Terephthalaldehydic acid, methyl ester										0								
1572527	Glutaronitrile, 2-methylene-	X				X					2								
1592230	Stearic acid, calcium salt	X				X					2								
1634044	Ether, tert-butyl methyl	X	X	X	X	X	X	X			6	X	X						X
1643205	Dodecylamine, N,N-dimethyl-, N-oxide	X	X			X		X	U		4								X
1646759	Propionaldehyde, 2-methyl-2-(methylthio)-, oxime	X				X					2								
1653196	1,3-Butadiene, 2,3-dichloro-	X		X			X				3								
1675543	Propane, 2,2-bisOp-(2,3-epoxypropoxy)phenyl p-	X	X	X	X	X	X	X			6								
1679647	1,4-Benzenedicarboxylic acid, monomethyl ester								U		0								
1691992	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-		X	X							2								
1704627	Ethanol, 2-O2-(dimethylamino)ethoxy p-	X									1								
1709702	p-Cresol, .alpha.,.alpha.,.alpha."-(2,4,6-trimethyl-s-phenenyl)trisO2,6-di-te	X		X	X	X	X	X			5								
1724396	Cyclododecanol										0								
1726654	Aluminum, trihexadecyl-										0								
1726665	Aluminum, tris(decyl)-										0								
1738256	Propionitrile, 3-(dimethylamino)-	X		X	X			X			4								
1760243	Ethylenediamine, N-O3-(trimethoxysilyl)propyl p-	X					X				2								
1761713	Cyclohexylamine, 4,4'-methylenebis-	X	X		X						3								
1779255	Aluminum, chlorodiisobutyl-	X									1								
1779482	Phosphinic acid, phenyl-	X									1								
1806264	Phenol, p-octyl-										0								
1809194	Phosphonic acid, dibutyl ester	X				X	X				3								

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G G E R	O S H A L E	C P C
1817136	Pyridine, 3,6-dichloro-2-(trichloromethyl)-								0			
1817738	Aniline, 2-bromo-4,6-dinitro-	X	X		X		X		4			
1843056	Benzophenone, 2-hydroxy-4-(octyloxy)-	X							1			
1847581	Acetic acid, sulfo-, 1-dodecyl ester, sodium salt	X							1			X
1852160	Acrylamide, N-(butoxymethyl)-	X							1			
1854268	2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(hydroxymethyl)-				X				1			
1912249	s-Triazine, 2-chloro-4-(ethylamino)-6-(isopropylamino)-	X	X	X	X	X	X	U	6	X		X
1918021	Picolinic acid, 4-amino-3,5,6-trichloro-	X	X	X	X	X	X		6	X	X	
1929824	Pyridine, 2-chloro-6-(trichloromethyl)-	X		X	X	X	X		5	X	X	X
1934210	C.I. Acid Yellow 23	X	X	X	X	X			5			X
1975786	Decanenitrile					X			1			
1982690	o-Anisic acid, 3,6-dichloro-, sodium salt	X							1	X		
1984061	Octanoic acid, sodium salt				X	X			2			
1984583	Anisole, 2,5-dichloro-	X							1			
2016571	Decylamine	X					X		2			
2044646	Acetoacetamide, N,N-dimethyl-	X				X	X		3			
2050922	Dipentylamine	X			X	X			3			
2082793	Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, octadecyl ester			X			X		2			
2152649	C.I. Solvent Blue 23, monohydrochloride								0			
2176627	Pyridine, pentachloro-	X				X	X		3			
2210799	Propane, 1,2-epoxy-3-(o-tolyloxy)-	X			X	X	X		4			
2215352	Phosphorodithioic acid, O,O-bis(1,3-dimethylbutyl) ester, zinc salt	X	X	X	X				4			
2231574	Carbonothioic dihydrazide	X							1			
2235543	Sulfuric acid, monododecyl ester, ammonium salt					X			1			X
2244215	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, potassium salt	X			X	X			3			X
2372454	Butyl alcohol, sodium salt								0			
2373388	Succinic acid, sulfo-, 1,4-bis(1,3-dimethylbutyl) ester, sodium salt								0			
2386870	7-OxabicycloO4.1.0 pheptane-3-carboxylic acid, 7-oxabicycloO4.1.0 phept-3-ylmethy	X			X				2			
2402791	Pyridine, 2,3,5,6-tetrachloro-	X					X		2			
2409554	p-Cresol, 2-tert-butyl-	X	X		X	X	X	C	5			
2416946	Phenol, 2,3,6-trimethyl-					X	X		2			
2420986	Hexanoic acid, 2-ethyl-, cadmium salt						X		1			

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
2425549	Tetradecane, 1-chloro-								0					
2426086	Propane, 1-butoxy-2,3-epoxy-	X	X	X	X	X	X		6				X	X
2429745	Direct Sky Blue	X		X	X		X		4					
2431507	1-Butene, 2,3,4-trichloro-	X	X	X		X	X		5					
2432997	Undecanoic acid, 11-amino-	X			X			C	2					
2437232	Lauric acid, ammonium salt								0					
2437254	Lauronitrile	X							1					
2439352	Acrylic acid, 2-(dimethylamino)ethyl ester	X			X				2					
2440224	p-Cresol, 2-(2H-benzotriazol-2-yl)-	X	X		X		X	U	4					
2444908	Phenol, 4,4'-isopropylidenedi-, disodium salt								0					
2451629	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2,3-epoxypropyl)-	X	X	X	X	X	X		6					
2487903	Silane, trimethoxy-	X			X		X	U	3					
2492264	2(3H)-Benzothiazolethione, sodium salt	X			X	X	X		4					
2494895	Ethanol, 2-sulfanilyl-, hydrogen sulfate (ester)								0					
2495274	Methacrylic acid, hexadecyl ester								0					
2524030	Phosphorochloridothioic acid, O,O-dimethyl ester	X	X	X	X		X		5			X		
2524041	Phosphorochloridothioic acid, O,O-diethyl ester	X						U	1					
2528361	Phosphoric acid, dibutyl phenyl ester	X		X	X	X	X	U	5					
2530838	Silane, O3-(2,3-epoxypropoxy)propyl ptrimethoxy-	X	X	X	X	X	X		6					X
2530872	Silane, (3-chloropropyl)trimethoxy-	X			X				2					
2549533	Methacrylic acid, tetradecyl ester	X							1					
2550063	Silane, trichloro(3-chloropropyl)-								0					
2611009	3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester								0					
2687254	Toluene-2,3-diamine	X		X	X		X		4					
2691410	1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-	X			X	X			3					
2702729	Acetic acid, (2,4-dichlorophenoxy)-, sodium salt	X		X	X	X			4			X		
2738069	2-Butanamine, N-ethyl-3-methyl-								0					
2778429	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-	X			X	X	X		4					
2783940	Sunset Yellow FCF	X		X	X	X			4					
2807309	Ethanol, 2-propoxy-	X		X		X	X		4					X
2809214	Phosphonic acid, (1-hydroxyethylidene)di-	X		X			X	U	3					
2814202	4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-	X			X	X			3					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A L E	P C P
2855132	Cyclohexanemethylamine, 5-amino-1,3,3-trimethyl-	X							1			
2867472	Methacrylic acid, 2-(dimethylamino)ethyl ester	X				X			2			
2893789	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt	X		X	X	X		U	4			X
2905626	Benzoyl chloride, 3,5-dichloro-	X					X		2			
2905659	Benzoic acid, m-chloro-, methyl ester	X				X			2			
2915539	Maleic acid, dioctyl ester	X							1			
2935902	Propionic acid, 3-mercapto-, methyl ester	X							1			
2941642	Formic acid, chlorothio-, S-ethyl ester	X			X				2			
3006824	Peroxyhexanoic acid, 2-ethyl-, tert-butyl ester								0			
3033623	Ethylamine, 2,2'-oxybisON,N-dimethyl-	X		X	X				3			
3039836	Ethenesulfonic acid, sodium salt								0			
3041234	Aluminum, trioctadecyl-							U	0			
3048655	Indene, 3a,4,7,7a-tetrahydro-	X							1			
3081014	p-Phenylenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-	X			X	X		U	3			
3081149	p-Phenylenediamine, N,N'-bis(1,4-dimethylpentyl)-	X		X	X	X	X		5			
3085301	Aluminum butoxide								0			
3088311	Ethanol, 2-O2-(dodecyloxy)ethoxy p-, hydrogen sulfate, sodium salt								0			
3089110	Melamine, hexakis(methoxymethyl)-	X				X			2			
3132998	Benzaldehyde, m-bromo-	X			X				2			
3147759	Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-								0			
3149686	D-Glucopyranoside, methyl								0			
3159624	Octadecanoic acid, 12-hydroxy-, calcium salt (2:1)								0			
3164850	Hexanoic acid, 2-ethyl-, potassium salt								0			
3173533	Isocyanic acid, cyclohexyl ester	X			X		X		3			
3194556	Cyclododecane, 1,2,5,6,9,10-hexabromo-	X			X	X	X		4			
3268493	Propionaldehyde, 3-(methylthio)-	X			X	X	X		4			
3282302	Pivaloyl chloride	X							1			
3290924	Methacrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol	X	X	X	X				4			
3296900	1,3-Propanediol, 2,2-bis(bromomethyl)-	X	X	X	X	X	X		6			
3319311	1,2,4-Benzenetricarboxylic acid, tris(2-ethylhexyl) ester	X			X	X	X		4			
3323533	Adipic acid, compd. with 1,6-hexanediamine (1:1)	X						U	1			
3327228	Ammonium, (3-chloro-2-hydroxypropyl)trimethyl-, chloride	X			X		X		3			

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A P E	C P C
3338247	Phosphorodithioic acid, O,O-diethyl ester, sodium salt	X			X			U	2			
3386332	Octadecane, 1-chloro-								0			
3586149	Ether, phenyl m-tolyl	X			X				2			
3590849	Stannane, tetraoctyl-	X					X		2			
3618722	p-Acetanisidide, 5'-Obis(2-hydroxyethyl)amino p-2'-O(2-bromo-4,6-dinitrophenyl)a	X	X	X	X	X	X		6			
3622842	Benzenesulfonamide, N-butyl-	X				X	X		3			
3648202	Phthalic acid, diundecyl ester	X	X	X	X	X	X		6			
3709431	2,2'-Stilbenedisulfonic acid, 4,4'-dinitro-, disodium salt								0			
3710847	Ethanamine, N-ethyl-N-hydroxy-	X	X	X	X		X		5			
3724650	Crotonic acid	X			X				2			
3734483	4,7-Methano-1H-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-	X		X	X	X	X		5			
3748138	Benzene, m-diisopropenyl-	X							1			
3757764	Phenol, 2,4-dichloro-, sodium salt					X			1			
3779633	Isocyanic acid, (2,4,6-trioxo-s-triazine-1,3,5(2H,4H,6H)-triy)l)tris(hexamethyle	X			X				2			
3806346	2,4,8,10-Tetraoxa-3,9-diphosphaspiroO5.5 pundecane, 3,9-bis(octadecyloxy)-	X							1			
3926623	Acetic acid, chloro-, sodium salt	X				X	X		3			
3965557	Isophthalic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt							C	0			
3985817	1-Octadecanol, aluminum salt								0			
3999700	Butyl alcohol, potassium salt								0			
4026204	Butyric acid, 2-hydroxy-3,3-dimethyl-								0			
4035896	Isocyanic acid, triester with 1,3,5-tris(6-hydroxyhexyl)biuret	X							1			
4075814	Propionic acid, calcium salt	X		X	X				3			
4080313	3,5,7-Triaza-1-azoniaadamantane, 1-(3-chloroallyl)-, chloride	X		X	X				3	X		X
4083641	p-Toluenesulfonic acid, anhydride with isocyanic acid						X		1			
4088226	Diocadecylamine, N-methyl-			X					1			
4098719	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	X			X	X	X		4			X
4131742	Propanoic acid, 3,3'-thiobis-, dimethyl ester								0			
4170303	2-Butenal	X			X	X	X		4	X	X	X
4180238	Anisole, p-propenyl-, (E)-	X		X	X				3			
4223034	Acrylamide, N-(1,1,3,3-tetramethylbutyl)-	X							1			X
4253343	Silanetriol, methyl-, triacetate	X				X			2			X
4259158	Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, zinc salt			X					1			

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G G E R	O S H A P E	C P C
4300974	Propanoyl chloride, 3-chloro-2,2-dimethyl-								U	0		
4316738	Sarcosine, monosodium salt									0		
4356609	2-Imidazolidinone, 4,5-dimethoxy-1,3-bis(methoxymethyl)-									0		
4454051	2H-Pyran, 3,4-dihydro-2-methoxy-	X			X	X	X			4		
4461523	Methanol, methoxy-									0		
4475950	Butyronitrile, 2-amino-2-methyl-	X								1		
4518983	Disilane, 1,1,2,2-tetrachloro-1,2-dimethyl-									0		
4553622	Glutaronitrile, 2-methyl-	X			X					2		
4635874	3-Pentenenitrile	X								1		
4719044	s-Triazine-1,3,5(2H,4H,6H)-triethanol	X			X					2		
4767037	Propionic acid, 2,2-bis(hydroxymethyl)-									0		
4790710	Phenol, 2-[(2-methyl-2-propenyl)oxy]-									0		
4792158	Pentaethylene glycol	X								1		X
4860031	Hexadecane, 1-chloro-					X				1		
4904614	1,5,9-Cyclododecatriene					X	X			2		
4948281	2-Pinanol, cis-	X				X				2		
4948292	2-Pinanol, trans-									0		
4979322	2-Benzothiazolesulfenamide, N,N-dicyclohexyl-	X			X					2		
5026744	Aniline, p-(2,3-epoxypropoxy)-N,N-bis(2,3-epoxypropyl)-	X	X		X			U		3		
5039781	Ethanaminium, N,N,N-trimethyl-2-O(2-methyl-1-oxo-2-propenyl)oxy p-, chloride									0		
5064313	Acetic acid, nitrilotri-, trisodium salt	X	X	X	X	X				5		X
5124301	Isocyanic acid, methylenedi-4,1-cyclohexylene ester	X			X		X	U		3		X
5131668	2-Propanol, 1-butoxy-	X			X	X	X			4		X
5160021	C.I. Pigment Red 53, barium salt (2:1)		X	X	X					3		X
5165979	1-Propanesulfonic acid, 2-acrylamido-2-methyl-, sodium salt							U		0		
5188078	Methanethiol, sodium salt									0		
5216251	Toluene, p.,alpha.,.alpha.,.alpha.-tetrachloro-	X	X	X		X	X			5		
5281049	C.I. Pigment Red 57, calcium salt (1:1)			X	X					2		
5324845	1-Octanesulfonic acid, sodium salt					X		U		1		
5332730	Propylamine, 3-methoxy-	X			X					2		
5392405	2,6-Octadienal, 3,7-dimethyl-	X		X	X					3		
5419556	Boric acid, (H3BO3), triisopropyl ester	X						U		1		

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A L E	P E L E C T R O C H E M I C A L
5421465	Acetic acid, mercapto-, monoammonium salt	X				X			2			X
5460093	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt								0			
5468757	Benzidine Yellow OT	X			X				2			
5567157	Acetoacetanilide, 2,2''-O(3,3'-dichloro-4,4'-biphenylene)bis(azo) pbisO4'-chlo	X				X			2			
5766676	Acetonitrile, (ethylenedinitrilo)tetra-	X							1			
5809234	Benzoic acid, o-O4-(diethylamino)salicyloyl p-								0			
5810888	Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester	X							1			
5862384	QuinoO2,3-b pacridine-7,14-dione, 5,6,12,13-tetrahydro-								0			
5873541	Isocyanic acid, diester with 2,4'-methylenediphenol						X		1			
5915413	s-Triazine, 2-(tert-butylamino)-4-chloro-6-(ethylamino)-	X	X	X		X	X	U	5			
5959897	D-Glucitol, 1,4-anhydro-, 6-dodecanoate								0			
5989275	p-Mentha-1,8-diene, (R)-(+)-	X		X	X	X	X		5			X
5994616	Glycine, N-(carboxymethyl)-N-(phosphonomethyl)-								0			
5995426	Phosphonic acid, OO(2-hydroxyethyl)imino pdimethylene pdi-								0			
6028473	2-Pentanol, 4-methyl-, O,O-diester with phosphorodithioic acid								0			
6104309	Urea, 1,1'-isobutylidenedi-								0			
6145739	1-Propanol, 2-chloro-, phosphate (3:1)	X				X	X		3			
6196958	Ethane, 1-phenyl-1-(3,4-xylyl)-						X		1			
6289469	1,4-Cyclohexanedicarboxylic acid, 2,5-dioxo-, dimethyl ester								0			
6294344	Phosphonic acid, (2-chloroethyl)-, bis(2-chloroethyl) ester	X							1			
6358856	C.I. Pigment Yellow 12	X			X				2			X
6375479	p-Acetanisidide, 3'-amino-				X				1			
6381619	1,2-Benzisothiazolin-3-one, 1,1-dioxide, ammonium salt			X	X				2			
6381777	D-erythro-Hex-2-enonic acid, .gamma.-lactone, monosodium salt			X	X				2			
6386385	Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, methyl ester	X							1			
6419198	Phosphonic acid, Onitriлотris(methylene) ptri-	X	X	X			X	U	4			
6422862	Terephthalic acid, bis(2-ethylhexyl) ester	X	X	X	X	X	X	C	6			
6422997	Sebacic acid, compd. with 1,6-hexanediamine (1:1)	X							1			
6423434	1,2-Propanediol, dinitrate	X			X				2			
6471789	o-Toluenesulfonic acid, 4-amino-5-methoxy-								0			
6473138	2-Naphthalenesulfonic acid,						X		1			
6651258	Aluminum, tridocosyl-								0			

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I H I T A L	O S H A P E	C P C
6651269	Aluminum, tritetacosyl-									0		
6651270	Aluminum, trioctacosyl-									0		
6683198	Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, neopentanetetrayl ester	X		X			X			3		
6842155	Propene, tetramer	X								1		
6846500	Isobutyric acid, 1-isopropyl-2,2-dimethyltrimethylene ester									0		
6863587	sec-Butyl ether	X						U		1		
6865356	Stearic acid, barium salt	X								1		
6876137	Pinane, stereoisomer									0		
6881943	Ethanol, 2-(2-propoxyethoxy)-	X								1		
6915157	Malic acid	X		X						2		
6938949	Adipic acid, diisopropyl ester	X					X			2		X
7023612	C.I. Pigment Red 48, calcium salt (1:1)									0		
7085850	Acrylic acid, 2-cyano-, ethyl ester	X								1		X
7173628	1,3-Propanediamine, N-9-octadecenyl-, (Z)-									0		
7320378	Hexadecane, 1,2-epoxy-				X		X			2		
7336201	2,2'-Stilbenedisulfonic acid, 4,4'-diamino-, disodium salt									0		
7351613	Methacrylic acid, 3-(trichlorosilyl)propyl ester									0		
7378236	D-erythro-Hex-2-enonic acid, .gamma.-lactone, sodium salt			X						1		
7396589	Didecylamine, N-methyl-									0		
7398698	Ammonium, diallyldimethyl-, chloride	X				X				2		
7440440	Carbon	X	X	X	X	X	X	U		6		
7446813	Acrylic acid, sodium salt					X				1		
7534943	Methacrylic acid, isobornyl ester									0		
7585413	C.I. Pigment Red 48, barium salt (1:1)	X								1		
7620771	Octadecanoic acid, 12-hydroxy-, monolithium salt									0		X
7659861	Acetic acid, mercapto-, 2-ethylhexyl ester	X								1		
7786176	p-Cresol, 2,2'-methylenebisO6-nonyl-	X								1		
7795951	1-Octanesulfonyl chloride									0		
8001216	Sunflower oil			X	X					2		
8001227	Soybean oil	X		X	X					3		X
8001261	Linseed oil				X					1		X
8001294	Cottonseed oil	X		X	X					3		X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
8001307	Corn oil	X		X	X				3					X
8001318	Coconut oil				X				1					X
8001589	Creosote	X	X	X	X	X	X		6	X	X			X
8001783	Castor oil, hydrogenated	X							1					X
8001794	Castor oil			X	X				2					X
8002037	Peanut oil			X	X				2					
8002059	Petroleum	X	X	X	X	X	X		6					X
8002093	Oils, pine	X				X			2					X
8002264	Tall oil	X		X	X				3					X
8002504	Fats and Glyceridic oils, menhaden								0					
8002742	Paraffin waxes and Hydrocarbon waxes	X	X				X		3					X
8002753	Palm oil			X					1					
8005025	C.I. Solvent Black 7				X				1					X
8006142	Natural gas			X					1					
8006200	Fuel gases, low and medium B.T.U.								0					
8006540	Lanolin					X			1					X
8006619	Gasoline, natural	X	X	X	X	X	X		6					
8006642	Turpentine, oil	X		X		X			3			X		
8007247	Cashew, nutshell liq.								0					
8007430	Sorbitan, sesquioleate								0					X
8007452	Tar, coal	X	X	X	X		X		5					X
8008206	Kerosine, (petroleum)	X	X	X	X	X	X		6					X
8008579	Oils, orange, sweet								0					X
8009038	Petrolatum	X							1					X
8013078	Soybean oil, epoxidized	X		X	X	X			4					X
8013750	Fusel oil			X	X				2					
8016113	Linseed oil, epoxidized								0					
8016282	Lard, oil			X	X				2					
8016704	Soybean oil, hydrogenated			X	X				2					
8016817	Tall-oil pitch								0					
8021996	Charcoal, bone	X							1					
8023798	Oils, glyceridic, palm kernel								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
8029434	Syrups, hydrolyzed starch				X				1					
8030124	Tallow, hydrogenated								0					
8030306	Naphtha	X	X	X	X	X	X		6			X	X	
8030782	Quaternary ammonium compounds, trimethyltallow alkyl, chlorides	X			X	X			3				X	
8032324	Ligroine	X		X	X				3				X	
8042475	White mineral oil, (petroleum)								0					
8045349	Stearic acid, ester with pentaerythritol								0					
8050097	Rosin								0					
8050155	Resin acids and Rosin acids, hydrogenated, Me esters								0					X
8050268	Resin acids and Rosin acids, esters with pentaerythritol								0					
8050280	Rosin, maleated								0					
8050315	Resin acids and Rosin acids, esters with glycerol								0					X
8051307	Coconut oil, reaction products with diethanolamine								0					X
8052106	Tall-oil rosin								0					
8052413	Stoddard solvent	X	X	X	X	X	X		6			X	X	
8052424	Asphalt		X		X	X			3					
8052480	Fatty acids, tallow, sodium salts								0					
8061516	Lignosulfonic acid, sodium salt	X			X	X			3					X
8061538	Lignosulfonic acid, ammonium salt								0					
8068051	Lignin, alkali								0					
8075749	Lignosulfonic acid, chromium iron salt					X			1					
9000708	Gelatins			X					1					
9002895	Ethenol, homopolymer	X		X	X	X	X		5					
9003081	Melamine, polymer with formaldehyde	X				X			2					
9003116	Oxirane, methyl-, polymer with oxirane	X			X	X	X		4					
9003296	Butene, homopolymer	X					X		2					
9003354	Phenol, polymer with formaldehyde	X	X			X	X		4					
9003536	Styrene, polymers	X			X		X		3					
9003558	Styrene, polymer with 1,3-butadiene			X			X		2					
9004346	Cellulose	X		X	X				3			X		
9004700	Cellulose, nitrate	X				X	X		3					X
9004777	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-								0					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A L E	P C P
9004960	Glycols, polyethylene, monooleate	X							1			X
9004982	Glycols, polyethylene, mono-9-octadecenyl ether, (Z)-	X				X			2			X
9004993	Glycols, polyethylene, monostearate	X		X		X			3			X
9005076	Glycols, polyethylene, dioleate								0			
9005907	Turpentine								0			
9006035	Rubber, chlorinated	X							1			
9007345	Collagens								0			
9011056	Urea, polymer with formaldehyde	X			X	X	X		4			
9016459	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	X		X		X	X		4			X
9046019	Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, phosphate							U	0			
9050366	Maltodextrin								0			
9051132	Cellulose, hydrogen carbonodithioate, sodium salt			X					1			
9057914	PolyOoxy(methyl-1,2-ethanediyl) p, .alpha.-hydro-.omega.-hydroxy-, polymer with								0			
9063381	Starch, carboxymethyl ether, sodium salt								0			
9066506	Lignosulfonic acid, chromium salt					X	X		2			
9084064	Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	X			X		X		3			X
10081671	Diphenylamine, 4,4'-bis(.alpha.,.alpha.-dimethylbenzyl)-								0			
10124659	Lauric acid, potassium salt				X				1			
10265697	Glycine, N-phenyl-, monosodium salt								0			
10402161	Oleic acid, copper salt								0			
10449715	Aluminum, trihexacosyl-								0			
10533672	Acetaldehyde, (methylthio)-, oxime								0			
10595605	Diethylenetriamine, 1,7-bis(1,3-dimethylbutylidene)-	X							1			
10595729	Propionic acid, 3,3'-thiodi-, ditridecyl ester								0			
11070443	1,3-Isobenzofurandione, tetrahydromethyl-								0			
11097599	Magnesium, (carbonato)hexadecahydroxydialuminumhexa-							U	0			
11099062	Silicic acid, ethyl ester	X							1			
11113705	Silicic acid, chromium lead salt								0			
11120222	Silicic acid, lead salt								0			
11138606	Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate								0			
12001853	Naphthenic acids, zinc salts	X		X	X				3			X
12068030	ar-Toluenesulfonic acid, sodium salt	X					X		2			

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12075682	Aluminum, trichlorotriethylidi-								0				
12108133	Manganese, tricarbonyl(methyl-.pi.-cyclopentadienyl)-	X	X	X			X		4				X
12113074	Borate(1-), hydroxytriphenyl-, sodium, (T-4)-	X							1				
12645317	Phosphoric acid, 2-ethylhexyl ester					X	X		2				
13031419	Benzonitrile, p-hydroxy-, acetate (ester)								0				
13048334	Acrylic acid, hexamethylene ester	X	X	X	X				4				
13188608	Dodecanedioic acid, compd. with 1,6-hexanediamine (1:1)								0				
13360639	Butylamine, N-ethyl-	X			X				2				
13393936	Abietyl alcohol, tetrahydro-								0				
13463406	Iron carbonyl, (Fe(CO)5)	X			X	X			3		X		
13472087	Butyronitrile, 2,2'-azobisO2-methyl-	X							1				
13528886	Disilane, 1,1,2-trichloro-1,2,2-trimethyl-								0				
13547701	2-Butanone, 1-chloro-3,3-dimethyl-	X							1				
13560899	1,4:7,10-DimethanodibenzoOa,e pyclooctene, 1,2,3,4,7,8,9,10,13,13,14,14-dodecac	X				X	X		3				
13631646	4-Thiazolecarboxamidine, N-phenyl-, hydrochloride								0				
13674845	2-Propanol, 1-chloro-, phosphate (3:1)	X		X	X	X	X		5				
13674878	2-Propanol, 1,3-dichloro-, phosphate (3:1)	X	X	X	X	X	X	U	6				
13749945	Acetohydroxamic acid, thio-, methyl ester	X			X		X		3				
13752517	Morpholine, 4-O(morpholinothiocarbonyl)thio p-		X	X	X				3				
13826352	Benzyl alcohol, m-phenoxy-	X	X		X	X			4				
13863315	2,2'-Stilbenedisulfonic acid, 4,4'-bisOO4-anilino-6-O(2-hydroxyethyl)methylamin	X		X	X	X			4				
13889924	Formic acid, chlorothio-, S-propyl ester	X			X				2				
13893533	Butanenitrile, 2-amino-2,3-dimethyl-	X			X				2				
13927770	Nickel, bis(dibutylthiocarbamate)-	X							1				
13952846	sec-Butylamine	X			X	X	X		4				
14064030	Ethanol, 2-ethoxy-, magnesium salt								0				
14143603	Picolinonitrile, 4-amino-3,5,6-trichloro-								0				
14433762	Decanamide, N,N-dimethyl-	X							1				
14450056	Nonanoic acid, neopentetetrayl ester								0				X
14624136	Octyl alcohol, aluminum salt								0				
14624158	Dodecyl alcohol, aluminum salt								0				
14643879	Acrylic acid, zinc salt								0				

CASNO	CHEMICAL	A	C	H	R	O	N	I	C	T	E	R	A	R	E	M	U	E	C	F	S	O	T	H	I	G	T	R	I	O	S	H	A	P	E	L	C	P	C				
14666945	Cobalt oleate																																						0				
15214898	1-Propanesulfonic acid, 2-acrylamido-2-methyl-																																							0			
15233473	p-Phenylenediamine, N-(1-methylheptyl)-N'-phenyl-	X																																						1			
15520102	1,5-Pentanediamine, 2-methyl-	X														X																								2			
15625895	Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol	X	X	X	X	X																																		4			
15708415	Ferrate(1-), O(ethylenedinitrilo)tetraacetato p-, sodium	X																X																						2			
15827608	Phosphonic acid, OO(phosphonomethyl)imino pbisO2,1-ethanediylnitribis(methylen														X						X																			2			
15890252	Carbamic acid, dipentylidithio-, tris(anhydrosulfide) with thioantimonic acid (H																																								0		
16090021	2,2'-Stilbenedisulfonic acid, 4,4'-bisO(4-anilino-6-morpholino-s-triazin-2-yl)a	X	X	X	X	X	X																																		5		
16111629	Peroxydicarbonic acid, bis(2-ethylhexyl) ester	X																																							1		
16219753	2-Norbornene, 5-ethylidene-	X													X	X																								3			
16291966	Charcoal																																								0		
16389881	Dolomite													X							X																				2		
16470249	2,2'-Stilbenedisulfonic acid, 4,4'-bisOO4-Obis(2-hydroxyethyl)amino p-6-(p-sulfo	X																																								1	
16485475	Ferrate(1-), OON-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycinato p(1	
16529569	3-Butenenitrile, 2-methyl-	X																																							1		
16530726	Octanoic acid, compd. with 2,2'-iminodiethanol (1:1)																																								0		
16883833	Phthalic acid, benzyl 3-hydroxy-1-isopropyl-2,2-dimethylpropyl ester isobutyrat																																									0	
16958922	Adipic acid, ditridecyl ester																																									0	
17095248	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-3,6-bisOOp-O(2-hydroxyethyl)s												X			X					X																				3		
17103310	Urea, sulfate (2:1)																																									0	
17321470	Phosphoramidothioic acid, O,O-dimethyl ester	X																																								1	
17564646	Phthalimide, N-(chloromethyl)-														X																											1	
17611824	Succinonitrile, ethyl-	X																																								1	
17689779	Silanetriol, ethyl-, triacetate																																									0	
17796826	Phthalimide, N-(cyclohexylthio)-	X	X	X	X	X	X																																			5	
17797034	Cyclohexanesulfonyl chloride																																									0	
17824838	Picolinonitrile, tetrachloro-																																										0
17976431	Lead, di-.mu.-oxo(.mu.-phthalato)tri-, cyclo-																																										0
18268707	Hexanoic acid, 2-ethyl-, diester with tetraethylene glycol	X																																								1	
18328900	Allylamine, N-ethyl-2-methyl-	X																																								1	
18719034	Glycine, N,N'-1,3-propanediylbis[N-(carboxymethyl)]-, tetrasodium salt																																										0

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18760446	Thiophene, 3-(decyloxy)tetrahydro-, 1,1-dioxide	X			X	X	X		4			
19141823	1-Hexadecanol, aluminum salt								0			
19224261	1,2-Propanediol, dibenzoate								0			
19248136	Ethylenediamine, N-ethyl-N-m-tolyl-								0			
19355692	Propionitrile, 2-amino-2-methyl-	X							1			
19438610	Phthalic anhydride, 4-methyl-								0			
19525598	Glycine, N-phenyl-, monopotassium salt								0			
20068024	Crotononitrile, 2-methyl-, (Z)-	X							1			
20227536	Phosphorous acid, 2-tert-butyl-.alpha.-(3-tert-butyl-4-hydroxyphenyl)-p-cumenyl								0			
20324327	2-Propanol, 1-(2-methoxy-1-methylethoxy)-								0			X
20324338	2-Propanol, 1-O2-(2-methoxy-1-methylethoxy)-1-methylethoxy p-	X							1			
20469710	Carbamic acid, dithio-, compd. with hydrazine (1:1)	X							1			
20592852	Phosphonic acid, Onitriлотris(methylene) ptri-, sodium salt			X					1			
20824560	Acetic acid, (ethylenedinitrilo)tetra-, diammonium salt					X			1			
21063401	D-arabino-Hexulosonic acid, methyl ester								0			
21265509	Ferrate(1-), O(ethylenedinitrilo)tetraacetato p-, ammonium					X	X		2			
21351393	Urea, sulfate (1:1)	X							1			
21729986	Carbamic acid, cyano-, methyl ester								0			
22031330	Propionitrile, 3-ON-(2-hydroxyethyl)anilino p-, acetate (ester)	X							1			
22464999	Hexanoic acid, 2-ethyl-, zirconium salt								0			
22473785	Acetic acid, (ethylenedinitrilo)tetra-, tetraammonium salt								0			
22527635	Isobutyric acid, 3-hydroxy-2,2,4-trimethylpentyl ester benzoate								0			
22591215	2-Butanone, 1,1-dichloro-3,3-dimethyl-	X							1			
22984549	2-Butanone, O,O',O''-(methylsilylydyne)trioxime	X			X				2			
23128510	p-Acetanisidide, 3'-Obis(2-hydroxyethyl)amino p-, diacetate (ester)								0			
23275265	Hexyl alcohol, aluminum salt								0			
23386529	Succinic acid, sulfo-, 1,4-dicyclohexyl ester, sodium salt	X							1			
23500790	Phenol, 6-tert-butyl-3-(chloromethyl)-2,4-dimethyl-								0			
23681609	Methanol, tris(p-anilinophenyl)-								0			
23783428	2,5,8,11-Tetraoxatridecan-13-ol						X		1			
24310416	1,2,3-Benzotriazin-4(3H)-one, 3-(chloromethyl)-	X							1			
24448097	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptaecafluoro-N-(2-hyd	X							1			

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G L I C E R I D E	O S H A L E	P E L L E	C P C
24468131	Carbonochloridic acid, 2-ethylhexyl ester								0				
24549062	o-Toluidine, 6-ethyl-	X			X	X			3				
24615847	Hydracrylic acid, acrylate	X							1				
24634615	Sorbic acid, potassium salt				X				1				
24794589	Formic acid, compd. with 2,2',2''-nitrilotriethanol (1:1)								0				
24800440	Tripropylene glycol	X							1				X
24991557	Glycols, polyethylene, dimethyl ether			X				U	1				
25013154	Styrene, ar-methyl-	X	X	X	X	X	X		6			X	
25036253	Phenol, 4,4'-isopropylidenedi-, polymer with 2,2-bisOp-(2,3-epoxypropoxy)phenyl					X	X		2				
25037450	Carbonic acid, polyester with 4,4'-isopropylidenediphenol								0				
25068386	Phenol, 4,4'-isopropylidenedi-, polymer with 1-chloro-2,3-epoxypropane	X	X	X	X	X	X		6				
25085998	Propane, 2,2-bisOp-(2,3-epoxypropoxy)phenyl p-, polymers	X			X	X	X		4				
25087063	Maleic acid, monoethyl ester, polymer with methyl vinyl ether	X							1				
25103097	Acetic acid, mercapto-, isooctyl ester	X							1				
25103542	Phosphorodithioic acid, O,O-diisodecyl ester, zinc salt	X		X					2				
25103586	tert-Dodecanethiol	X		X		X	X		4				
25134218	5-Norbornene-2,3-dicarboxylic anhydride, methyl-	X					X		2				X
25154385	Piperazineethanol	X							1				
25154523	Phenol, nonyl-	X		X	X	X	X		5				X
25155231	Xylenol, phosphate (3:1)	X			X	X	X	U	4				
25155253	Peroxide, (phenylenediisopropylidene)bisOtert-butyl	X			X				2				
25155300	Benzenesulfonic acid, dodecyl-, sodium salt	X			X	X	X		4				X
25167673	Butene		X		X		X	U	3				X
25167708	Pentene, 2,4,4-trimethyl-						X		1				
25168052	Toluene, ar-chloro-	X	X				X	U	3				X
25168063	Phenol, isopropyl-	X					X		2				
25168245	Acetic acid, O(dibutylstannylene)dithio pdi-, diisooctyl ester	X	X	X	X	X	X		6				
25264931	Hexene	X				X	X	U	3				
25265718	Propanol, oxybis-	X		X		X	X		4				X
25265774	Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	X					X	U	2				
25321099	Benzene, diisopropyl-	X				X	X	C	3				
25321146	Toluene, ar,ar-dinitro-	X	X	X	X		X		5	X	X		

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
25321419	Benzenesulfonic acid, dimethyl-								0					X
25322172	Naphthalenesulfonic acid, dinonyl-								0					
25322683	Glycols, polyethylene	X		X	X	X	X		5					X
25322694	Glycols, polypropylene	X				X	X		3					X
25339177	Isodecyl alcohol	X		X		X			3					
25339564	Heptene					X	X		2					
25340174	Benzene, diethyl-	X	X	X			X		4					
25340185	Benzene, triethyl-	X				X			2					
25360105	tert-Nonyl mercaptan	X							1					
25376458	Toluene-ar,ar-diamine	X	X	X	X	X	X		6	X	X			
25377735	2,5-Furandione, 3-(dodecenyldihydro-	X				X	X		3					
25377837	Octene								0					
25383997	Stearic acid, ester with lactic acid bimol. ester, sodium salt								0					
25448253	Phosphorous acid, triisodecyl ester								0					
25496019	Benzenesulfonic acid, tridecyl-						X		1					
25496724	Olein, mono-								0					X
25550145	Toluene, ar-ethyl-	X	X	X	X	X	X		6					X
25550985	Phosphorous acid, diisodecyl phenyl ester	X			X	X	X		4					
25584832	Acrylic acid, monoester with 1,2-propanediol	X							1					
25586429	Phosphorous acid, tritolyl ester	X							1					
25619561	Naphthalenesulfonic acid, dinonyl-, barium salt								0					
25640782	Biphenyl, isopropyl-	X	X		X	X	X		5					
25646713	Methanesulfonamide, N-O2-O(4-amino-3-methylphenyl)ethylamino pethyl p-, sulfate (X						U	1					
25852704	Acetic acid, O(butylstannylidyne)trithio ptri-, triisooctyl ester	X			X		X		3					
25899507	2-Pentenenitrile, (Z)-	X			X			U	2					
25956176	2-Naphthalenesulfonic acid, 6-hydroxy-5-O(2-methoxy-5-methyl-4-sulfophenyl)azo p	X		X	X				3					
25973551	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentyl-	X			X	X	X		4					
26040517	Phthalic acid, tetrabromo-, bis(2-ethylhexyl) ester								0					
26140603	Terphenyl	X		X		X			3				X	
26248248	Benzenesulfonic acid, tridecyl-, sodium salt					X	X		2					
26264051	Benzenesulfonic acid, dodecyl-, compd. with isopropylamine (1:1)							U	0					
26264062	Benzenesulfonic acid, dodecyl-, calcium salt	X							1					

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	T	P	C	
		U	N	R	E	A	O	A	I	O	H	I	R	I	E	L						
		E	I	A	R	G	T	T	D	A	G	G	I	H	L							
26265087	Phenol, 4,4'-isopropylidenebisO2,6-dibromo-, polymer with 1-chloro-2,3-epoxypro					X															1	
26266580	Sorbitan, trioleate																					0
26266682	Hexenal, 2-ethyl-	X				X																2
26294984	2-Pentenenitrile, (E)-	X																				1
26303548	Decyl alcohol, aluminum salt																					0
26351326	Propionitrile, 3-(9-octadecenylamino)-, (Z)-																					0
26377297	Phosphorodithioic acid, O,O-dimethyl ester, sodium salt	X																				1
26401274	Phosphorous acid, isooctyl diphenyl ester																					0
26447109	Xylenesulfonic acid, ammonium salt							X														1
26447405	Benzene, 1,1'-methylenebisOisocyanato-	X	X			X		X														4
26471625	Isocyanic acid, methyl-m-phenylene ester	X	X	X		X	X	X	U													6
26472004	4,7-Methanoindene, 3a,4,7,7a-tetrahydrodimethyl-	X																				1
26523784	Phenol, nonyl-, phosphite (3:1)																					0
26544230	Phosphorous acid, isodecyl diphenyl ester	X				X																2
26544387	Succinic anhydride, (tetrapropenyl)-	X																				1
26566950	Phosphorodithioic acid, O-(2-ethylhexyl) O-isobutyl ester, zinc salt																					1
26588556	Phthalic anhydride, polyester with ethylene glycol, maleic anhydride and 1,2-pr																					0
26635938	Glycols, polyethylene, (9-octadecenylimino)diethylene ether, (Z)-																					0
26636011	Acetic acid, 2,2'-O(dimethylstannylene)bis(thio) pbis-, diisooctyl ester	X	X	X					X													4
26680546	Succinic anhydride, octenyl-																					U
26741537	Phosphorous acid, cyclic neopentetetrayl bis(2,4-di-tert-butylphenyl) ester	X	X	X		X																4
26748414	Peroxyneodecanoic acid, tert-butyl ester																					0
26761400	Phthalic acid, diisodecyl ester	X	X	X		X	X	X														6
26761455	Neodecanoic acid, 2,3-epoxypropyl ester	X	X			X	X	X	U													5
26896184	Isononanoic acid																					0
26896208	Neodecanoic acid																					0
26968581	Toluene, .alpha.-chloro-ar-ethyl-																					0
26998970	Phenol, thiobisOdodecyl-, calcium salt (1:1)																					0
26999291	Phosphorodithioic acid, O,O-diisooctyl ester																					0
27090637	1,6-Hexanediamine, N,N,N',N'-tetrabutyl-	X																				1
27138314	Dipropylene glycol, dibenzoate								X													1
27157944	Phosphorodithioic acid, O,O-ditolyl ester																					0

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I H I G H	T R I P L E	O S H A P E	C P C
27176870	Benzenesulfonic acid, dodecyl-	X				X	X		3				X
27178161	Adipic acid, diisodecyl ester	X							1				
27193288	Phenol, octyl-	X				X	X		3				
27193868	Phenol, dodecyl-	X		X	X	X	X		5				
27215958	Nonene						X		1				
27247967	Nitric acid, 2-ethylhexyl ester	X							1				X
27251758	1,2,4-Benzenetricarboxylic acid, triisooctyl ester								0				
27253312	Neodecanoic acid, cobalt salt								0				
27288444	Acetic acid, (stibylidynetrithio)tri-, triisooctyl ester	X			X				2				
27323417	Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitriлотrisOethanol p (1:1)	X							1				X
27554263	1,2-Benzenedicarboxylic acid, diisooctyl ester	X	X		X	X	X		5				
27576869	Phenol, (1-methyl-1-phenylethyl)-								0				
27676626	s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl								0				
27813021	Methacrylic acid, monoester with 1,2-propanediol	X							1				X
27859581	Succinic acid, (tetrapropenyl)-								0				
28106301	Styrene, ar-ethyl-								0				
28188241	Stearic acid, triester with pentaerythritol								0				
28205961	Methacrylic acid, polymer with acrylic acid, sodium salt								0				
28324529	Pinanyl hydroperoxide					X			1				
28348530	ar-Cumenesulfonic acid, sodium salt	X							1				
28472971	Azelaic acid, diisodecyl ester								0				
28473214	Nonanol								0				X
28519020	Benzenesulfonic acid, dodecyloxydi-, disodium salt								0				
28553120	Phthalic acid, diisononyl ester	X	X	X	X	X	X		6				
28629665	Phosphorodithioic acid, O,O-diisooctyl ester, zinc salt			X				U	1				
28677932	Methoxy-1-propanol							U	0				
28777982	Succinic anhydride, octadecenyl-								0				
28908001	Benzothiazole, 2-O(chloromethyl)thio p-								0				
28961435	Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-O(1-oxo-2-propenyl)oxy p-, ether	X		X	X				3				
28984896	1,1'-Biphenyl, phenoxy-	X				X	X		3				
28987179	Phenol, nonyl-, barium salt								0				
29329713	Phosphonic acid, (1-hydroxyethylidene)di-, sodium salt								0				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
29385431	1H-Benzotriazole, methyl-	X			X	X	X		4					
29590429	Acrylic acid, isooctyl ester	X	X	X	X				4					
29598763	Propionic acid, 3-(dodecylthio)-, neopentetetrayl ester							C	0					
29761215	Phosphoric acid, isodecyl diphenyl ester	X		X	X	X	X		5					
29806733	Palmitic acid, 2-ethylhexyl ester	X							1					
29911282	2-Propanol, 1-(2-butoxy-1-methylethoxy)-	X				X	X		3					
29964849	2-Propenoic acid, 2-methyl-, isodecyl ester	X		X	X		X		4					
30113452	1-Propanamine, 3-(isodecyloxy)-								0					
30207988	Undecanol								0					
30399849	Isooctadecanoic acid	X			X				2					X
30574971	2-Butenenitrile, 2-methyl-, (E)-	X							1					
30618849	Acetic acid, mercapto-, monoester with glycerol								0					
30704644	Phenol, p-tert-butyl-, polymer with ethylene oxide, formaldehyde and propylene								0					
31138655	D-gluco-Heptonic acid, monosodium salt, (2.xi.)-								0					
31556453	Stearic acid, tridecyl ester								0					
31566311	Octadecanoic acid, monoester with 1,2,3-propanetriol	X				X			2					X
31570044	Phenol, 2,4-di-tert-butyl-, phosphite (3:1)								0					
31906044	3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-	X				X	X		3					
32072961	Succinic anhydride, hexadecenyl-								0					
32073226	Benzene, (1-methylethyl)-, monosulfo deriv., sodium salt								0					
32131172	PolyOimino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl p	X	X						2					
32210234	Cyclohexanol, 4-tert-butyl-, acetate	X							1					
32360057	Methacrylic acid, octadecyl ester								0					
32534819	Benzene, 1,1'-oxybis-, pentabromo deriv.	X	X	X	X	X	X		6					
32536520	Phenyl ether, octabromo deriv.	X		X	X	X	X	U	5					
32687777	Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, hydrazide							U	0					
32687788	Hydrazine, 1,2-bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl)-	X							1					
33125869	Phosphoric acid, ethylene tetrakis(2-chloroethyl) ester	X		X	X				3					
33509432	as-Triazin-5(4H)-one, 4-amino-6-tert-butyl-3-mercapto-								0					
33703081	Adipic acid, diisononyl ester								0					
34590948	Dipropylene glycol monomethyl ether	X			X	X	X		4				X	X
34689468	Phenol, methyl-, sodium salt	X							1					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G G E R	O S H A P E	C P C
35074772	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,6-hexanediy es			X						1		
35203066	Benzenamine, 2-ethyl-6-methyl-N-methylene-	X								1		
35203088	Benzenamine, 2,6-diethyl-N-methylene-	X								1		
35884663	Nickel, tetrakisOtris(methylphenyl) phosphite-P p-									0		
36431228	Spiro[isobenzofuran-1(3H),9'-[9H]-xanthen]-3-one, 6'-(diethylamino)-2'-[(2,4-di									0		
36445713	Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt									0		
36653824	1-Hexadecanol	X			X	X				3		X
36876138	1,1'-Biphenyl, ar,ar'-bis(1-methylethyl)-	X			X		X			3		
36878203	Benzenamine, ar-nonyl-N-(nonylphenyl)-									0		
37203808	Lignin, sodium salt									0		
37293746	Naphthalenesulfonic acid, polymer with formaldehyde, calcium salt									0		
37439342	2(1H)-Pyridinone, 3,5,6-trichloro-, sodium salt									0		
37475880	Benzenesulfonic acid, (1-methylethyl)-, ammonium salt									0		
37734455	Carbonochloridothioic acid, S-(phenylmethyl) ester									0		
37764253	Acetamide, 2,2-dichloro-N,N-di-2-propenyl-	X								1		
37853591	Benzene, 1,1'-O1,2-ethanediybis(oxy) pbisO2,4,6-tribromo-	X		X	X	X	X			5		
37971361	1,2,4-Butanetricarboxylic acid, 2-phosphono-									0		
38051104	Phosphoric acid, 2,2-bis(chloromethyl)-1,3-propanediyl tetrakis(2-chloroethyl)	X		X	X	X	X	C		5		
38103069	1,3-Isobenzofurandione, 5,5'-O(1-methylethylidene)bis(4,1-phenyleneoxy) pbis-	X		X						2		
38185067	Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt									0		
38321185	Ethanol, 2-(2-butoxyethoxy)-, sodium salt									0		
39464705	Poly(oxy-1,2-ethanediy), .alpha.-phenyl-.omega.-hydroxy-, phosphate									0		
39515510	Benzaldehyde, 3-phenoxy-	X	X		X	X	X			5		
40164690	Acetamide, 2-chloro-N-(chloromethyl)-N-(2,6-diethylphenyl)-									0		
40292828	Neodecanoyl chloride	X								1		
40601761	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trisOO4-(1,1-dimethylethyl)-3-hydr									0		
40630635	1-Octanesulfonyl fluoride									0		
40876980	Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium	X								1		
41484359	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, thiodi-2,1-ethane	X								1		
41638555	1,1'-Biphenyl, butyl-						X			1		
41663847	1H-Isoindole-1,3(2H)-dione, 2-methyl-5-nitro-	X	X	X	X					4		
42222504	9-Octadecenoic acid (Z)-, 2,2-dimethyl-1,3-propanediyl ester									0		

CASNO	CHEMICAL	A	C	H	R	O	N	T	E	R	A	M	U	E	C	F	S	O	T	R	I	O	S	H	A	T	P	C
42978665	2-Propenoic acid, (1-methyl-1,2-ethanediyl)bisOoxy(methyl-2,1-ethanediyl) p este	X		X		X		X		X		X		X				5										
44992010	Ethanaminium, N,N,N-trimethyl-2-O(1-oxo-2-propenyl)oxy p-, chloride																	0										
45294186	2-Propenoic acid, 2-methyl-, eicosyl ester																	0										
50594440	Phenol, 5-O2-chloro-4-(trifluoromethyl)phenoxy p-2-nitro-, acetate (ester)																	0										
50594779	Phenol, 3-O2-chloro-4-(trifluoromethyl)phenoxy p-, acetate	X										X						2										
50651393	Acetamide, N-(4-methoxy-3-nitrophenyl)-																	0										
51307927	Butanedioic acid, 2,3-dihydroxy-, disodium salt, (R*,R*)-(.,+.)-																	0										
51632167	Benzene, 1-(bromomethyl)-3-phenoxy-	X										X						2										
51811791	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-, phosphate	X												X				2										
52166720	Phenol, 2,5-dichloro-, sodium salt																	0										
52184197	Phenol, 2,4-bis(1,1-dimethylpropyl)-6-O(2-nitrophenyl)azo p-																	0										
52270447	Neodecanoic acid, cobalt(2+) salt																	0										
52314677	Cyclopropanecarbonyl chloride, 3-(2,2-dichloroethenyl)-2,2-dimethyl-																	0										
52556420	1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt																	0										
52663577	Ethanol, 2-butoxy-, sodium salt																	0										
52829079	Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester	X																1										
52836314	Oxazolidine, 3-(dichloroacetyl)-2,2,5-trimethyl-																	0										
53422165	Octadecanoic acid, 12-hydroxy-, methyl ester, lithium salt																	0										
53894238	1,2,4-Benzenetricarboxylic acid, triisononyl ester																	0										
53980884	2-Cyclohexene-1-octanoic acid, 5(or 6)-carboxy-4-hexyl-																	0										
54261675	Phenol, dodecyl-, hydrogen phosphorodithioate, zinc salt																	0										
54395527	1H-Isoindole-1,3(2H)-dione, 5,5'-O(1-methylethylidene)bis(4,1-phenyleneoxy) pbis											X						1										
54849386	Acetic acid, 2,2',2''-O(methylstannylidyne)tris(thio) ptris-, triisooctyl ester	X		X		X		X		X		X		X				6										
55406536	Carbamic acid, butyl-, 3-iodo-2-propynyl ester	X															U	1		X						X		
55701058	Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-														X			1										
56038892	Benzenamine, N-(1-ethylpropyl)-4,5-dimethyl-																	0										
56780586	Starch, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride																	0										
56803373	Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester	X		X		X		X		X		X		X				6										
57583343	8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4-OO2-O(2-ethylhexyl)oxy p	X																1										
57583354	8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-et																	0										
57675442	9-Octadecenoic acid (Z)-, 2-ethyl-2-OO(1-oxo-9-octadecenyl)oxy pmethyl p-1,3-prop																	0										
57693148	Chromate(3-), bisO3-hydroxy-4-O(2-hydroxy-1-naphthalenyl)azo p-7-nitro-1-naphtha																	0										

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O X I C A L	T R I G L I C E R I D E S	O S H A L E P E L C
57855773	Naphthalenesulfonic acid, dinonyl-, calcium salt								0		
58782153	1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with .alpha.-hydro-.omega								0		
58823099	Phosphonic acid, O2-OO(2-chloroethoxy)(2-chloroethyl)phosphinyl poxy pethyl p-, bi								0		
59118784	9-Octadecenoic acid (Z)-, 2-mercaptoethyl ester								0		
60754247	Carbamic acid, cyanomethyl-, ethyl ester								0		
61260557	1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-	X							1		
61788327	Terphenyl, hydrogenated	X		X		X	X		4		
61788441	Phenol, styrenated	X							1		
61788452	Amines, hydrogenated tallow alkyl								0		
61788463	Amines, coco alkyl					X			1		
61788474	Fatty acids, coco	X							1		X
61788598	Fatty acids, coco, Me esters								0		
61788612	Fatty acids, tallow, Me esters								0		
61788634	Amines, bis(hydrogenated tallow alkyl)methyl								0		
61788645	Fats and Glyceridic oils, fish, sulfated, sodium salts								0		
61788667	Fatty acids, vegetable-oil								0		
61788769	Alkanes, chloro	X	X	X	X	X	X		6		
61788850	Castor oil, hydrogenated, ethoxylated	X							1		X
61788894	Fatty acids, C18-unsatd., dimers								0		
61788918	Amines, dimethylsoya alkyl								0		
61788952	Amines, (hydrogenated tallow alkyl)dimethyl								0		
61789013	Fatty acids, tall-oil, epoxidized, 2-ethylhexyl esters	X							1		
61789046	Glycerides, coco mono-, sulfated, sodium salts								0		
61789091	Glycerides, tallow mono-, hydrogenated								0		
61789308	Fatty acids, coco, potassium salts			X					1		
61789319	Fatty acids, coco, sodium salts	X							1		
61789320	Fatty acids, coco, 2-sulfoethyl esters, sodium salts	X							1		X
61789397	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs.,								0		
61789400	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs.,								0		X
61789455	Fatty acids, dehydrated castor-oil								0		
61789513	Naphthenic acids, cobalt salts	X					X		2		X
61789524	Fatty acids, tall-oil, cobalt salts								0		

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	R	I	O	S	H	A	T	P	C
		U	N	R	E	A	O	A	I	O	H	T	R	A	H	A		I	E	P
		T	I	A		G	T	T	D	A	I	I	G	L						
		E	C	R	E	E	X	E	S		H									
61789535	Nitriles, coco						X				1									
61789659	Resin acids and Rosin acids, aluminum salts						X				1									
61789728	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlor										0									
61789739	Quaternary ammonium compounds, benzylbis(hydrogenated tallow alkyl)methyl, chlo										0									
61789773	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides										0									X
61789808	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chloride	X	X								2									X
61789819	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, Me sulfa										1									
61789853	Sulfonic acids, petroleum	X						X			2									
61789864	Sulfonic acids, petroleum, calcium salts	X									1									
61789875	Sulfonic acids, petroleum, magnesium salts							X			1									
61789977	Tallow							X			1									
61789999	Lard							X	X		2									
61790123	Fatty acids, tall-oil	X	X								2									
61790134	Naphthenic acids, sodium salts							X	X		2									
61790189	Amines, soya alkyl										0									
61790281	Nitriles, tallow										0									
61790292	Nitriles, tallow, hydrogenated										0									
61790338	Amines, tallow alkyl	X							X		2									
61790350	Tall oil, sulfated, sodium salt									U	0									
61790372	Fatty acids, tallow										0									
61790383	Fatty acids, tallow, hydrogenated										0									
61790429	Amines, tris(hydrogenated tallow alkyl)										0									
61790441	Fatty acids, tall-oil, potassium salts										0									
61790452	Fatty acids, tall-oil, sodium salts										0									
61790485	Sulfonic acids, petroleum, barium salts										0									
61790496	Lard, oil, sulfurized										0									
61790509	Resin acids and Rosin acids, potassium salts										0									
61790510	Resin acids and Rosin acids, sodium salts										0									
61790634	Fatty acids, coco, compds. with diethanolamine										0									
61790690	Fatty acids, tall-oil, reaction products with diethylenetriamine										0									
61790792	Fatty acids, palm-oil, sodium salts										0									
61791002	Fatty acids, tall-oil, ethoxylated										0									

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
61791013	Fatty acids, tall-oil, diesters with polyethylene glycol								0					
61791126	Castor oil, ethoxylated	X		X					2					X
61791262	Amines, tallow alkyl, ethoxylated	X		X		X			3					
61791319	Ethanol, 2,2'-iminobis-, N-coco alkyl derivs.	X							1					
61791397	1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.					X			1					
61791444	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	X					X		2					
61791477	Ethanol, 2,2'-iminobis-, N-coco alkyl derivs., N-oxides								0					X
61791557	Amines, N-tallow alkyltrimethylenedi-								0					
61898951	Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, methyl este								0					
62569282	1,3-Isobenzofurandione, polymer with 2,5-furandione, 2,2'-oxybisOethanol p, 1,2-								0					
63133744	Acetonitrile, Oethyl(3-methylphenyl)amino p-								0					
63231607	Paraffin waxes and Hydrocarbon waxes, microcryst.								0					X
63302498	Phosphorochloridous acid, bis(4-nonylphenyl) ester								0					
63393828	Alcohols, C12-15					X	X		2					
63449398	Paraffin waxes and Hydrocarbon waxes, chloro	X	X	X	X	X	X		6					X
63512641	Naphthalene, diisononyl-								0					
63721051	4-Pentenoic acid, 3,3-dimethyl-, methyl ester								0					
63734623	Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-	X			X	X			3					
64147406	Castor oil, dehydrated								0					
64354923	Propanenitrile, 3-(isodecyloxy)-								0					
64365179	Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol								0					
64665572	1H-Benzotriazole, 4(or 5)-methyl-, sodium salt								0					
64667330	Hexanoic acid, 4,6,6,6-tetrachloro-3,3-dimethyl-, methyl ester								0					
64741419	Naphtha, (petroleum), heavy straight-run	X	X						2					
64741420	Naphtha, (petroleum), full-range straight-run	X							1					
64741431	Gas oils, (petroleum), straight-run	X							1					
64741442	Distillates, (petroleum), straight-run middle	X	X		X	X	X		5					
64741453	Residues, (petroleum), atm. tower			X					1					
64741464	Naphtha, (petroleum), light straight-run				X				1					
64741475	Natural gas condensates, (petroleum)								0					
64741486	Natural gas, (petroleum), raw liq. mix								0					
64741497	Condensates, (petroleum), vacuum tower	X	X	X					3					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O T A L	T R I H I G H	T R I	O S H A	P E L	C P C
64741500	Distillates, (petroleum), light paraffinic	X	X		X				3					
64741511	Distillates, (petroleum), heavy paraffinic		X		X				2					
64741522	Distillates, (petroleum), light naphthenic		X		X				2					X
64741533	Distillates, (petroleum), heavy naphthenic		X	X	X				3					
64741544	Naphtha, (petroleum), heavy catalytic cracked	X	X		X	X			4					
64741555	Naphtha, (petroleum), light catalytic cracked	X	X	X	X	X			5					
64741566	Residues, (petroleum), vacuum	X	X		X				3					
64741577	Gas oils, (petroleum), heavy vacuum	X	X	X					3					
64741588	Gas oils, (petroleum), light vacuum								0					
64741599	Distillates, (petroleum), light catalytic cracked	X	X	X	X	X	X		6					X
64741602	Distillates, (petroleum), intermediate catalytic cracked	X	X		X		X		4					
64741613	Distillates, (petroleum), heavy catalytic cracked	X	X		X		X		4					
64741624	Clarified oils, (petroleum), catalytic cracked	X	X	X	X	X	X		6					
64741635	Naphtha, (petroleum), light catalytic reformed	X			X				2					
64741646	Naphtha, (petroleum), full-range alkylate						X		1					
64741657	Naphtha, (petroleum), heavy alkylate								0					X
64741668	Naphtha, (petroleum), light alkylate	X	X	X	X		X		5					X
64741679	Residues, (petroleum), catalytic reformer fractionator	X			X	X			3					
64741680	Naphtha, (petroleum), heavy catalytic reformed	X	X		X				3					
64741691	Naphtha, (petroleum), light hydrocracked								0					
64741704	Naphtha, (petroleum), isomerization								0					
64741726	Naphtha, (petroleum), polymn.								0					
64741737	Distillates, (petroleum), alkylate								0					
64741748	Naphtha, (petroleum), light thermal cracked								0					
64741759	Residues, (petroleum), hydrocracked		X						1					
64741760	Distillates, petroleum, heavy hydrocracked		X						1					
64741771	Distillates, (petroleum), light hydrocracked								0					
64741782	Naphtha, (petroleum), heavy hydrocracked								0					
64741793	Coke, (petroleum)		X		X				2					
64741806	Residues, (petroleum), thermal cracked		X						1					
64741817	Distillates, (petroleum), heavy thermal cracked	X	X	X					3					
64741828	Distillates, (petroleum), light thermal cracked	X	X	X					3					

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G G E R	O S H A L E	P E L E	C P C
64741839	Naphtha, (petroleum), heavy thermal cracked	X	X		X				3				
64741840	Naphtha, (petroleum), solvent-refined light				X				1				
64741851	Raffinates, (petroleum), sorption process								0				
64741862	Distillates, (petroleum), sweetened middle								0				
64741873	Naphtha, (petroleum), sweetened	X	X		X				3				X
64741884	Distillates, (petroleum), solvent-refined heavy paraffinic		X	X	X	X			4				
64741895	Distillates, (petroleum), solvent-refined light paraffinic	X	X	X					3				
64741908	Gas oils, (petroleum), solvent-refined								0				
64741919	Distillates, (petroleum), solvent-refined middle	X		X	X		X		4				
64741920	Naphtha, (petroleum), solvent-refined heavy								0				
64741953	Residual oils, (petroleum), solvent deasphalted								0				
64741964	Distillates, (petroleum), solvent-refined heavy naphthenic	X	X		X				3				
64741975	Distillates, (petroleum), solvent-refined light naphthenic	X	X		X				3				
64741986	Extracts, (petroleum), heavy naphtha solvent				X				1				
64741997	Extracts, (petroleum), light naphtha solvent				X				1				
64742014	Residual oils, (petroleum), solvent-refined			X					1				
64742036	Extracts, (petroleum), light naphthenic distillate solvent		X						1				
64742047	Extracts, (petroleum), heavy paraffinic distillate solvent		X	X	X				3				
64742058	Extracts, (petroleum), light paraffinic distillate solvent	X	X		X				3				
64742069	Extracts, (petroleum), middle distillate solvent								0				
64742070	Raffinates, (petroleum), residual oil decarbonization								0				
64742105	Extracts, (petroleum), residual oil solvent								0				
64742116	Extracts, (petroleum), heavy naphthenic distillate solvent		X	X	X				3				
64742150	Naphtha, (petroleum), acid-treated								0				
64742161	Petroleum resins	X	X		X		X		4				
64742183	Distillates, (petroleum), acid-treated heavy naphthenic								0				
64742194	Distillates, (petroleum), acid-treated light naphthenic								0				
64742229	Naphtha, (petroleum), chemically neutralized heavy								0				
64742230	Naphtha, (petroleum), chemically neutralized light								0				
64742241	Sludges, (petroleum), acid								0				
64742252	Lubricating oils, (petroleum), acid-treated spent								0				
64742296	Gas oils, (petroleum), chemically neutralized								0				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C I T Y	T R I G G E R	O S H A L E	P E L E	C P C
64742309	Distillates, (petroleum), chemically neutralized middle		X				X		2				
64742310	Distillates, (petroleum), chemically neutralized light								0				
64742343	Distillates, (petroleum), chemically neutralized heavy naphthenic		X						1				
64742354	Distillates, (petroleum), chemically neutralized light naphthenic		X						1				
64742365	Distillates, (petroleum), clay-treated heavy paraffinic	X							1				
64742376	Distillates, (petroleum), clay-treated light paraffinic								0				
64742387	Distillates, petroleum, clay-treated middle								0				
64742401	Neutralizing agents, (petroleum), spent sodium hydroxide								0				
64742412	Residual oils, (petroleum), clay-treated								0				
64742423	Hydrocarbon waxes, (petroleum), clay-treated microcryst.								0				
64742434	Paraffin waxes, (petroleum), clay-treated								0				
64742456	Distillates, (petroleum), clay-treated light naphthenic								0				
64742467	Distillates, (petroleum), hydrotreated middle		X		X		X		3				
64742478	Distillates, (petroleum), hydrotreated light	X				X			2				X
64742489	Naphtha, (petroleum), hydrotreated heavy	X				X			2				
64742490	Naphtha, (petroleum), hydrotreated light								0				
64742503	Lubricating oils, (petroleum), clay-treated spent								0				
64742514	Paraffin waxes, (petroleum), hydrotreated								0				
64742525	Distillates, (petroleum), hydrotreated heavy naphthenic	X	X	X	X				4				
64742536	Distillates, (petroleum), hydrotreated light naphthenic	X	X		X				3				X
64742547	Distillates, (petroleum), hydrotreated heavy paraffinic	X	X		X				3				
64742558	Distillates, (petroleum), hydrotreated light paraffinic	X	X		X	X			4				
64742569	Distillates, (petroleum), solvent-dewaxed light paraffinic	X	X		X				3				
64742570	Residual oils, (petroleum), hydrotreated		X		X	X			3				
64742581	Lubricating oils, (petroleum), hydrotreated spent								0				
64742592	Gas oils, (petroleum), hydrotreated vacuum								0				
64742605	Hydrocarbon waxes, (petroleum), hydrotreated microcryst.								0				
64742616	Slack wax, (petroleum)								0				
64742627	Residual oils, (petroleum), solvent-dewaxed				X				1				
64742638	Distillates, (petroleum), solvent-dewaxed heavy naphthenic								0				
64742650	Distillates, (petroleum), solvent-dewaxed heavy paraffinic	X	X	X	X				4				
64742672	Foots oil, (petroleum)								0				

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C A L	T R I H I G H	T R I	O S H A	P E L	C P C
64742694	Naphthenic oils, (petroleum), catalytic dewaxed light									0				
64742707	Paraffin oils, (petroleum), catalytic dewaxed heavy									0				
64742718	Paraffin oils, (petroleum), catalytic dewaxed light									0				
64742729	Distillates, (petroleum), catalytic dewaxed middle									0				
64742730	Naphtha, (petroleum), hydrodesulfurized light									0				
64742785	Residues, (petroleum), hydrodesulfurized atmospheric tower									0				
64742796	Gas oils, (petroleum), hydrodesulfurized									0				
64742809	Distillates, (petroleum), hydrodesulfurized middle	X	X		X					3				
64742810	Kerosine, (petroleum), hydrodesulfurized	X	X		X					3				
64742821	Naphtha, (petroleum), hydrodesulfurized heavy									0				
64742832	Naphtha, (petroleum), light steam-cracked									0				
64742854	Residues, (petroleum), hydrodesulfurized vacuum									0				
64742865	Gas oils, (petroleum), hydrodesulfurized heavy vacuum		X	X						2				
64742876	Gas oils, (petroleum), hydrodesulfurized light vacuum		X							1				
64742887	Solvent naphtha, (petroleum), medium aliph.	X			X		X			3				X
64742898	Solvent naphtha, (petroleum), light aliph.	X			X					2				X
64742901	Residues, (petroleum), steam-cracked		X		X		X			3				
64742912	Distillates, (petroleum), steam-cracked		X							1				
64742923	Petroleum resins, oxidized									0				
64742934	Asphalt, oxidized									0				X
64742945	Solvent naphtha, (petroleum), heavy arom.	X	X		X					3				X
64742956	Solvent naphtha, (petroleum), light arom.	X		X	X	X	X			5				X
64742967	Solvent naphtha, (petroleum), heavy aliph.				X					1				
64742989	Distillates, (petroleum), oxidized light									0				
64743006	Hydrocarbon waxes, (petroleum), oxidized									0				
64743017	Petrolatum, (petroleum), oxidized									0				
64743028	Alkenes, C>10 .alpha.-	X					X			2				
64743039	Phenols, (petroleum)									0				
64743051	Coke, (petroleum), calcined									0				
64743062	Extracts, (petroleum), gas oil solvent									0				
64743073	Sludges, (petroleum), chemically neutralized									0				
64754898	Naphthenic acids, (petroleum), crude									0				

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C
		U	N	R	E	A	O	A	I	O	H	H	I	T	A	H	R	E	L	P
		T	I	A		G	T	T	D	A	I	G	R	I	L	A	P	E	L	C
		E	C	R		E	X	E	S	L	H									
64754934	Fatty acids, tall-oil, reaction products with polyethylenepolyamines, acetates																			0
64755017	Fatty acids, tallow, calcium salts																			0
64771717	Paraffins, (petroleum), normal C>10	X																		1
64771728	Paraffins, (petroleum), normal C5-20	X																		1
65206908	Carbamic acid, (aminoiminomethyl)methyl-, dimethyl deriv., ethyl ester, monohyd																			0
65381091	Decanoic acid, ester with 1,2,3-propanetriol octanoate																			0
65652417	Phosphoric acid, bisO(1,1-dimethylethyl)phenyl p phenyl ester						X	X												2
65817507	1,2-Ethanediamine, N-(2-aminoethyl)-N'-O2-O2-(8-heptadecenyl)-4,5-dihydro-1H-im																			0
65996614	Pulp, cellulose																			0
65996625	Starch, oxidized																			0
65996636	Starch, acid-hydrolyzed																			0
65996647	Starch, enzyme-hydrolyzed																			0
65996705	Dust, ferrous metal, blast furnace			X					X											2
65996772	Coke, (coal)																			0
65996783	Light oil, (coal), coke-oven						X		X											2
65996794	Solvent naphtha, (coal)																			0
65996807	Ammonia liquor, (coal)																			0
65996818	Fuel gases, coke-oven																			0
65996829	Tar oils, coal																			0
65996830	Extracts, coal tar oil alk.																			0
65996863	Extract oils, (coal), tar base																			0
65996874	Extract residues, (coal), tar oil alk.																			0
65996896	Tar, coal, high-temp.						X													1
65996910	Distillates, (coal tar), upper																			0
65996921	Distillates, (coal tar)																			0
65996932	Pitch, coal tar, high-temp.			X		X		X												3
65996965	Terpenes and Terpenoids, turpentine-oil, .alpha.-pinene fraction									U										0
65996976	Terpenes and Terpenoids, turpentine-oil, .beta.-pinene fraction																			0
65996987	Terpenes and Terpenoids, limonene fraction																			0
65996998	Terpenes and Terpenoids, turpentine-oil, limonene fraction																			0
65997015	Tall oil, sodium salt																			0
65997026	Wastewater, tall-oil soap acidulation																			0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	R	I	T	P	C
		U	N	R	E	A	O	A	I	O	H	R	A	I	E	P
		T	I	A		G	T	T	D	A	G	I	S	H	L	C
		E	C	R		E	X	E	S	L	H					
65997037	Fatty acids, tall-oil, low-boiling															0
65997048	Rosin, fumarated															0
65997060	Rosin, hydrogenated															0
65997139	Resin acids and Rosin acids, hydrogenated, esters with glycerol															0
66028011	Benzene, 1-O2-O2-(2-chloroethoxy)ethoxy pethoxy p-4-octyl-															0
66071929	Sulfite liquors and Cooking liquors, spent															0
66071941	Corn, steep liquor															0
66241110	C.I. Leuco Sulphur Black 1															0
66346018	3-Pentanone, 1-(4-chlorophenyl)-4,4-dimethyl-	X														1
66455172	Alcohols, C9-11	X					X	X								3
66697276	Benzene, 1,2-dimethyltetrapropylene-															0
67124098	2-Propanol, 1-(tert-dodecylthio)-															0
67700996	Amines, di-C14-18-alkylmethyl	X			X	X	X	X								5
67701024	Fatty acids, C14-18															0
67701035	Fatty acids, C16-18															0
67701057	Fatty acids, C8-18 and C18-unsatd.															0
67701068	Fatty acids, C14-18 and C16-18-unsatd.															0
67701079	Fatty acids, C16 and C18-unsatd.															0
67701080	Fatty acids, C16-18 and C18-unsatd.															0
67701091	Fatty acids, C8-18 and C18-unsatd., potassium salts															0
67701104	Fatty acids, C8-18 and C18-unsatd., sodium salts															0
67701115	Fatty acids, C14-18 and C16-18-unsatd., sodium salts															0
67701126	Fatty acids, C14-18 and C16-18-unsatd., zinc salts															0
67701273	Glycerides, C14-18															0
67701284	Glycerides, C8-18 and C18-unsatd.															0
67701295	Glycerides, C14-18 and C16-18-unsatd.															0
67701308	Glycerides, C16-18 and C18-unsatd.															0
67701320	Glycerides, C14-18 and C16-18-unsatd. mono- and di-															0
67762190	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers,		X													1
67762258	Alcohols, C12-18															0
67762269	Fatty acids, C14-18 and C16-18-unsatd., Me esters															0
67762270	Alcohols, C16-18															0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	O	P	C
		U	N	R	E	T	C	A	I	O	I	R	I	A	E	P
		T	I	A		A	O	T	D	A	G				L	C
		E	C	R		N	X	E	S	L	H					
67762305	Alcohols, C14-18													0		
67762349	Fatty acids, C8-18 and C18-unsatd., zinc salts													0		
67762361	Fatty acids, C6-12													0		
67762372	Fatty acids, C8-18 and C18-unsatd., Me esters													0		
67762383	Fatty acids, C16-18 and C18-unsatd., Me esters													0		
67762394	Fatty acids, C6-12, Me esters													0		
67762407	Fatty acids, C10-16, Me esters													0		
67762418	Alcohols, C10-16													0		
67762441	Fatty acids, C6-12, sodium salts													0		
67762521	Carboxylic acids, C5-9, hexaesters with dipentaerythritol													0		
67762532	Carboxylic acids, C5-9, tetraesters with pentaerythritol													0		
67762554	Alkenes, C15-18 .alpha.-, sulfurized													0		
67762725	2,5-Pyrrolidinedione,													0		
67762770	2,5-Furandione, dihydro-, monopolyisobutylene derivs.													0		
67762792	2,5-Furandione, dihydro-, monopolybutenyl derivs.													0		
67763148	Phosphoric acid, mono(2-ethylhexyl) ester, compd. with tert-dodecanamine													0		
67774747	Benzene, C10-13-alkyl derivs.							X						1		
67784774	Quaternary ammonium compounds, bis(hydroxyethyl)methyltallow alkyl, chlorides									U				0		
67827796	1,2-Benzenedicarboxylic acid, di-2-propenyl ester, polymer with ethyl 2-propeno													0		
67828142	2-Naphthalenesulfonic acid, polymer with formaldehyde, potassium salt													0		
67845265	4H-Pyran-4-one, tetrahydro-3,5-bis(hydroxymethyl)-													0		
67859512	Zincate(2-), OON,N'-1,2-ethanediybisON-(carboxymethyl)glycinato p p(4-)-N,N',O,O													0		
67891796	Distillates, (petroleum), heavy arom.													0		
67891809	Distillates, (petroleum), light arom.													0		
67905275	1-Octacosanol, aluminum salt													0		
67905286	1-Hexacosanol, aluminum salt													0		
67905297	1-Tetracosanol, aluminum salt													0		
67905300	1-Docosanol, aluminum salt													0		
67905311	1-Eicosanol, aluminum salt													0		
67905322	1-Tetradecanol, aluminum salt													0		
67905913	2-Propenoic acid, polymer with formaldehyde, 2,5-furandione, methyloxirane, 4-n													0		
67906303	2H-1-Benzopyran-2-one, 7-O(2-amino-1-naphthalenyl)azo p-3-phenyl-													0		

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R R A R E	M U T A G E N X	E C T O T O X I C	F A T T E R S	S I T E S	T O X I C I T Y	T R I T H I L I T Y	T R I T H I L I T Y	O S H A L E P E L C P C
67953768	Phosphonic acid, (1-hydroxyethylidene)bis-, potassium salt											0
67989235	1,2,4-Benzenetricarboxylic acid, decyl octyl ester											0
67989246	9-Octadecenoic acid (Z)-, ester with 2,2-dimethyl-1,3-propanediol											0
67998941	Octadecanoic acid, sulfo-, sodium salt											0
68002584	Quaternary ammonium compounds, di-C14-18-alkyldimethyl, Me sulfates											0
68002595	Quaternary ammonium compounds, di-C14-18-alkyldimethyl, chlorides											0
68002642	Nitriles, C16 and C18-unsatd.											0
68002653	Nitriles, C16-18											0
68002675	Nitriles, C6-12											0
68002799	Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane											0
68002802	Fatty acids, C14-18 and C16-18-unsatd., potassium salts											0
68002835	Fatty acids, C16 and C18-unsatd. and C18-unsatd. hydroxy, compds. with isopropa											0
68002879	Fatty acids, C14-18 and C16-22-unsatd.											0
68002904	Fatty acids, C10-16											0
68037467	2-Propenoic acid, methyl ester, homopolymer, hydrolyzed, sodium salt											0
68037912	Amines, C14-18-alkyl											0
68037945	Amines, C8-18 and C18-unsatd. alkyl											0
68037956	Amines, C16-18 and C18-unsatd. alkyl											0
68038324	Fatty acids, vegetable-oil, esters with neopentyl glycol											0
68052493	1,6-Hexanediaminium, N,N,N',N'-tetrabutyl-N,N'-diethyl-, bis(ethyl sulfate)											0
68081776	Benzene, polypropene derivs.											0
68081812	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	X										1
68081845	Oxirane, monoO(C10-16-alkyloxy)methyl p derivs.							U				0
68081867	Phenol, nonyl derivs.											0
68081969	Sulfuric acid, mono-C10-16-alkyl esters, ammonium salts											0
68081981	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts											0
68082644	Fatty acids, vegetable-oil, sodium salts											0
68082779	Fats and Glyceridic oils, herring, polymd., oxidized											0
68082780	Lard, oil, Me esters											0
68082928	Rosin, fumarated, polymer with formaldehyde, potassium salt											0
68130518	Decanoic acid, mixed esters with heptanoic acid, isovaleric acid, octanoic acid											0
68130530	Decanoic acid, mixed esters with heptanoic acid, octanoic acid and trimethylolp											0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	R	I	O	S	H	A	T	P	C
		U	N	R	E	A	C	A	I	O	H	T	R	A	H	A		I	E	P
		T	I	A	R	G	O	T	D	A	I	R	I	L						
		E	C	R	E	N	X	E	S											
68131044	Humic acids, sodium salts	X			X	X					3									
68131055	Hydrocarbon oils, process blends										0									
68131135	Naphthenic acids, reaction products with diethylenetriamine										0									
68131306	Sulfite liquors and Cooking liquors, green										0									
68131339	Sulfite liquors and Cooking liquors, white										0									
68131726	Polyphosphoric acids, esters with triethanolamine, sodium salts										0									
68131748	Ashes, (residues)				X	X					2									
68131759	Gases, (petroleum), C3-4										0									
68132467	Fatty acids, tall-oil, compds. with triethanolamine										0									
68140001	Amides, coco, N-(hydroxyethyl)										0									
68140012	Amides, coco, N-O3-(dimethylamino)propyl p										0									
68140089	Amides, tallow, N,N-bis(hydroxyethyl)										0									
68140169	Tall-oil pitch, sodium salt										0									
68152921	Tall oil, disproportionated										0									
68153026	Nitriles, C16-22										0									
68153220	Paraffin waxes and Hydrocarbon waxes, oxidized										0									
68153231	Peanut oil, glycerol trioleate-enriched, sulfated, sodium salt										0									
68153300	Quaternary ammonium compounds, benzylbis(hydrogenated tallow alkyl)methyl, salt										0									
68153606	Fatty acids, tall-oil, reaction products with diethylenetriamine, acetates										0									
68153957	Amines, di-C12-18-alkyl										0									
68154245	Fatty acids, C8-18 and C18-unsatd., compds. with triethanolamine										0									
68154303	Fatty acids, C14-18, ethoxylated										0									
68154369	Fatty acids, coco, monoesters with sorbitan										0									
68155204	Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	X									1									
68155384	Amines, C14-18 and C16-18-unsatd. alkyl										0									
68155395	Amines, C14-18 and C16-18-unsatd. alkyl, ethoxylated										0									
68186141	Resin acids and Rosin acids, Me esters										0									
68186367	Poly(oxy-1,2-ethanediy), .alpha.-tridecyl-.omega.-hydroxy-, phosphate, potassi										0									
68187417	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters										0									
68187575	Pitch, coal tar-petroleum										0									
68187586	Pitch, petroleum, arom.			X			X	X			3									
68187597	Coal, anthracite, calcined										0									

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C	
		U	N	R	E	A	O	A	I	O	H	I	T	G	R	E	L				
		T	I	A		G	T	T	D	A											
		E	C	R		N	X	E	S	L	H		I								
68187600	Hydrocarbons, C4, ethane-propane-cracked																				0
68187757	Fats and Glyceridic oils, fish, oxidized																				0
68187768	Castor oil, sulfated, sodium salt																				0
68187848	Castor oil, oxidized																				0
68188158	Slimes and Sludges, papermaking, secondary																				0
68188181	Paraffin oils, chlorosulfonated, saponified																				0
68188818	Grease, poultry																				0
68201321	Asphalt, sulfonated, sodium salt																				0
68201467	Glycerides, coco mono- and di-, ethoxylated																				0
68201592	Resin acids and Rosin acids, fumarated, sodium salts																				0
68227463	Propanoic acid, 2-hydroxy-, compd. with 3-O2-(dimethylamino)ethyl p 1-(2-ethylhe																				0
68239190	Propanenitrile, 3-(tridecyloxy)-																				0
68307982	Tail gas, (petroleum), catalytic cracked distillate and catalytic cracked napht																				0
68307993	Tail gas, (petroleum), catalytic polymn. naphtha fractionation stabilizer																				0
68308010	Tail gas, (petroleum), cracked distillate hydrotreater stripper																				0
68308032	Tail gas, (petroleum), gas oil catalytic cracking absorber																				0
68308043	Tail gas, (petroleum), gas recovery plant																				0
68308054	Tail gas, (petroleum), gas recovery plant deethanizer																				0
68308065	Tail gas, (petroleum), hydrodesulfurized distillate and hydrodesulfurized napht																				0
68308076	Tail gas, (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulf																				0
68308087	Tail gas, (petroleum), isomerized naphtha fractionation stabilizer																				0
68308101	Tail gas, (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulf																				0
68308112	Tail gas, (petroleum), propane-propylene alkylation feed prep deethanizer																				0
68308123	Tail gas, (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free																				0
68308156	Alkenes, C5, polymd.																				0
68308270	Fuel gases, refinery																				0
68308349	Shale oils	X	X	X	X	X															5
68308532	Fatty acids, soya																				0
68308678	Quaternary ammonium compounds, ethyldimethylsoya alkyl, Et sulfates																				0
68308747	Amides, tall-oil fatty, N,N-di-Me																				0
68309160	Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters																				0
68309273	Fatty acids, tall-oil, sulfonated, sodium salts																				0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C
68333222	Residues, (petroleum), atmospheric														0					
68333233	Naphtha, (petroleum), heavy coker														0					
68333255	Distillates, (petroleum), hydrodesulfurized light catalytic cracked														0					
68333266	Clarified oils, (petroleum), hydrodesulfurized catalytic cracked														0					
68333277	Distillates, (petroleum), hydrodesulfurized intermediate catalytic cracked														0					
68333299	Residues, (petroleum), light naphtha solvent extracts														0					
68333802	Alcohols, C14-16														0					
68333880	Aromatic hydrocarbons, C9-17														0					
68334009	Cottonseed oil, hydrogenated														0					
68334010	Disulfides, alkylaryl dialkyl diaryl, petroleum refinery spent caustic oxidn. p														0					
68334032	Fatty acids, C12-20 and C12-20-unsatd.														0					
68334134	Fatty acids, tall-oil, 2-ethylhexyl esters														0					
68334189	Fatty acids, tall-oil, tetraesters with pentaerythritol														0					
68334281	Fats and Glyceridic oils, vegetable, hydrogenated														0					
68334305	Fuels, diesel	X		X	X	X	X	X							6					
68334407	Terpenes and Terpenoids, limonene fraction, distn. residues														0					
68334623	Propanoic acid, 3-(hydroxymethylphosphinyl)-, mono(2-hydroxyethyl) ester														0					
68390567	Fatty acids, tallow, hydrogenated, dimers, diketene derivs.														0					
68390965	Hydrocarbons, C3, chloro														0					
68391015	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides														0					
68391059	Quaternary ammonium compounds, di-C12-18-alkyldimethyl, chlorides														0					
68391117	Pyridine, alkyl derivs.	X													1					
68409767	Bone meal, steamed														0					
68409994	Gases, (petroleum), catalytic cracked overheads														0					
68410004	Distillates, (petroleum), crude oil	X		X	X	X									4					
68410059	Distillates, (petroleum), straight-run light														0					
68410231	Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines														0					
68410639	Natural gas, dried														0					
68410695	Poly(oxy-1,2-ethanediy), .alpha.-O2-Obis(2-aminoethyl)methylammonio pethyl p-.om	X							X						2					
68410719	Raffinates, (petroleum), catalytic reformer ethylene glycol-water countercurren														0					
68410968	Distillates, (petroleum), hydrotreated middle, intermediate boiling														0					
68410979	Distillates, (petroleum), light distillate hydrotreating process, low-boiling														0					X

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D S	T O X I C A L	T R I H I G H	T R I	O S H A	P E L	C P C
68410980	Distillates, (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads													0
68410991	Alkenes, polymd., chlorinated	X												1
68411007	Alkenes, C>8	X												1
68411325	Benzenesulfonic acid, dodecyl-, branched													0
68411449	Benzene, butyl-, branched and linear													0
68411461	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene													0
68411585	2,5-Furandione, 3-(dodecenyldihydro-, reaction products with propylene oxide													0
68411723	Ethane, chloro derivs.													0
68411767	Cyclohexane, oxidized, non-volatile residue													0
68411814	2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(hydroxymethyl)-, methylated													0
68411905	Hexanedinitrile, hydrogenated, high-boiling fraction													0
68412044	1,6-Octadiene, 7-methyl-3-methylene-, acetylated													0
68412293	Starch, hydrolyzed													0
68412408	Pyridine, chloro derivs.													0
68412588	Phosphorodithioic acid, mixed hexyl and iso-Pr esters, zinc salts													0
68412602	Phosphoric acid, mixed decyl and Et and octyl esters													0
68412839	Sulfuric acid, mono-C8-30-alkyl esters, compds. with triethanolamine													0
68424317	Fatty acids, C5-10, esters with pentaerythritol													0
68424373	Fatty acids, C14-22													0
68424384	Fatty acids, C16-18, sodium salts													0
68424602	Glycerides, C16-22 and C18-unsatd.													0
68424839	Pulp, cellulose, ext., caustic													0
68424851	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	X						X						2
68425081	Rosin, distn. overheads													0
68425161	Polysulfides, di-tert-nonyl													0
68425172	Syrups, hydrolyzed starch, hydrogenated													0
68425310	Gasoline, (natural gas), natural													0
68425343	Petrolatum, (petroleum), oxidized, calcium salt													0
68425478	Amides, soya, N,N-bis(hydroxyethyl)													0
68439305	Oxirane, methyl-, polymer with oxirane, 8-methylnonyl ether													0
68439576	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts													0
68439805	Amines, polyethylenepoly-, reaction products with succinic anhydride polybuteny													0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C	
		U	N	R	E	A	O	A	I	O	H	I	T	R	A	H	A	E	P	C	
		T	I	A		G	T	T	D	A	G							L			
		E	C	R	E	N	X	E	S	L	H		I								
68439861	Bone, ash																				0
68440153	Fatty acids, palm-oil																				0
68440426	Fats and Glyceridic oils, menhaden, polymd., oxidized																				0
68441098	Hydrocarbon waxes, (petroleum), clay-treated microcryst., contg. polyethylene,																				0
68441667	Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric a																				0
68442126	9-Octadecenoic acid (Z)-, 2-mercaptoethyl ester, reaction products with dichlor																				0
68442604	Acetaldehyde, reaction products with formaldehyde, by-products from																				0
68442693	Benzene, mono-C10-14-alkyl derivs.	X																			1
68442773	2-Butenediamide, (E)-, N,N'-bisO2-(4,5-dihydro-2-nortall-oil alkyl-1H-imidazol-									C											0
68442977	1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nortall-oil alkyl derivs.	X																			1
68443856	Isooctadecanoic acid, monoamide with 2-O(2-aminoethyl)amino pethanol																				0
68457136	Cobalt, borate neodecanoate complexes																				0
68457749	Phenol, isobutylenated methylstyrenated																				0
68457794	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	X	X			X															3
68457852	Sulfuric acid, esters, wastes																				0
68475581	Alkanes, C2-3																				0
68475592	Alkanes, C3-4																				0
68475605	Alkanes, C4-5																				0
68475796	Distillates, (petroleum), catalytic reformed depentanizer																				0
68475809	Distillates, (petroleum), light steam-cracked naphtha																				0
68476039	Fatty acids, montan-wax																				0
68476051	Fatty acids, montan-wax, 2-hydroxyethyl esters																				0
68476266	Fuel gases																				1
68476277	Fuel gases, amine system residues																				0
68476288	Fuel gases, C6-8 catalytic reformer																				0
68476299	Fuel gases, crude oil distillates																				0
68476302	Fuel oil, no. 2	X	X			X	X	X													5
68476313	Fuel oil, no. 4			X																	1
68476324	Fuel oil, residues-straight-run gas oils, high-sulfur							X	X												2
68476335	Fuel oil, residual	X	X																		2
68476346	Fuels, diesel, no. 2			X																	1
68476404	Hydrocarbons, C3-4																				0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C
68476426	Hydrocarbons, C4-5														0					
68476437	Hydrocarbons, C4-6, C5-rich														0					
68476448	Hydrocarbons, C>3														0					
68476459	Hydrocarbons, C5-10 arom. conc., ethylene-manuf.-by-product														0					
68476460	Hydrocarbons, C3-11, catalytic cracker distillates														0					
68476482	Hydrocarbons, C2-6, chloro														0					
68476493	Hydrocarbons, C2-4, C3-rich														0					
68476506	Hydrocarbons, C.gtoREQ.5, C5-6-rich														0					
68476528	Hydrocarbons, C4, ethylene-manuf.-by-product														0					
68476539	Hydrocarbons, C.gtoREQ.20, petroleum wastes														0					
68476540	Hydrocarbons, C3-5, polymn. unit feed														0					
68476551	Hydrocarbons, C5-rich														0					
68476562	Hydrocarbons, cyclic C5 and C6														0					
68476788	Molasses														0					
68476802	Fats and Glyceridic oils, vegetable, deodorizer distillates														0					
68476857	Petroleum gases, liquefied														0			X	X	
68476868	Petroleum gases, liquefied, sweetened														0					
68477225	Benzene, ethenyl-, distn. residues, thermally cracked														0					
68477258	Waste gases, vent gas, C1-6														0					
68477269	Wastes, petroleum														0					
68477270	Waste solids, pulp mill														0					
68477316	Distillates, (petroleum), catalytic reformer fractionator residue, low-boiling	X		X											2					
68477338	Gases, (petroleum), C3-4, isobutane-rich														0					
68477349	Distillates, (petroleum), C3-5, 2-methyl-2-butene-rich														0					
68477350	Distillates, (petroleum), C3-6, piperylene-rich														0					
68477429	Gases, (petroleum), extractive, C3-5, butene-isobutylene-rich														0					
68477474	Distillates, (petroleum), mixed heavy olefin vacuum, heart-cut														0					
68477543	Distillates, (petroleum), steam-cracked, C8-12 fraction														0					
68477587	Distillates, (petroleum), steam-cracked petroleum distillates, C5-18 fraction														0					
68477634	Extracts, (petroleum), reformer recycle														0					
68477656	Gases, (petroleum), amine system feed														0					
68477667	Gases, (petroleum), benzene unit hydrodesulfurizer off														0					

C H T M E T R I O
 A R U E C O S O H S H
 C O N A T O F S T H I T P C
 U N I R A G E O A I T A G R E L
 T I R A E O T E S D A G I P C
 E C R E E N X E S L H I L C

CASNO

CHEMICAL

68477678	Gases, (petroleum), benzene unit recycle, hydrogen-rich	0
68477689	Gases, (petroleum), blend oil, hydrogen-nitrogen-rich	0
68477690	Gases, (petroleum), butane splitter overheads	0
68477703	Gases, (petroleum), C2-3	0
68477714	Gases, (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich aci	0
68477725	Gases, (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich	0
68477736	Gases, (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich ac	0
68477747	Gases, (petroleum), catalytic cracker	0
68477758	Gases, (petroleum), catalytic cracker, C1-5-rich	0
68477769	Gases, (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich	0
68477770	Gases, (petroleum), catalytic reformed naphtha stripper overheads	0
68477792	Gases, (petroleum), catalytic reformer, C1-4-rich	0
68477805	Gases, (petroleum), C6-8 catalytic reformer recycle	0
68477816	Gases, (petroleum), C6-8 catalytic reformer	0
68477827	Gases, (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich	0
68477838	Gases, (petroleum), C3-5 olefinic-paraffinic alkylation feed	0
68477850	Gases, (petroleum), C4-rich	0
68477861	Gases, (petroleum), deethanizer overheads	0
68477872	Gases, (petroleum), deisobutanizer tower overheads	0
68477883	Gases, (petroleum), deethanizer overheads, C3-rich	0
68477894	Distillates, (petroleum), depentanizer overheads	0
68477907	Gases, (petroleum), depropanizer dry, propene-rich	0
68477918	Gases, (petroleum), depropanizer overheads	0
68477929	Gases, (petroleum), dry sour, gas-concn.-unit-off	0
68477941	Gases, (petroleum), gas recovery plant depropanizer overheads	0
68477952	Gases, (petroleum), Girbatol unit feed	0
68477974	Gases, (petroleum), hydrogen-rich	0
68477985	Gases, (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich	0
68477996	Gases, (petroleum), isomerized naphtha fractionater, C4-rich, hydrogen sulfide-	0
68478002	Gases, (petroleum), recycle, hydrogen-rich	0
68478013	Gases, (petroleum), reformer make-up, hydrogen-rich	0
68478024	Gases, (petroleum), reforming hydrotreater	0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	O	P	C
		C	R	R	E	U	C	A	I	O	R	I	R	A	E	P
		U	N	A	R	T	O	T	D	S	H	G	I	L	L	C
		T	I	R	E	A	O	E	S	L	H	I	L	A	P	C
		E	C	E		N	X									
68478035	Gases, (petroleum), reforming hydrotreater, hydrogen-methane-rich													0		
68478046	Gases, (petroleum), reforming hydrotreater make-up, hydrogen-rich													0		
68478057	Gases, (petroleum), thermal cracking distn.													0		
68478080	Naphtha, (petroleum), light steam-cracked, C5-fraction, oligomer conc.													0		
68478104	Naphtha, (petroleum), light steam-cracked, debenzenized, C8-16-cycloalkadiene c													0		
68478126	Residues, (petroleum), butane splitter bottoms													0		
68478137	Residues, (petroleum), catalytic reformer fractionator residue distn.													0		
68478159	Residues, (petroleum), C6-8 catalytic reformer													0		
68478160	Residual oils, (petroleum), deisobutanizer tower													0		
68478171	Residues, (petroleum), heavy coker gas oil and vacuum gas oil													0		
68478193	Residual oils, (petroleum), propene purifn. splitter													0		
68478206	Residues, (petroleum), steam-cracked petroleum distillates cyclopentadiene conc													0		
68478240	Tail gas, (petroleum), catalytic cracker, catalytic reformer and hydrodesulfuri													0		
68478251	Tail gas, (petroleum), catalytic cracker refractionation absorber													0		
68478262	Tail gas, (petroleum), catalytic reformed naphtha fractionation stabilizer													0		
68478273	Tail gas, (petroleum), catalytic reformed naphtha separator													0		
68478284	Tail gas, (petroleum), catalytic reformed naphtha stabilizer													0		
68478295	Tail gas, (petroleum), cracked distillate hydrotreater separator													0		
68478308	Tail gas, (petroleum), hydrodesulfurized straight-run naphtha separator													0		
68478320	Tail gas, (petroleum), saturate gas plant mixed stream, C4-rich													0		
68478331	Tail gas, (petroleum), saturate gas recovery plant, C1-2-rich													0		
68478342	Tail gas, (petroleum), vacuum residues thermal cracker													0		
68479049	1,3-Propanediamine, N-O3-(tridecyloxy)propyl p-, branched							X						1		
68479094	2-Propenoic acid, telomer with sodium hydrogen sulfite, sodium salt							X						1		
68479981	Benzenediamine, ar,ar-diethyl-ar-methyl-	X	X			X								3		
68511400	1-Propanamine, 3-(tridecyloxy)-, branched													0		
68511502	1-Propene, 2-methyl-, sulfurized													0		
68512027	Benzene, (tetrapropenyl) derivs.													0		
68512265	Starch, 2-hydroxyethyl ether, base-hydrolyzed													0		
68512345	Lignosulfonic acid, sodium salt, sulfomethylated													0		
68512629	Residues, (petroleum), light vacuum													0		
68512630	Benzene, ethenyl-, distn. residues													0		

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68512914	Hydrocarbons, C3-4-rich, petroleum distillates	0
68513020	Naphtha, (petroleum), full-range coker	0
68513031	Naphtha, (petroleum), light catalytic reformed, arom.-free	0
68513111	Fuel gases, hydrotreater fractionation, scrubbed	0
68513122	Fuel gases, saturate gas unit fractionater-absorber overheads	0
68513133	Fuel gases, thermal cracked catalytic cracking residue	0
68513144	Gases, (petroleum), catalytic reformed straight-run naphtha stabilizer overhead	0
68513155	Gases, (petroleum), full-range straight-run naphtha dehexanizer off	0
68513166	Gases, (petroleum), hydrocracking depropanizer off, hydrocarbon-rich	0
68513177	Gases, (petroleum), light straight-run naphtha stabilizer off	0
68513188	Gases, (petroleum), reformer effluent high-pressure flash drum off	0
68513199	Gases, (petroleum), reformer effluent low-pressure flash drum off	0
68513622	Disulfides, C5-12-alkyl	0
68513633	Distillates, (petroleum), catalytic reformed straight-run naphtha overheads	0
68513655	Butane, branched and linear	0
68513666	Residues, (petroleum), alkylation splitter, C4-rich	0
68513688	Residues, (petroleum), deethanizer tower	0
68513699	Residues, (petroleum), steam-cracked light	0
68514067	Sulfite liquors and Cooking liquors, black, vanillin	0
68514158	Gasoline, vapor-recovery	0
68514272	Grease, catch basin	0
68514318	Hydrocarbons, C1-4	0
68514329	Hydrocarbons, C10 and C12, olefin-rich	0
68514330	Hydrocarbons, C12 and C14, olefin-rich	0
68514341	Hydrocarbons, C9-14, ethylene-manuf.-by-product	0
68514363	Hydrocarbons, C1-4, sweetened	0
68514385	Hydrocarbons, C4-10-unsatd.	0
68514396	Naphtha, (petroleum), light steam-cracked, isoprene-rich	0
68514410	Ketones, C12-branched	0
68514670	Nitriles, soya	0
68514681	Nitriles, tall oil fatty	0
68514749	Palm oil, hydrogenated	0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	R	I	O	S	H	A
		U	N	R	A	T	C	A	I	O	H	T	R	P	E	L	C
		T	I	E	R	A	O	T	D	A	G	I	I	L	L		P
		E	C	R	E	N	X	E	S	L	H	I					
68514794	Petroleum products, hydrofiner-powerformer reformates																0
68515253	Benzene, C1-9-alkyl derivs.																0
68515322	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms																0
68515355	Benzene, mono-C10-12-alkyl derivs., fractionation bottoms, light ends																0
68515402	1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters	X					X										2
68515435	1,2-Benzenedicarboxylic acid, di-C9-11-branched and linear alkyl esters																0
68515446	1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear				X			X									2
68515457	1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear		X	X		X	X	X									5
68515479	1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich	X					X	X									3
68515480	1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		X	X		X	X	X	U								5
68515491	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich		X			X	X	X	U								4
68515504	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear						X	X									2
68515753	Hexanedioic acid, di-C7-9-branched and linear alkyl esters	X															1
68515888	Pentene, 2,4,4-trimethyl-, sulfurized																0
68515899	Barium, carbonate nonylphenol complexes																0
68515935	Phenol, nonyl derivs., sulfides																0
68516018	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters																0
68516187	Decene, hydroformylation products																0
68516201	Naphtha, (petroleum), steam-cracked middle arom.																0
68525871	Corn oil, hydrogenated																0
68526523	Alkenes, C6					X											1
68526534	Alkenes, C6-8, C7-rich																0
68526545	Alkenes, C7-9, C8-rich																0
68526556	Alkenes, C8-10, C9-rich																0
68526578	Alkenes, C10-12, C11-rich																0
68526589	Alkenes, C11-13, C12-rich																0
68526772	Aromatic hydrocarbons, ethane cracking scrubber effluent and flare drum																0
68526794	Hexanol, branched and linear																0
68526829	Alkenes, C6-10, hydroformylation products, high-boiling	X					X										2
68526841	Alcohols, C8-10-iso-, C9-rich																0
68526852	Alcohols, C9-11-iso-, C10-rich																0
68526863	Alcohols, C11-14-iso-, C13-rich																0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	P	C	
		U	N	R	E	T	C	A	I	O	H	H	T	R	A	H	I	G	R	E	
		T	I	A		A	O	T	D	A	I	A	I	I					L	P	
		E	C	R	E	N	X	E	S	L	H									C	
68526885	Heptene, hydroformylation products, high-boiling																				0
68526896	Octene, hydroformylation products, high-boiling																				0
68526909	Nonene, hydroformylation products, high-boiling																				0
68526910	Dodecene, hydroformylation products, high-boiling																				0
68526921	Dodecene, hydroformylation products, low-boiling																				0
68526932	Nonene, hydroformylation products, low-boiling																				0
68526965	Heptene, hydroformylation products, low-boiling																				0
68527026	Alkenes, C12-24, chloro																				0
68527037	Pentene, hydroformylation products																				0
68527048	Heptene, hydroformylation products																				0
68527059	Octene, hydroformylation products																				0
68527060	Dodecene, hydroformylation products																				0
68527117	Alkenes, C5																				0
68527139	Gases, (petroleum), acid, ethanolamine scrubber																				0
68527151	Gases, (petroleum), oil refinery gas distn. off																				0
68527162	Hydrocarbons, C1-3																				0
68527184	Gas oils, (petroleum), steam-cracked																				0
68527195	Hydrocarbons, C1-4, debutanizer fraction																				0
68527219	Naphtha, (petroleum), clay-treated full-range straight-run																				0
68527220	Naphtha, (petroleum), clay-treated light straight-run																				0
68527264	Naphtha, (petroleum), light steam-cracked, debenzenized																				0
68527275	Naphtha, (petroleum), full-range alkylate, butane-contg.																				0
68551100	1-Propene, hydroformylation products																				0
68551111	1-Propene, hydroformylation products, high-boiling																				0
68551166	Alkanes, C9-11-iso-																				0
68551177	Alkanes, C10-13-iso-																				0
68551199	Alkanes, C12-14-iso-																				0
68551202	Alkanes, C13-16-iso-																				0
68553004	Fuel oil, no. 6	X		X			X														3
68553015	C.I. Pigment Green 51																				0
68553140	Hydrocarbons, C8-11	X																			1
68555088	Steroids, hydroxy																				0

CASNO	CHEMICAL	A C U T E	C H R O N I C	T E R A R E	M U T A G E N	E C T O X	F A T E	S I D E	T O X I C A L	T R I H I G H	T R I P L E	O S H A L	P E L C P
68555248	Tar acids, cresylic, residues	X								1			
68555986	Phenol, 4-(1,1-dimethylpropyl)-, polymer with sulfur chloride (S2Cl2)									0			
68583528	Decanoic acid, mixed diesters with octanoic acid and triethylene glycol									0			
68583755	2,5-Furandione, dihydro-, polybutenyl derivs., reaction products with tetraethy									0			
68584225	Benzenesulfonic acid, C10-16-alkyl derivs.									0			
68584258	Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine									0			
68585342	Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers,		X			X				2			
68585477	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	X				X				2			
68602799	Distillates, (petroleum), benzene unit hydrotreater dipentanizer overheads									0			
68602813	Distillates, hydrocarbon resin prodn. higher boiling									0			
68602824	Gases, (petroleum), benzene unit hydrotreater depentenizer overheads									0			
68602835	Gases, (petroleum), C1-5, wet									0			
68602846	Gases, (petroleum), secondary absorber off, fluidized catalytic cracker overhea									0			
68602857	Hydrocarbon waxes, (petroleum), oxidized, Me esters									0			
68603009	Distillates, (petroleum), thermal cracked naphtha and gas oil									0			
68603010	Distillates, (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.									0			
68603021	Distillates, (petroleum), thermal cracked naphtha and gas oil, dimerized									0			
68603087	Naphtha, (petroleum), arom.-contg.									0			
68603101	Hydrocarbon waxes, (petroleum), oxidized, Me esters, barium salts									0			
68603112	Hydrocarbon waxes, (petroleum), oxidized, Me esters, calcium salts									0			
68603123	Hydrocarbon waxes, (petroleum), oxidized, Me esters, sodium salts									0			
68603156	Alcohols, C6-12	X								1			
68603178	Alcohols, C16-18, distn. residues									0			
68603189	Alcohols, C10-16, distn. residues									0			
68603190	Alcohols, C14-18, distn. residues									0			
68603338	Alkenes, C15-20 .alpha.-, polymers with cottonseed oil and sulfur									0			
68603429	Amides, coco, N,N-bis(hydroxyethyl)	X			X					2			
68603849	Carboxylic acids, C5-9									0			
68604397	Fatty acids, C8-18 and C18-unsatd., Me esters, distn. residues									0			
68606097	Fuel gases, expander off									0			
68606100	Gasoline, pyrolysis, debutanizer bottoms						X			1			
68606111	Gasoline, straight-run, topping-plant		X		X					2			

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	T	P	C	
		U	N	R	E	A	C	A	I	O	A	H	I	R	A	H	A		I	E	P	
		T	I	A	R	G	O	T	D	L	G											
		E	C	R	E	N	X	E	S													
68606246	Hydrocarbons, C4, butene concentrator by-product																				0	
68606257	Hydrocarbons, C2-4																					0
68606268	Hydrocarbons, C3																					0
68606279	Gases, (petroleum), alkylation feed																					0
68606280	Hydrocarbons, C5 and C10-aliph. and C6-8-arom.																					0
68606315	Hydrocarbons, C3-5, butadiene purifn. by-product																					0
68606337	Hydrocarbons, C1-6, chloro																					0
68606348	Gases, (petroleum), depropanizer bottoms fractionation off																					0
68606360	Hydrocarbons, C5-unsatd. rich, isoprene purifn. by-product																					0
68607114	Petroleum products, refinery gases																					0
68607283	Quaternary ammonium compounds, (oxydi-2,1-ethanediyl)bisOcoo alkyldimethyl, di	X					X	X														3
68607294	Quaternary ammonium compounds, pentamethyltallow alkyltrimethylenedi-, dichlori	X																				1
68607307	Residues, (petroleum), topping plant, low-sulfur																					0
68608264	Sulfonic acids, petroleum, sodium salts	X																				1
68608593	Ethane, 1,2-dichloro-, manif. of, by-products from, distn. lights																					0
68608775	Benzenamine, 2-ethyl-N-(2-ethylphenyl)-, (tripropenyl) derivs.																					0
68608800	Benzene, C6-12-alkyl derivs.	X																				1
68608822	Benzene, ethylenated, by-products from																					0
68608888	Benzenesulfonic acid, mono-C11-13-branched alkyl derivs.																					0
68609041	Cyclohexane, oxidized, non-acidic by-products, distn. residues																					0
68609052	Cyclohexane, oxidized, non-acidic by-products, distn. lights																					0
68609643	1,6-Hexanediol, distn. intermediates																					0
68609687	1-Hexanol, 2-ethyl-, manif. of, by-products from, distn. residues							X														1
68609927	9-Octadecenoic acid (Z)-, epoxidized, ester with propylene glycol	X																				1
68609972	Oxirane, monoO(C12-14-alkyloxy)methyl p derivs.	X			X	X	X	X														5
68610071	Formaldehyde, polymers with isobutylenated phenol																					0
68610220	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-18-alkyl ethers,																					0
68610515	Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene																					0
68610902	2-Butenedioic acid (E)-, di-C8-18-alkyl esters																					0
68611449	Silane, dichlorodimethyl-, reaction products with silica	X																				1
68611552	Sulfuric acid, mono-C10-16-alkyl esters																					0
68611643	Urea, reaction products with formaldehyde																					0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		U	N	R	E	A	O	A	I	O	I	I	R	E	P
		T	I	A		G	T	T	D	A	G			L	C
		E	C	R		E	X	E	S	L	H				
68647198	Phosphoric acid, isooctyl ester, potassium salt														0
68647609	Hydrocarbons, C>4														0
68647723	Terpenes and Terpenoids, sweet orange-oil														0
68648248	Fatty acids, vegetable-oil, unsatd.														0
68648282	Linseed oil, ester with pentaerythritol														0
68648873	Benzene, C10-16-alkyl derivs.	X		X			X		C						3
68648931	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters														0
68649127	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated														0
68649423	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	X													1
68649434	Phosphorodithioic acid, O,O-dioctyl ester, branched						X								1
68649832	Resin acids and Rosin acids, fumarated, potassium salts														0
68650362	Aromatic hydrocarbons, C8, o-xylene-lean														0
68650511	Fatty acids, C18-unsatd., dimers, polymers with diethylenetriamine and ethylene														0
68782978	Distillates, (petroleum), hydrofined lubricating-oil														0
68783051	Gases, (petroleum), ammonia-hydrogen sulfide, water-satd.														0
68783062	Gases, (petroleum), hydrocracking low-pressure separator														0
68783073	Gases, (petroleum), refinery blend														0
68783084	Gas oils, (petroleum), heavy atmospheric												X		1
68783108	Naphtha, (petroleum), heavy polymn.														0
68783119	Naphtha, (petroleum), light polymn.														0
68783120	Naphtha, (petroleum), unsweetened												X		1
68783131	Residues, (petroleum), coker scrubber, condensed-ring-arom.-contg.														0
68783244	Amines, ditallow alkyl														0
68783415	Fatty acids, C18-unsatd., dimers, hydrogenated														0
68783619	Fuel gases, refinery, sweetened														0
68783620	Fuel gases, refinery, unsweetened														0
68783642	Gases, (petroleum), catalytic cracking														0
68783653	Gases, (petroleum), C2-4, sweetened														0
68783664	Naphtha, (petroleum), light, sweetened														0
68783788	Quaternary ammonium compounds, dimethylditallow alkyl, chlorides	X						X							2
68783824	Rosin, low-boiling fraction														0
68783960	Sulfonic acids, petroleum, calcium salts, overbased														0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		U	R	R	E	U	C	A	I	O	I	I	R	E	
		T	O	A	R	T	O	T	D	A	G	H	I	L	
		E	N	R	E	N	X	E	S	L	H	I	L	P	C
68784178	Isooctadecanoic acid, reaction products with tetraethylenepentamine														0
68784269	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased				X										1
68784305	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters														0
68784316	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zin														0
68784327	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters														0
68784383	1-Propanamine, 3-(C8-10-alkyloxy) derivs.														0
68784394	Propanenitrile, 3-(C8-10-alkyloxy) derivs.														0
68784703	Propanenitrile, 3-amino-, N-tallow alkyl derivs.														0
68814471	Waste gases, refinery vent														0
68814675	Gases, (petroleum), refinery														0
68814879	Distillates, (petroleum), full-range straight-run middle														0
68814904	Gases, (petroleum), platformer products separator off														0
68815509	Octadecanoic acid, reaction products with 2-O(2-aminoethyl)amino pethanol														0
68815678	Phenol, thiobisOtetrapropylene-														0
68855243	Benzene, C14-30-alkyl derivs.	X			X										2
68855345	Formaldehyde, reaction products with calcium hydroxide, dodecylphenol, methylam														0
68855458	Phenol, dodecyl-, sulfurized, calcium salts														0
68855583	Alkenes, C10-16 .alpha.-														0
68855594	Alkenes, C14-18 .alpha.-														0
68855607	Alkenes, C14-20 .alpha.-														0
68876879	1-Hexanol, 2-ethyl-, C5-12 dicarboxylates (2:1)														0
68891383	Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers,														0
68908974	Aluminum, tri-C2-20-alkyl complexes														0
68909182	Pyridinium, 1-(phenylmethyl)-, Et Me derivs., chlorides	X													1
68909773	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. resid														0
68910054	Ethanol, 2-amino-, reaction products with ammonia, by-products from														0
68910690	Fats and Glyceridic oils, menhaden, stearins														0
68910930	Fatty acids, tall-oil, reaction products with polyethylenepolyamines														0
68911057	Hydrocarbons, C12-30, olefin-rich, ethylene polymn. by-product														0
68911580	Gases, (petroleum), hydrotreated sour kerosine depentanizer stabilizer off														0
68911591	Gases, (petroleum), hydrotreated sour kerosine flash drum														0
68911615	Alcohols, C18-32														0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		C	R	R	E	U	C	A	I	O	H	I	R	S	P
		U	O	A	R	T	O	T	D	T	I	G	I	E	C
		T	N	R	E	A	O	E	S	A	H	R	L	L	P
		E	I	E		N	X								
68915059	Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine														0
68915311	Polyphosphoric acids, sodium salts	X					X								2
68915388	Cyclohexane, oxidized, aq. ext.														0
68915399	Cyclohexane, oxidized, aq. ext., sodium salt														0
68915968	Distillates, (petroleum), heavy straight-run														0
68915979	Gas oils, (petroleum), straight-run, high-boiling	X	X	X	X										4
68918161	Tar, coal, dried and oxidized														0
68918365	Soaps, stocks, C8-18 and C18-unsatd. alkyl														0
68918423	Soaps, stocks, soya														0
68918730	Residues, (petroleum), clay-treating filter wash														0
68918989	Fuel gases, refinery, hydrogen sulfide-free														0
68918990	Gases, (petroleum), crude oil fractionation off														0
68919017	Gases, (petroleum), distillate unfiner desulfurization stripper off														0
68919028	Gases, (petroleum), fluidized catalytic cracker fractionation off														0
68919039	Gases, (petroleum), fluidized catalytic cracker scrubbing secondary absorber of														0
68919040	Gases, (petroleum), heavy distillate hydrotreater desulfurization stripper off														0
68919051	Gases, (petroleum), light straight run gasoline fractionation stabilizer off														0
68919062	Gases, (petroleum), naphtha unfiner desulfurization stripper off														0
68919073	Gases, (petroleum), platformer stabilizer off, light ends fractionation														0
68919084	Gases, (petroleum), preflash tower off, crude distn.														0
68919095	Gases, (petroleum), straight-run naphtha catalytic reforming off														0
68919108	Gases, (petroleum), straight-run stabilizer off														0
68919120	Gases, (petroleum), unfiner stripper off														0
68919153	Hydrocarbons, C6-12, benzene-recovery														0
68919164	Hydrocarbons, C3-6, catalytic alkylation by-products														0
68919175	Hydrocarbons, C12-20, catalytic alkylation by-products														0
68919197	Gases, (petroleum), fluidized catalytic cracker splitter residues														0
68919200	Gases, (petroleum), fluidized catalytic cracker splitter overheads														0
68919379	Naphtha, (petroleum), full-range reformed	X													1
68919391	Natural gas condensates														0
68920069	Hydrocarbons, C7-9														0
68920649	Disulfides, di-C1-2-alkyl														0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		U	N	R	E	A	O	A	I	O	I	I	R	E	P
		T	I	A		G	T	T	D	A	G	H	I	L	C
		E	C	R		N	X	E	S	L	H				
68920707	Alkanes, C6-18, chloro														0
68921084	Distillates, (petroleum), light straight-run gasoline fractionation stabilizer														0
68921095	Distillates, (petroleum), naphtha unifiner stripper														0
68921459	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpente						X								1
68921562	Ethene, manufg. residue, polymd.														0
68921675	Hydrocarbons, ethylene-manuf.-by-product distn. residues														0
68937280	1,6-Hexanediol, distn. overheads														0
68937291	1,6-Hexanediol, distn. residues														0
68937417	Phenol, isopropylated, phosphate (3:1)	X				X	X	X							4
68937484	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, C5-9 carboxylates														0
68937644	Alcohols, C2-20, aluminum salts														0
68937699	Carboxylic acids, C6-18 and C5-15-di-														0
68937702	Carboxylic acids, C6-18 and C8-15-di-														0
68937713	Carboxylic acids, C6-18 and C8-15-di-, hydrogenated														0
68937724	Carboxylic acids, di-, C4-11														0
68937757	Fatty acids, C8-10														0
68937848	Fatty acids, C12-18, Me esters														0
68937859	Fatty acids, coco, heavy fractions														0
68937906	Fatty acids, C18-unsatd., trimers														0
68938001	Terpenes and Terpenoids, turpentine-oil residues														0
68938023	Pentene, hydroformylation products, low-boiling														0
68938034	Octene, hydroformylation products, low-boiling														0
68938045	Nonene, hydroformylation products														0
68938078	Fatty acids, C9-13-neo-														0
68938158	Fatty acids, coco, hydrogenated														0
68938794	Benzoic acid, 3,6-dichloro-2-hydroxy-, potassium sodium salt														0
68938807	Benzoic acid, 3,6-dichloro-2-hydroxy-, dipotassium salt														0
68938818	Phenol, 2,5-dichloro-, potassium salt														0
68938965	Benzene, phenoxytetrapropylene-														0
68951393	1,2-Benzenedicarboxylic acid, C4-13-branched alkyl esters														0
68952330	Tar acids, cresylic, C8-rich, phosphates								X						1
68952352	Tar acids, cresylic, Ph phosphates	X					X	X							3

CASNO	CHEMICAL	A	C	H	R	O	N	T	E	R	A	M	U	E	F	S	O	T	R	I	O	S	H	A	T	P	C
68952761	Gases, (petroleum), catalytic cracked naphtha debutanizer																										
68952783	Tail gas, (petroleum), catalytic hydrodesulfurized distillate fractionation sta																										
68952794	Tail gas, (petroleum), catalytic hydrodesulfurized naphtha separator																										
68952807	Tail gas, (petroleum), straight-run naphtha hydrodesulfurizer																										
68952818	Tail gas, (petroleum), thermal-cracked distillate, gas oil and naphtha absorber																										
68952829	Tail gas, (petroleum), thermal cracked hydrocarbon fractionation stabilizer, pe																										
68952943	Soaps, stocks, vegetable-oil																										
68953366	Fatty acids, tall-oil, reaction products with tetraethylenepentamine																										
68953582	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts wi																										
68953708	Oxirane, reaction products with ammonia, distn. residues																										
68953800	Benzene, mixed with toluene, dealkylation product																										
68953844	1,4-Benzenediamine, N,N'-mixed Ph and tolyl derivs.											X	X	X													
68953968	Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts																										
68954074	Boric acid, reaction products with diethanolamine																										
68955191	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts																										
68955271	Distillates, (petroleum), petroleum residues vacuum									X																	
68955282	Gases, (petroleum), light steam-cracked, butadiene conc.																										
68955293	Distillates, (petroleum), light thermal cracked, debutanized arom.																										
68955339	Gases, (petroleum), sponge absorber off, fluidized catalytic cracker and gas oi																										
68955340	Gases, (petroleum), straight-run naphtha catalytic reformer stabilizer overhead																										
68955351	Naphtha, (petroleum), catalytic reformed	X										X															
68955362	Residues, (petroleum), steam-cracked, resinous																										
68955373	Acid chlorides, tallow, hydrogenated																										
68955533	Amines, C12-14-tert-alkyl	X												X													
68955760	Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich																										
68955964	Disulfides, dialkyl and di-Ph, naphtha sweetening																										
68955986	Fatty acids, C16-18 and C18-unsatd., branched and linear																										
68956127	Fatty acids, C18-unsatd., dimers, distn. lights																										
68956478	Fuel oil, isoprene reject absorption																										
68956489	Fuel oil, residual, wastewater skimmings																										
68956525	Hydrocarbons, C4-8																										
68956547	Hydrocarbons, C4-unsatd.																										

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		C	R	R	E	U	C	A	I	O	I	I	R	E	P
		U	O	A	R	T	O	T	S	T	H	G	I	L	C
		T	N	R	E	A	O	E	D	A	H	I	L	P	P
		E	I	R	E	N	X	E	S	L					
68956569	Hydrocarbons, terpene processing by-products														
68956707	Petroleum products, C5-12, reclaimed, wastewater treatment				X										
68974787	Phenol, thiobisO(tetrapropenyl)-, magnesium salt							X							
68987417	Benzene, ethylenated														
68987428	Benzene, ethylenated, residues														
68987484	Benzene, (1-methylethyl)-, distn. residues, bis(1-methylethyl)benzene-rich														
68987519	1,4-Benzenedicarboxylic acid, mixed esters with diethylene glycol, ethylene gly														
68987666	Ethene, hydrated, by-products from														
68987906	Poly(oxy-1,2-ethanediyl), .alpha.-(octylphenyl)-.omega.-hydroxy-, branched														
68988227	1,4-Benzenedicarboxylic acid, dimethyl ester, manuf. of, by-products from														
68988465	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and isoocetyl and pentyl) esters, z														
68988998	Phenols, sodium salts, mixed with sulfur compounds, gasoline alk. scrubber resi														
68989333	Alkenes, C2-3, hydroformylation products														
68989571	Fatty acids, C16-18 and C18-unsatd., diesters with polyethylene glycol														
68989888	Gases, (petroleum), crude distn. and catalytic cracking														
68989979	Fats and Glyceridic oils, vegetable, deodorizer distillates, Me esters														
68989980	Fats and Glyceridic oils, vegetable, residues														
68990205	Aldehydes, C2-4, condensation products with acetone, dehydrated, hydrogenated,														
68990216	Aldehydes, C4, self-condensation products, high-boiling fraction														
68990523	Fatty acids, vegetable-oil, Me esters														
68990534	Glycerides, C14-22 mono-														
68990545	Glycerides, C14-22 mono-, acetates														
68990614	Tar, coal, high-temp., high-solids														
68990658	Fats and Glyceridic oils, vegetable, reclaimed														
68990807	Fats and Glyceridic oils, animal, mixed with animal oil Me esters, sulfurized														
68991526	Alkenes, C10-16														
69011069	Lead, O1,2-benzenedicarboxylato(2-) pdioxotri-														
69012324	Slags, phosphorus-manufg.														
69012620	Flue dust, phosphorus-refining														
69013214	Fuel oil, pyrolysis			X		X									
69029750	Oils, reclaimed														
69045789	Pyridine, 2-chloro-5-(trichloromethyl)-					X									

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	T	R	I	O	S	H	A	T	P	C
		U	N	R	E	A	O	A	I	O	H	H	R	I	H	A	L	P	E	C	P
		T	I	R		G	T	T	D	A	I	A	I	G							
		E	C	E		N	X	E	S	L	H										
69430337	Hydrocarbons, C6-30																				0
69430359	Hydrocarbons, C6-20, polymers, hydrogenated																				0
69834179	Benzene, decylphenoxy-																				0
70024576	9-Octadecenoic acid (Z)-, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol																				0
70024678	Benzenesulfonic acid, C16-24-alkyl derivs.																				0
70024690	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts																				0
70024850	Pyridine, methyl-, chloro derivs.																				0
70024929	Alkanes, C7-8-iso-																				0
70084854	Fatty acids, tallow, distn. residues																				0
70084989	Terpenes and Terpenoids, C10-30, distn. residues																				0
70131509	Bentonite, acid-leached																				0
70191752	Benzenesulfonic acid, decyl(sulfophenoxy)-																				0
70248236	Amides, from C18-unsatd. fatty acid dimers and polyhexamethylenepolyamines																				0
70248270	Fatty acids, animal, distn. residues																				0
70321721	Fatty acids, C8-18 and C18-unsatd., distn. residues																				0
70321732	Fatty acids, C14-18 and C16-18-unsatd., distn. residues																				0
70321798	Creosote oil, high-boiling distillate						X														1
70321801	Creosote oil, low-boiling distillate																				0
70321867	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)-																				0
70356320	Benzene, C14-26-alkyl derivs.																				0
70528733	Residues, (petroleum), heavy distillate solvent ext. vacuum																				0
70592766	Distillates, (petroleum), intermediate vacuum																				0
70592777	Distillates, (petroleum), light vacuum																				0
70592788	Distillates, (petroleum), vacuum																				0
70592799	Residues, (petroleum), atm. tower, light																				0
70592802	Amines, C10-16-alkyldimethyl, N-oxides	X																			1
70693060	Aromatic hydrocarbons, C9-11	X		X		X															3
70693504	Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-O(2-nitrophenyl)azo p-																				0
70729689	Heptanoic acid, oxybis(2,1-ethanedioxy-2,1-ethanedioyl) ester	X																			1
70851080	Amides, coco, N-O3-(dimethylamino)propyl p, alkylation products with sodium 3-ch																				0
70913858	Residues, (petroleum), solvent-extd. vacuum distilled atm. residuum																				0
70914204	Alcohols, C6-8-branched																				0

CASNO	CHEMICAL	A C T I V E	C H R O N I C	T E R A R E	M U T A G E N X	E C T O X I C	F A T T E R S	S I T E S	T O X I C I T Y	T R I T H I L I T Y	O S H A L E P L E T C
70955032	Hexene, hydroformylation products, low-boiling								0		
70955043	Hexene, hydroformylation products, high-boiling								0		
70955087	Alkanes, C4-6								0		
70955112	Hexene, hydroformylation products								0		
70955178	Aromatic hydrocarbons, C12-20								0		
70983721	Fatty acids, C5-10, esters with dipentaerythritol								0		
71011262	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, salts	X							1		
71011273	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts wi								0		
71060725	Quaternary ammonium compounds, tri-C14-18-alkylmethyl, chlorides								0		
71077059	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower								0		
71077162	Pyridine, C1-3-alkyl derivs.								0		
71243680	Resin acids and Rosin acids, fumarated, decyl esters								0		
71329378	Residues, (petroleum), catalytic cracking depropanizer, C4-rich								0		
71486798	Benzenesulfonic acid, mono-C15-30-branched alkyl and di-C11-13-branched and lin								0		
71549796	Benzenesulfonic acid, mono-C15-30-branched alkyl and di-C11-13-branched and lin								0		
71786475	Benzenesulfonic acid, mono- and dialkyl derivs., magnesium salts								0		
71808305	Tail gas, (petroleum), thermal cracking absorber								0		
71820354	Fatty acids, tall-oil, low-boiling, reaction products with 1-piperazineethanami								0		
71888896	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	X							1		
72030263	Cyclopentene, hexachloro-	X							1		
72162153	1-Decene, sulfurized								0		
72162233	Nitric acid, reaction products with cyclododecanol and cyclododecanone, by-prod								0		
72162288	2-Propanone, reaction products with phenol								0		
72207557	Benzenamine, ethylenated, distn. residues								0		
72230785	Nitriles, tallow, distn. residues								0		
72230796	Nitriles, tallow, hydrogenated, distn. residues								0		
72252483	Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, potassium salt								0		
72275866	Alkenes, C15-18 .alpha.-, reaction products with sulfurized dodecylphenol calci								0		
72379283	Fatty acids, tallow, hydrogenated, distn. residues								0		
72480456	Fatty acids, C9-28-neo-								0		
72480570	Fatty acids, tallow, hydrogenated, stearic acid fraction, distn. residues								0		
72623724	Amides, C14-18, N-[2-(C13-17-alkyl-4,5-dihydro-1H-imidazol-1-yl)ethyl]								0		

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	R	I	O	S	H	A	T	P	C	
		U	N	R	E	A	C	A	I	O	H	T	R	A	H	A		I	E	P	
		T	I	A	R	E	O	T	D	A	G	I	H	L							
		E	C	R	E	N	X	E	S	L	H	I	L								
72623735	Amides, C12-18, N-(hydroxyethyl)																			0	
72623837	Lubricating oils, (petroleum), C>25, hydrotreated bright stock-based																				0
72623859	Lubricating oils, (petroleum), C20-50, hydrotreated neutral oil-based, high-vis																				0
72623860	Lubricating oils, (petroleum), C15-30, hydrotreated neutral oil-based																				0
72623871	Lubricating oils, (petroleum), C20-50, hydrotreated neutral oil-based																				0
72624023	Phenol, heptyl derivs.																				0
72854274	Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium																				0
73070378	Cuprate(4-), [.mu.-[[3,3'-(3,3'-dihydroxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bi	X																			1
73138542	Fatty acids, tall-oil, polymd.																				0
73138677	Lard, hydrogenated																				0
73246954	Benzaldehyde, 4-hydroxy-3-methoxy-, manuf. of, distn. residues																				0
73467773	Poly[oxy(ethyl-1,2-ethanediyl)], .alpha.-(chlorocarbonyl)-.omega.-(tetrapropyle																				0
73665186	Extract residues, (coal), tar oil alk., naphthalene distn. residues																				0
73758620	Phenol, C12-and C18-30-alkyl derivs., sulfurized, calcium salts, overbased																				0
74398713	9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolym					X															1
74499357	Phenol, (tetrapropenyl) derivs.																				0
74664941	Amides, from polyethylenepolyamines and tall-oil fatty acids																				0
75199121	Benzenesulfonic acid, 4-hydroxy-, polymer with formaldehyde and 4,4'-sulfonylbi																				0
75782864	Alcohols, C12-13							X													1
75782875	Alcohols, C14-15																				0
76899359	Eicosenoic acid, methyl ester, (Z)-																				0
77098078	1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, mixed esters with diethylene																				0
78330128	Benzenesulfonic acid, mono- and di-C15-30-alkyl derivs., sodium salts																				0
82451487	1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2	X																			1
82707435	1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol, by-products from, po																				0
83864022	Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-																				0
84501860	Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation produc																				0
84605287	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters																				0
84605298	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zin																				0
84852153	Phenol, 4-nonyl-, branched	X					X	X	U												3
84961706	Benzene, mono-C10-13-alkyl derivs., distn. residues																				0
85117415	Benzene, mono-C10-14-alkyl derivs., fractionation bottoms																				0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	O	P	C
		U	N	R	E	A	C	A	I	O	I	R	I	A	E	P
		T	I	A		G	O	T	D	A	G	I		L	L	C
		E	C	R	E	N	X	E	S	L	H	I				
85137071	Butanedioic acid, polyisobutenyl derivs., reaction products with tetraethylenep															0
86508421	Perfluoro compounds, C5-18															0
86564456	Phenol, 4-nonyl-, polymer with sulfur chloride (S2Cl2)															0
87396223	Phosphonic acid, [[(phosphonomethyl)imino]bis[6,1-hexanediylnitrilobis(methylen															0
88230357	Hexanol, acetate, branched and linear					X										1
88497567	Benzene, ethenyl-, homopolymer, brominated	X				X		X								3
88917220	Propanol, (2-methoxymethylethoxy)-, acetate															0
89347091	1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-															0
89740114	Nonanoic acid, 4-sulfophenyl ester, sodium salt															0
90438792	Acetic acid, C6-8-branched alkyl esters															0
90622461	Alkanes, C14-16															0
90640805	Anthracene oil															0
90640861	Distillates, (coal tar), heavy oils															0
93924073	Alkanes, C10-14															0
94094936	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends															0
98510895	Bicyclo[3.1.1]heptanol, 2,6,6-trimethyl-															0
102268155	2,3-Pyridinedicarboxylic acid, 5-ethyl-	X				X										2
102479878	Gases, (petroleum), extractive, C3-5, butene-isobutylene-rich, reaction product															0
105859970	Lignin, alkali, reaction products with disodium sulfite and formaldehyde															0
108083438	Gases, (petroleum), extractive, C4-6, isopentene-rich, reaction products with m															0
108083449	Gases, (petroleum), extractive, C4-6, isopentene-rich, reaction products with m															0
110152584	Lignin, alkali, reaction products with dimethylamine and formaldehyde															0
111381896	1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear														X	1
111381909	1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear														X	1
111381910	1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear														X	1
113706142	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters															0
113706153	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts															0
114959465	Benzoic acid, 2-hydroxy-, mono-C14-18-alkyl derivs., calcium salts (2:1)							X								1
115733089	Benzene, C14-24-branched and linear alkyl derivs.															0
115733090	Benzenesulfonic acid, C14-24-branched and linear alkyl derivs., calcium salts															0
115733103	Benzenesulfonic acid, C14-24-branched and linear alkyl derivs., calcium salts,															0
115829362	Benzenesulfonic acid, C14-24-branched and linear alkyl derivs.															0

CASNO	CHEMICAL	A	C	H	T	M	E	F	S	T	O	H	T	P	C
		C	R	R	E	U	C	A	I	O	H	I	R	S	P
		U	N	A	R	T	O	T	D	T	G	I	E	L	C
		T	I	R	E	A	O	E	S	A	H	I	L		
		E	C	E		N	X			L					
116265680	Phosphorous acid, triphenyl ester, reaction products with dipropylene glycol														0
117875771	Sulfuric acid, mono-C10-16-alkyl esters, compds. with triethanolamine														0
119345027	Benzene, 1,1'-oxybis-, tetrapropylene derivs.														0
119345038	Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated														0
119345049	Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts														0
121250473	Octadecadienoic acid														0
125252495	Bicyclo[3.1.1]heptan-2-ol, 2,6,6-trimethyl-, thermal-rearrangement products, li														0
125715379	Shale oils, hydrocracked														0
125904112	Benzene, ethenyl-, ar-bromo derivs.														0
125997208	Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloro				X		X								2
129813587	Benzene, mono-C10-13-alkyl derivs.								C						0
129813598	Benzene, mono-C12-14-alkyl derivs.								C						0
129813623	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, light ends														0
129813678	Alkanes, C12-14														0
131298447	Benzoic acid, C9-11-branched alkyl esters					X									1