DRAFT
4/30/2008

A. Acetates (6)

Acetates recommended for no action by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
631-61-8	Ammonium acetate	Acetic acid, ammonium salt	**15**	**30**	**140**	**380**	**3.2**	**110000**	n/a	n/a	n/a	N	Inpl, rat, 632 mg/kg	No data	No data	no data	no data	NE	NE	NE	n. flam

Acetates recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
541-09-3	Uranyl acetate		**Cannot be profiled using the PBT Profiler**						CHC	n/a	RT	Y	Itpl, mse, 24 mg/kg	n/f	n/f	n/f	n/f	n/f	0.2(U)mg/m3	0.015(U)mg/m3 RUSSIA	n. flam

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B. Amines (11)

Amines recommended for retention by the Science Advisory Board

Amines

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/download	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			<= 2 days (green), > 2 days (red)	< 1000 (green), 1000 to 5000 orange, > 5000 red	> 10 (green), 0.1 to 10 (orange), < 0.1 (red)	HLE = Human Limited Evidence		RT = information available at ReproEXPERT; n/a = no info available on RT		mg/kg	mg/m3	mg/m3/4hr	mg/kg/day	mg/m3		mg/m3	mg/m3	F
106-49-0	p-Toluidine	Benzenamine, 4-methyl-	15	30	140	0.12	2.4	0.32	*n/a (a)	n/a	n/a	Y	Oral mouse 330 mg/kg; Orl wild bird 42mg/kg	rat, ihl, 640 mg/m3/1H	n/f	n/f	n/f	CA (no TWA given); group 3B	2ppm (skin) TWA	n/f	188F c.c.
107-10-8	n-Propylamine	1-Propanamine	15	30	140	0.5	3.2	NE	n/a	n/a	n/a	N	Oral rat 370mg/kg	Inh, mammal, 2500mg/m3	Inh, mse, 2500mg/m3/2H	n/f	n/f	n/f	STEL 5mg/m3 RUSSIA	5ppm(12 mg/m3) skin FINLAND	-35F c.c.
109-73-9	Butylamine	1-Butanamine	8.7	17	78	0.46	3.2	NE	n/a	n/a	n/a	Y	IV Mse 198 mg/kg	inh, mse, 800mg/m3/2H	inh, mse, 800mg/m3/4H	n/f	n/f	REL: 5 ppm (Ceiling) skin	TLV: 5 ppm (Ceiling)	10mg/m3 (skin) RUSSIA	30F o.c.; 10F c.c.
142-84-7	Dipropylamine		15	30	140	0.18	3.8	NE	n/a	n/a	RT? (b)	N	*Orl, rat, 300 mg/kg (c)	Inh, mammal, 4400 mg/m3	Inh, rat, 4400 mg/m3/4H	n/f	n/f	n/f	n/f	2mg/m3 (skin) RUSSIA	45F o.c.
2763-96-4	5-(Aminomethyl)-3-isoxazolol	Muscimol	15	30	140	0.2	3.2	NE	*n/a (d)	n/a	n/a	N	*Orl, mse, 22 mg/kg (e)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
530-50-7	Diphenylhydrazine		15	30	140	0.67	29	0.039	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	190F
591-08-2	1-Acetyl-2-thiourea		15	30	140	0.42	3.2	1100	n/a	n/a	n/a	N	Orl, rat, 50 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
75-64-9	tert-Butylamine	2-Propanamine, 2-methyl-	15	30	140	1.4	3.2	NE	n/a	Suspected per Scorecard	n/a	*N (f)	Orl, rat 44 mg/kg	n/f	3800	n/f	n/f	n/f	2ppm (6mg/m3) SWEDEN	5ppm (15mg/m3) SWEDEN	16F c.c.
78-81-9	iso-Butylamine	1-Propanamine, 2-methyl-	15	30	140	0.46	3.2	NE	n/a	n/a	n/a	N	Orl, rat 224 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	25ppm (75mg/m3) SWITZ	15F c.c.
91-66-7	N,N-Diethylaniline	Benzenamine, N,N-diethyl-	38	75	340	0.096	71	1.4	n/a	n/a	n/a	*Y (g)	intl, rat 420 mg/kg	n/f	1920	n/f	n/f	n/f	n/f	n/f	174.2F c.c.
91-80-5	Methapyrilene		60	120	540	0.11	32	1.2	*n/a (h)	Suspected per Scorecard	*n/a; RT (i)	Y	IV, mse 20 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f

Additional data not considered by SAB: (a) Confirmed Animal Carcinogen – RTECS/CCRIS; Expub.com; (b) "This agent has pharmacologic activity as a dopamine agonist." from ReproEXPERT, Expub.com; © LD50, unreported, rat, 280 mg/kg

(d) CCRIS data available; expub.com; (e) Additional LD50 data; Oral, rat, 45 mg/kg; IV, rat, 4.5 mg/kg; Inptl, mse, 2.5 mg/kg; (f) CCRIS data negative; expub.com; (g) (+) data found RTECS; CCRIS data neg.; expub; (h) RTECS/CCRIS; Expub.com;

(i) In some cases according to ReproEXPERT data from expub.com - some neonates experience irritability, drowsiness or decreased sleep when the mother was using the antihistamine; (j) (+) data found RTECS; expub; (k) http://www.chemspider.com/RecordView.as

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C. Ammonium Compounds (19)

Ammonium compounds recommended for retention by the Science Advisory Board																						
Scientific Data																						
CAS#	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http:// monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neur	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http: //www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
1111-78-0	Ammonium carbamate	Carbamic acid, monoammonium salt	**15**	**30**	**140**	**5.8**	**3.2**	**640000**	n/a	n/a	n/a	N	rat, IV, 39mg/kg	n/f	n/f	n/f	n/f	n/f	25ppm as NH3	25 mg/m3 RUSSIA	n. flam
12135-76-1	Ammonium sulfide								n/a	n/a	n/a	N	oral, mse, 2mg/kg	No data	No data	n/f	n/f	n/f	TLV: **Hydrogen sulfide gas** 10 ppm **Ammonia** 25 ppm	TLV: **Hydrogen sulfide gas** ST 15 ppm **Ammonia** ST 35 ppm	162F c.c.
131-74-8	Ammonium picrate		**60**	**120**	**540**	**14000**	**3.2**	**0.89**	n/a	n/a	n/a	N	*n/a (a)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
1863-63-4	Ammonium benzoate		**15**	**30**	**140**	**9.2**	**3.2**	**10000**	n/a	Suspected, per Scorecard	n/a	N	Orl, mse, 235 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	Not pertinent (combustible solid)
506-87-6	Ammonium carbonate		**15**	**30**	**140**	**180**	**3.2**	**10000**	n/a	n/a	n/a	*N (b)	IV, mse, 96 mg/kg	n/f	n/f	n/f	n/f	n/f	TLV: 25 ppm	TLV: ST 35 ppm	n. flam

Additional data not considered by SAB: (a) Data available in OHMTADS; 200mg/mg, FROG, LD50

(b) Data available in CCRIS - no positive results were found

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Ammonium compounds recommended for no action by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
10192-30-0	Ammonium bisulfite		**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n. flam.
10196-04-0	Ammonium sulfite								n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n. flam
1185-57-5	Ferric ammonium citrate								n/a	n/a	n/a	N	No LD50 data; LD data	No LC50 data	No LC50 data	n/f	n/f	n/f	TLV: 1 mg/m3 soluble iron salt as Fe	n/f	n. flam
13826-83-0	Ammonium fluoborate								n/c	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	Air - 10H TWA 2.5 mg(F)/m3	8H TWA 2.5 mg(F)/m3	n/f	n. flam
14258-49-2	Ammonium oxalate		**8.7**	**17**	**78**	**31**	**3.2**	**1800000**	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
14307-43-8	Ammonium tartrate		**8.7**	**17**	**78**	**1.7**	**3.2**	**40000000**	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
2944-67-4	Ferric ammonium oxalate								n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	1mg/m3 as Fe (40H work/wk)	2mg/m3 15 min	n. flam
3012-65-5	Ammonium citrate, dibasic	Diammonium citrate	**15**	**30**	**140**	**5.4**	**3.2**	**3500000**	n/a	n/a	n/a	N	No data	No data	No data	n/f	n/f	n/f	NE	n/f	Not pertinent (combustible solid)
3164-29-2	Ammonium tartrate		**15**	**30**	**140**	**3**	**3.2**	**260000**	n/a	n/a	n/a	N	IV, rabbit, 113 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	10mg/m3 RUSSIA	Not pertinent (combustible solid)
55488-87-4	Ferric ammonium								n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
5972-73-6	Ammonium oxalate		**15**	**30**	**140**	**180**	**3.2**	**65000**	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
6009-70-7	Ammonium oxalate		**15**	**30**	**140**	**180**	**3.2**	**65000**	n/a	n/a	n/a	N	No data	No data	No data	n/f	n/f	NE	NE	NE	n/f
10045-89-3	Ferrous ammonium sulfate								n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	1mg/m3 10H	1mg/m3 as Fe	2mg/m3 15 min	n. flam

DRAFT
4/30/2008

D. Arochlors (6)

Arochlors recommended for retention by the Science Advisory Board																					
Scientific Data																					
CAS#	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/ day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
11096-82-5	Aroclor 1260		**180**	**360**	**1600**	**79**	**4900**	**NE**	n/a (a)	Suspected, per Scorecard	n/a	Y	Oral, rat 1315mg/kg	n/f	n/f	n/f	n/f	10H CA - TWA 0.001 mg/m3			flam
11104-28-2	Aroclor 1221		**38**	**75**	**340**	**5.8**	**610**	**0.15**	HLE	n/a	Y	N	Intpl, mammal, >500 mg/kg	n/f	n/f	n/f	n/f				285.8-302F Cleveland O.C.
11141-16-5	Aroclor 1232		**38**	**75**	**340**	**5.8**	**610**	**0.15**	HLE	n/a	n/a	Y? (b)	orl, rat, 4470mg/kg	n/f	n/f	n/f	n/f				348-356F
12672-29-6	Aroclor 1248		**180**	**360**	**1600**	**12**	**63000**	**0.005**	HLE	n/a	RTECS	N	Orl, rat 11gm/kg	n/f	n/f	Not Verifiable Status	NA				flam
12674-11-2	Aroclor 1016		**60**	**120**	**540**	**15**	**18000**	**0.015**	n/a	n/a	RTECS	Y	Orl, rat 2300 mg/kg	n/f	n/f	7.00E-05	NA				286F (flam)
53469-21-9	Aroclor 1242		**180**	**360**	**1600**	**16**	**58000**	**0.005**	NIOSH list (c)	n/a	RTECS	Y	Oral rat 4,250 mg/kg (d)	n/f	n/f	n/f	n/f	REL: 0.001 mg/m3 CA	PEL: 1 mg/m3 skin		NA (286F)

(a) Positive carcinogenicity studies found in CCRIS, expub; (b) Listed as tumorigen; RTECS; '(c)Listed on NIOSH Carcinogen List; (d) Intpl, mammal (species unspecified), > 1gm/kg; Oral, mammal (species unspecified), > 3gm/kg.

E. Benzene related compounds (16)

DRAFT
4/30/2008

Benzene related compounds recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/ day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			<= 2 days (green), > 2 days (red)	< 1000 (green), 1000 to 5000 orange, > 5000 red	> 10 (green), 0.1 to 10 (orange), < 0.1 (red)	HLE = Human Limited Evidence		RT = information available at ReproEXPERT; n/a = no info available on RT		mg/kg	mg/m3	mg/m3/4hr	mg/kg/day	mg/m3		mg/m3	mg/m3	F
101-55-3	4-Bromophenyl phenyl ether	Benzene, 1-bromo-4-phenoxy-	38	75	340	3.1	1,300	0.066	n/a	n/a	n/a	N				no data	no data	n/f	n/f	n/f	235.4F c.c.
122-09-8	Benzeneethanamine, alpha,alpha-dimethyl-	Phentermine	38	75	340	0.58	5.8	NE	n/a	Suspected per Scorecard	RT	Y? (j)	IV Mse 14 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	*199.6F (k)
1321-12-6	Nitrotoluene		38	75	340	23	12	6.4	n/a	n/a	Toluene: Yes, per Prop 65	N	n/f	n/f	n/f	n/f	n/f	n/f	3mg/m3 RUSSIA	6mg/m3 (skin) RUSSIA	n/f
25154-54-5	Dinitrobenzene (mixed isomers)		38	75	340	750	4	0.037	n/a	Suspected, per Scorecard	n/a	N	n/f	n/f	n/f	1.00E-04	n/f	n/f	0.15ppm(skin)	3mg/m3 (skin) FINLAND	302F c.c.
26264-06-2	Calcium dodecylbenzenesulfonate								n/a	n/a	n/a	N	Orl, mse, 3680 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	<100F c.c.
27323-41-7	Triethanolamine dodecylbenzene sulfonate								n/a	n/a	n/a	N	Orl, rat, >10800 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	not pertinent
42504-46-1	Isopropanolamine dodecylbenzene sulfonate		38	75	340	0.46	71	NE	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
496-72-0	Diaminotoluene	1,2-Benzenediamine, 4-methyl-	38	75	340	0.079	3.2	NE	*n/a (l)	n/a	n/a	Y	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
51-43-4	Epinephrine	1,2-Benzenediol, 4- 1-hydroxy-2-(methylamino)ethyl -, (R)-	15	30	140	0.12	3.2	3.5	n/a	Suspected, per Scorecard	RT	Y	*IV, rat, 150 ug/kg (m)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
57-64-7	Benzoic Acid	Physostigminesalicylate	60	120	540	0.062	3.2	0.33	n/a	n/a	n/a	N	*IV, mse, 310 ug/kg (n)	n/f	n/f	4.00E+00	n/f	n/f	n/f	n/f	n/f
610-39-9	3,4-Dinitrotoluene	Benzene, 4-methyl-1,2-dinitro-	38	75	340	83	8	0.024	*n/a (o)	n/a	n/a	Y	Orl, mse 747 mg/kg	n/f	n/f	n/f	n/f	10ft CA: TWA 1.5mg/m3 (Sk)	n/f	n/f	404F c.c.
823-40-5	Diaminotoluene	1,3-Benzenediamine, 2-methyl-	38	75	340	0.079	3.2	NE	*n/a (p)	n/a	n/a	Y	n/f	n/f	n/f	no data	Not Verifiable Status	n/f	n/f	n/f	n/a
95-94-3	1,2,4,5-Tetrachlorobenzene		60	120	540	200	750	0.12	n/a	Suspected, per Scorecard	Benzene: Yes, per Prop 65, male	N	Orl, mse 1035 mg/kg	n/f	n/f	3.00E-04	no data	n/f	n/f	n/f	311F c.c.
98-09-9	Benzenesulfonyl chloride		15	30	140	38	37	NE	n/a	n/a	Benzene: Yes, per Prop 65, male	N	Intl, rat 76 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	1mg/mg RUSSIA	>233.6F c.c.; 262.4F
99-35-4	1,3,5-Trinitrobenzene		60	120	540	12000	1.6	0.056	*n/a (q)	Suspected, per Scorecard	Benzene: Yes, per Prop 65, male	Y	*IV, mse 32 mg/kg (r)	n/f	n/f	3.00E-02	no data	n/f	n/f	n/f	n/f
100-47-0	Benzonitrile		15	30	140	50	3.2	25	*n/a (s)	Suspected, per Scorecard	n/a	Y	Intl, mse 400 mg/kg	Inh, mse 1800	n/f	n/f	n/f	n/f	5mg/m3 as cyanide	1 mg/m3 RUSSIA	162F c.c.

(i) In some cases according to ReproEXPERT data from expub.com - some neonates experience irritability, drowsiness or decreased sleep when the mother was using the antihistamine; (j) (+) data found RTECS; expub; (k) http://www.chemspider.com/RecordView.as

(l) (+) mutagenicity data in RTECS/CCRIS, expub.com; (m) Itpl, mse, 4 mg/kg; IV, dog, 100 ug/kg, IV, mse, 217 ug/kg; IV, rabbit, 50ug/kg; Subc, mse, 1470 ug/kg; (n) Intramuscular, rat, 1280ug/kg; Intpl, mse, 640 ug/kg; Orl, mse, 2500 ug/kg; Subc, mse, 800

(o) RTECS/CCRIS; Expub.com; (p) RTECS/CCRIS, expub.com; (q) RTECS/CCRIS/CPDB, expub.com; (r)Orl, mse, 572 mg/kg; Orl, rat, 275 mg/kg; (s) RTECS/CCRIS, expub.com

F. Pesticides (88)

DRAFT
4/30/2008

Pesticides (banned) recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			<= 2 days (green), > 2 days (red)	< 1000 (green), 1000 to 5000 orange, > 5000 red	> 10 (green), 0.1 to 10 (orange), < 0.1 (red)	HLE = Human Limited Evidence		RT = information available at ReproEXPERT; n/a = no info available on RT	All Y not on EU list	mg/kg	mg/m3	mg/m3/4hr	mg/kg/day	mg/m3		mg/m3	mg/m3	F
1031-07-8	Endosulfan sulfate		180	360	1600	2	130	1.1	n/a	n/a	n/a	N	orl, rat, 18mg/kg	n/f	n/f	n/f	n/f	0.1 mg/m3	n/f	n/f	n/a
115-29-7	Endosulfan		180	360	1600	2	180	NE	n/a	Suspected, per Scorecard	RT	Y	Oral mse 7.36 mg/kg	Inhalation rat 0.16 gm/m^3	Inhalation rat 80 mg/m^3/4 hour	6.00E-03	NA	REL: 0.1 mg/m3 skin	0.1 mg/m3 (skin)	0.1 mg/m3 (skin); RUSSIA	NA (flam)
33213-65-9	beta - Endosulfan		180	360	1600	2	180	NE	n/a	n/a	n/a	Y	Orl, rat 240 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
7421-93-4	Endrin aldehyde		180	360	1600	0.46	1000	0.032	n/a	n/a	Endrin: Yes, per Prop 65	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
959-98-8	alpha - Endosulfan		180	360	1600	2	180	NE	n/a	n/a	n/a	Y(a)	Orl, rat 76 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
10605-21-7	Carbamic acid, 1H-benzimidazol-2-yl,methyl ester	Carbendazim, Bavastin	38	75	340	0.079	3	26	n/a	Suspected, per Scorecard	n/a	Y	intpl, mse, 1225mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	0.1 RUSSIA	n. flam
1928-38-7	2,4-D Esters	Acetic acid, (2,4-dichlorophe	38	75	340	4.2	34	2.5	n/a	n/a	RTECS	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
1928-47-8	2,4,5-T esters	2,4,5-T, 2-Ethylhexyl ester	60	120	540	1.2	42000	0.0018	n/a	n/a	n/a	N	Orl, rat 500 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	combustible when dissolved in kerosene or diesel oil
1928-61-6	2,4-D Esters	2,4-D, propyl ester	38	75	340	2.4	200	0.42	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	10 mg/m3 (ACID)	n/f	>176F o.c.
25168-15-4	2,4,5-T esters	2,4,5-T isooctyl ester	60	120	540	1.5	20000	0.00072	n/a	n/a	RTECS	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	combustible when dissolved in kerosene or
25168-26-7	2,4-D Esters	2,4-D isooctyl	60	120	540	1.4	30000	0.002	AIE	n/a	RTECS	Y	Orl, rat 982 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	flam
2545-59-7	2,4,5-T esters	2,4,5-T 2-butoxyethyl ester	60	120	540	0.67	900	0.11	n/a	n/a	n/a	Y	Orl, rat, 500 mg/kg	n/f	n/f	n/f	n/f	n/f	10mg/m3 (ACID)	n/f	265-420F o.c.
2921-88-2	Chlorpyrifos	Dursban	180	360	1600	0.18	1300	NE	n/c	Suspected, per Scorecard	RT	Y	Oral mse 60 mg/kg	n/f	Inhalation rat >200 mg/m^3/4 hour	3.00E-03	NA	REL: 0.2 mg/m^3 0.6 mg/m^3 ST skin	0.1 (Inh, vapor, skin)	0.6 POLAND	n/a
32534-95-5	2,4,5-TP esters	Isooctyl ester of Silvex	60	120	540	1	570	0.00075	n/a	n/a	n/a	N	Orl, rat 400 mg/kg	n/f	n/f	n/f	n/f				405F
53467-11-1	2,4-D Esters								n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f				>176F O.C.
563-12-2	Ethion		38	75	340	0.028	1600	NE	n/c	Suspected per Scorecard	n/a	Y	Oral rat 13 mg/kg	Inhalation rat 864 mg/m^3	n/f	5.00E-04	NA	REL: 0.4 mg/m3 skin			349°F
93-79-8	2,4,5-T esters	Butyl 2,4,5-T	38	75	340	2.1	1000	0.057	n/a (b)	n/a	RTECS	Y	n/f	n/f	n/f	n/f	n/f				177F (for brush killer 50-50 tag
94-79-1	2,4-D Esters		38	75	340	1.8	410	0.2	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	10mg/m3 (ACID)	n/f	>176F o.c.
2008-46-0	2,4,5-T amines		38	75	340	2.6	3.2	20	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f

(a) Positive RTECS data available; (b) not found IARC site; IARC/RTECS, expub.com; results in sufficient to evaluate carcinogenicity to man; (c) CCRIS positive carcinogenicity studies in mice; (d) listed as mutagen in RTECS; (e) Not classifiable as a human carcinogen

DRAFT
4/30/2008

Pesticides (banned) recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			<= 2 days (green), > 2 days (red)	< 1000 (green), 1000 to 5000 orange, > 5000 red	> 10 (green), 0.1 to 10 (orange), < 0.1 (red)	HLE = Human Limited Evidence		RT = information available at ReproEXPERT; n/a = no info available on RT		mg/kg	mg/m3	mg/m3/4hr	mg/kg/day	mg/m3		mg/m3	mg/m3	F
6369-97-7	2,4,5-T amines		60	120	540	2.9	3.2	81	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f				n/f
25550-58-7	Dinitrophenol		38	75	340	24	2.3	0.34	n/a	n/a	n/a	N	subc, mse, 22.1 mg/kg	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	0.05, Skin, RUSSIA	flam
534-52-1	4,6-Dinitro-o-cresol and salts	Phenol, 2-methyl-4,6-dinitro-	38	75	340	54	8.6	0.18	n/a	Suspected, per Scorecard	RTECS	Y	Oral rat 7 mg/kg	n/f	n/f	n/f	n/f	REL: 0.2 mg/m3 skin	PEL: 0.2 mg/m3 skin		NA (flam)
1194-65-6	Dichlobenil	2,6-Dichlorobenzonitrile	38	75	340	96	26	3.1	n/a (c)	n/a	n/a	Y(d)	Intpl, mse 360 mg/kg	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	n/f	n. flam
55285-14-8	Carbamic acid, [(dibutylamino)thio]methyl-,2,3-dihydro-2,2 dimethyl-7-benzofuranyl ester(carbosulfan)		38	75	340	0.3	3900	0.028	n/a	n/a	n/a	Y	Orl, mse 33 mg/kg	Inhalation, rat 610 mg/m3	Inhalation, rat 1530 mg/m3/1H	1.00E-02	NA	n/f	n/f	n/f	n/f
107-49-3	Tepp	Tetraethyl pyrophosphate	15	30	140	0.21	3.2	NE	n/a	Suspected, per Scorecard	n/a	N	Oral rat .5 mg/kg	n/f	n/f	n/f	n/f	REL: 0.05 mg/m^3 skin	PEL: 0.05 mg/m3 skin	n/f	n. flam
297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate	Thionazin	15	30	140	0.18	5.4	NE	n/a	n/a	n/a	N	Orl, rat 3.5 mg/kg	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	n/f	n/f
298-02-2	Phorate	THIMET	15	30	140	0.062	110	NE	n/c (e)	Suspected, per Scorecard	RTECS	Y	Oral rat 1 mg/kg	n/f	Inhalation, rat, 11mg/m3/1H	n/f	n/f	REL: 0.05 mg/m^3 0.2 mg/m^3 ST skin	0.05mg/m3 (inh, vapor, skin)	0.2, Skin, Australia	320F
298-04-4	Disulfoton		38	75	340	0.12	250	NE	n/a (f)	Suspected, per Scorecard	n/a	Y	Intpl, rat 2 mg/kg	Inhalation rat 200 mg/m^3	Inhalation, rat 90 mg/m3/1H	4.00E-05	NA	REL: 0.1 mg/m^3 skin	0.05mg/m3 (inh, vapor, skin)	n/f	>180°F
311-45-5	Diethyl-p-nitrophenyl phosphate	Paraoxon	38	75	340	0.41	1.1	NE	n/a (g)	Suspected per Scorecard	n/a	Y	orl, mse .76 mg/kg (h)	n/f	n/f	NA	NA	n/f (Skin)	n/f	n/f	slight flam
3689-24-5	Sulfotep	Tetraethyldithiopyrophosphate	15	30	140	0.088	240	NE	n/c (i)	Suspected, per Scorecard	n/a	Y	Oral rat 5 mg/kg (j)	n/f	Inhalation rat 38 mg/m^3/4 hour	5.00E-04	NA	REL: 0.2 mg/m3 skin	PEL: 0.2 mg/m3 skin		n. flam
56-72-4	Coumaphos		38	75	340	0.12	300	0.017	n/c	Suspected, per Scorecard	RTECS	Y	Intpl, rat 7.5 mg/kg	Inhalation, rat 303 mg/m3	n/f	n/f	n/f		0.05 mg/m3 (inh, vapor, skin)		Not pertinent (combustible solid)
86-50-0	Azinphos-methyl	Guthion	38	75	340	0.1	26	NE	n/c (k)	Suspected, per Scorecard	n/a; RT; RTECS (l)	Y	Oral rat 4 mg/kg	n/f	Inhalation rat 69 mg/m^3/1 hour	n/f	n/f	REL: 0.2 mg/m3 skin	PEL: 0.2 mg/m3 skin		n. flam
152-16-9	Diphosphoramide, octamethyl-	Schradan	38	75	340	0.13	3.2	11000	n/a	n/a	n/a	N	Orl, rat, 5 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	0.02, Skin, RUSSIA	n. flam
1646-88-4	Propanal, 2-methyl-2-(methylsulfonyl)-,[(methylamino)carbonyl] oxime	Aldicarb sulfone	38	75	340	2.1	3.2	4500	n/a	n/a	n/a	N	IV, rat 14.9 mg/kg (m)	n/f	inhalation, rat 140	1.00E-03	NA	n/f	n/f	n/f	n/f
16752-77-5	Ethanimidothioic acid, N-[[methylamino)carbonyl]	Methomyl	15	30	140	2.4	3.2	250	n/c	Suspected, per Scorecard	n/a	Y	Oral rat 12 mg/kg; human data	Inhalation rat 450 mg/m^3	Inhalation rat 0.3g/m3/4H	2.50E-02	NA	10H - 2.5	2.5	n/f	NA (flam)
16919-19-0	Ammonium silicofluoride								n/a	n/a	n/a	N	Orl, mse 70 mg/kg	n/f	n/f	n/f	n/f	2.5mg/m3 10H; 5mg/m3 15	8H TWA 2.5mg (F)/m3	0.2 RUSSIA	n. flam
2764-72-9	Diquat		15	30	140	4.6	13	8.6	n/a	n/a	n/a; RT	Y	Orl, mse 125 mg/kg (n)	n/f	n/f	n/f	n/f	n/f	0.5, INH; 0.1, RESP/Skin	n/f	n/f
319-86-8	delta-BHC	delta-Hexachlorocyclohexane	180	360	1600	83	310	0.3	n/a (o)	n/a	n/a	N	Orl, rat 1 gm/kg	n/f	n/f	NA	NA	n/f	n/f	n/f	flam
640-19-7	Fluoroacetamide	Acetamide, 2-fluoro-	15	30	140	7.9	3.2	0.97	n/a	n/a	RTECS	Y	Orl, rat 5.75 mg/kg	Inhalation, mse 550 mg/m3	n/f	n/f	n/f	n/f	n/f	n/f	n/a (flam)
75-99-0	2,2-Dichloropropionic acid	Dalapon	38	75	340	29	3.2	260	n/a (p)	n/a	n/a (q)	Y	Skin rat >5 gm/kg	n/f	n/f	3.00E-02	NA	REL: 6 mg/m^3			NA
8003-19-8	Dichloropropane - Dichloropropene (mixture)		38	75	340	36	6.7	6.5	n/a	Suspected per Scorecard	n/a	Y (r)	Orl, mse 3 mg/kg	n/f	Inhalation, rat 1000 ppm/4H	n/f	n/f	n/f	n/f	n/f	67F c.c.
85-00-7	Diquat	Diquat dibromide	38	75	340	0.71	3.2	510000	n/c	Suspected per Scorecard	RTECS	Y	Oral mse 68 mg/kg (s)	n/f	n/f	2.20E-03	NA	REL: 0.5 mg/m^3			Not pertinent

(a) Positive RTECS data available; (b) not found IARC site; IARC/RTECS, expub.com; results in sufficient to evaluate carcinogenicity to man; (c) CCRIS positive carcinogenicity studies in mice; (d) listed as mutagen in RTECS; (e) Not classifiable as a human carcinogen

(f) Not classifiable as a human carcinogen; (g) RTECS/CCRIS, no carcinogenicity data available; (h) listed as mutagen in RTECS; (i) Not classifiable as a human carcinogen; (j) listed as mutagen in RTECS; (k) Not classifiable as a human carcinogen

(l) Listed as reproductive effector, RTECS; (m) Intpl, rat, 21 mg/kg; (n) Oral, domestic, 30 mg/kg; (o) IARC report in RTECS; (p) Not classifiable as a human carcinogen; (q) REPROEXPERT data available, not conclusive; listed as mutagen in RTECS

(r) Mutagenicity; (+) data found RTECS; Mut. in microorganism, expub; (s) subcutaneous, rat, 11 mg/kg; oral, rat, 120 mg/kg

DRAFT
4/30/2008

Pesticides recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/ day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
Unclassified																					
145-73-3	Endothall	7-Oxabicyclo 2.2.1 heptane-2,3-dicarboxylic acid	8.7	17	78	0.79	3.2	220	n/a	n/a	RTECS	N	Intpl, mse, 14 mg/kg (a)	n/f	n/f	2.00E-02	NA	n/f (Skin)	n/f	n/f	n. flam
504-24-5	4-Aminopyridine	4-Pyridinamine	38	75	340	0.79	3.2	3.4	n/a	Suspected, per Scorecard	n/a	N	IV, mse 7 mg/kg (b)	n/f	n/f	NA	NA	n/f (Skin)	n/f	n/f	328F O.C.
1888-71-7	Hexachloropropene	1-Propene, 1,1,2,3,3,3-hexachloro-	180	360	1600	20	470	NE	n/a	Suspected per Scorecard	n/a	Y	Intpl, rat 400ul/kg	n/f	425 ppm/30 min	n/f	n/f	n/f (Skin)	n/f	n/f	n/f
26419-73-8	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-,O-[(methylamino)carbonyl]oxime	Tirpate	38	75	340	0.58	26	4.9	n/a	n/a	n/a	N	Orl, rat 1 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
55-91-4	Diisopropylfluorophosphate	Phosphorofluoridic acid, bis(1-methylethyl) ester & Isofluorphate	15	30	140	0.2	1.5	NE	n/a	Suspected per Scorecard	RTECS	N	Intpl, rat, 1.28 mg/kg (c)	Inhalation, mse 440 mg/m3/10M	Inhalation, rat 360 mg/m3/10M	n/f	n/f	n/f	n/f	n/f	n/f
97-74-5	Bis(dimethylthiocarbamoyl) sulfide	Tetramethylthiurammonosulfide	38	75	340	0.12	3.2	240	n/a	n/a	RTECS	Y	Intpl, mse 300 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
Carbamates																					
101-27-9	Carbamic, (3-chlorophenyl)-,4-chloro-2-butynyl ester	Barbane	60	120	540	0.29	84	1	n/a	n/a	n/a	Y	Orl, mse 322 mg/kg (d)	n/f	27400	n/f	n/f	n/f	n/f	0.5 RUSSIA	122F c.c.
1129-41-5	Carbamic acid, methyl- 3-methylphenyl ester	Metolcarb	38	75	340	1.8	4.1	16	n/a	n/a	n/a	Y	orl, mse 109 mg/kg	inhalation, rat 475 mg/m3	n/f	n/f	n/f	n/f	n/f	0.5 RUSSIA	n. flam
119-38-0	Carbamic acid,dimethyl-, 3 methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester	Isolan	38	75	340	0.15	3.7	24	n/a	n/a	n/a	Y? (e)	Intpl, mse 1 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
1929-77-7	Carbamothioic acid, dipropyl-, S-propyl ester	Vemolate; Vernam	38	75	340	0.54	180	0.94	n/a	n/a	n/a	Y	Orl, rat 1200 mg/kg	LC>1102 (f)	n/f	1.00E-03	NA	n/f	n/f	5, Skin, RUSSIA	252F O.C.
2008-41-5	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester	Butylate	38	75	340	0.54	310	0.51	n/a	Suspected per Scorecard	n/a	Y	Intpl, mse 365 mg/kg (g)	n/f	inh, mammal, 19g/m3/2H	5.00E-02	NA	n/f	n/f	n/f	230F Tag O.C.
23135-22-0	Ethanimidothoic acid, 2-(dimethylamino)-N-[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester	Oxamyl	38	75	340	0.71	3.2	13000	n/a	Suspected, per Scorecard	RT	N	Orl, mse 2.3 mg/kg (h)	Inhalation, rat 64 mg/m3	Inhalation, rat 170 mg/m3/1H	2.50E-02	NA	n/f (Skin)	n/f	n/f	flam
23422-53-9	Methanimidamide, N,N-dimethyl-N-[3-[[(methylamino)carbonyl]oxylphenyl]-,monohydrochloride	Formetanate hydrochloride	38	75	340	0.18	3.2	110	n/a	Suspected, per Scorecard	n/a	N	Intpl, rat 4.7 mg/kg	Inhalation, rat, 290	Inhalation, mammal, 2800	n/f	n/f	n/f	n/f	n/f	n/f
52888-80-9	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	Prosulfocarb	38	75	340	0.5	760	0.28	n/a	n/a	RTECS	N	Orl, rat 1820 mg/kg	n/f	Inhalation, rat >4700	n/f	n/f	n/f	n/f	n/f	n/f
644-64-4	Carbamic acid, dimethyl-,1[(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-y-l ester	Dimetilan	38	75	340	0.14	3.2	380	n/a	n/a	n/a	N	subc, mse 4 mg/kg (i)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	mod. Flam

(a) Oral, rat, 38 mg/kg; RTECS; (b) Intracerebral, mse, 4 mg/kg; Oral, dog, 3 mg/kg; Intpl, mse, 10 mg/kg; IV, rabbit, 5.5 mg/kg; Orl, wild bird species, 2.37 mg/kg; '(c) Oral, mse, 2 mg/kg; IV, mse, 3.2 mg/kg; Intpl, mse, 2.45 mg/kg; Intramuscular, rat, 1.8 mg/kg; Intramuscular, rabbit, .75 mg/kg; IV, rabbit, .3 mg/kg

(d) Oral, guinea pig, 240 mg/kg; Unreported mammal, (species unspecified), 240 mg/kg; (e) Mutation in microorganism; RTECS; (f) Inhalation, rat; (g) Oral, rat, 4 gm/kg; (h) Intpl, rat, 4 mg/kg; Orl, duck, 2.6 mg/kg; Oral, rat, 2.5 mg/kg

(i) Intpl, mse, 12 mg/kg; Oral, rat, 25 mg/kg; Oral, wild bird species, 9 mg/kg; (j) Noted in RTECS as being on EPA pesticide list; (k) Oral, dog, 225 mg/kg; Administration onto the skin, rabbit, 2500 mg/kg; (l) Oral, rat, 260 mg/kg; (m) Oral, mse, 130 mg/kg; Oral, rat, 200 mg/kg

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4/30/2008

Pesticides recommended for retention by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/ day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			<= 2 days (green), > 2 days (red)	< 1000 (green), 1000 to 5000 orange, > 5000 red	> 10 (green), 0.1 to 10 (orange), < 0.1 (red)	HLE = Human Limited Evidence		RT = information available at ReproEXPERT; n/a = no info available on RT		mg/kg	mg/m3	mg/m3/4hr	mg/kg/day	mg/m3		mg/m3	mg/m3	F
Amines																					
74-89-5	Methanamine	Monomethylamine	15	30	140	0.71	3.2	NE	n/a (u)	n/a	RT	Y	Oral rat 100 mg/kg	Inhalation mammal species unspecified 2,400 mg/m^3	Inhalation, mse 2400 mg/m3/2H	n/f	n/f	REL: 12 mg/m^3	PEL: 12 mg/m^3		NA (Gas) 14°F (Liquid)
Botanicals (Pyrethrins)																					
121-21-1	Pyrethrins	Pyrethrin I	38	75	340	0.0096	160	0.005	n/a	n/a	n/a	N	IV, rat, 2 mg/kg (l)	n/f	n/f	n/f	n/f	n/f	5 FINLAND	10 FINLAND	slight flam
121-29-9	Pyrethrins	Cyclopropanecarboxylic acid, 3-(3-methoxy-2-methyl-3-oxo-1-propenyl)-2,2-dimethyl, 2-methyl-4-oxo-3-(2,4-pentadienyl)	38	75	340	0.015	9.1	0.037	n/a	n/a	n/a	N	IV, rat, 1 mg/kg (m)	n/f	n/f	n/f	n/f	n/f	5 FINLAND	10 FINLAND	slight flam
8003-34-7	Pyrethrins	Pyrethrum	38	75	340	0.015	240	0.007	n/a	n/a	RTECS	N	Oral rat 200 mg/kg (n)	n/f	n/f	n/f	n/f	REL: 5 mg/m^3	PEL: 5 mg/m^3		180-190°F
Phenols																					
131-89-5	2-Cyclohexyl-4,6-dinitrophenol	Dinex	38	75	340	1.6	300	0.014	n/a	n/a	n/a	N	Intrl, mse, 25 mg/kg (o)	n/f	n/f	2.00E-03	NA	n/f (Skin)	n/f	n/f	n/a
2631-37-0	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate	Promecarb	38	75	340	0.88	49	1.3	n/a	n/a	n/a	N	IV, rat 5 mg/kg	n/f	Inhalation, rat 160	n/f	n/f	n/f (Skin)	n/f	n/f	n/f
64-00-6	Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumenyl methylcarbamate)	N-Methylcarbamate, m-isopropylphenyl	38	75	340	1.5	21	3.4	n/a	n/a	n/a	N	IV, mse 1.41 mg/kg (p)	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	n/f	n/f
Phosphates																					
3288-58-2	O,O-Diethyl S-methyl dithiophosphate		15	30	140	0.17	28	NE	n/a	n/a	n/a	N	Orl, mse 156 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
757-58-4	Hexaethyl tetraphosphate		38	75	340	0.14	3.2	NE	n/a	Suspected, per Scorecard	n/a	N	subc, rat, 0.64 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
Naphthalenes																					
117-80-6	Dichlone	1,4-Naphthalenedione, 2,3-dichloro-	38	75	340	12	3.1	2.7	n/a (q)	n/a	n/a	Y	Intpl, mse, 30 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	0.5 RUSSIA	Not pertinent
130-15-4	1,4-Naphthoquinone		15	30	140	2.9	0.6	7.5	n/a (r)	Suspected per Scorecard	n/a	Y	Intpl, mse 5.5 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	0.1, Skin, RUSSIA	n/f
Benzene related compounds																					
608-93-5	Pentachlorobenzene		180	360	1600	280	1900	0.038	n/a	Suspected, per Scorecard	Benzene: Yes, per Prop 65, male	Y	Orl, rat 940 mg/kg	n/f	n/f	8.00E-04	NA	n/f	n/f	n/f	n. flam

(a) Oral, rat, 38 mg/kg; RTECS; (b) Intracerebral, mse, 4 mg/kg; Oral, dog, 3 mg/kg; Intpl, mse, 10 mg/kg; IV, rabbit, 5.5 mg/kg; Orl, wild bird species, 2.37 mg/kg; '(c) Oral, mse, 2 mg/kg; IV, mse, 3.2 mg/kg; Intpl, mse, 2.45 mg/kg; Intramuscular, rat, 1.8 mg/kg; Intramuscular, rabbit, .75 mg/kg; IV, rabbit, .3 mg/kg

(d) Oral, guinea pig, 240 mg/kg; Unreported mammal, (species unspecified), 240 mg/kg; (e) Mutation in microorganism; RTECS; (f) Inhalation, rat; (g) Oral, rat, 4 gm/kg; (h) Intpl, rat, 4 mg/kg; Orl, duck, 2.6 mg/kg; Oral, rat, 2.5 mg/kg

(i) Intpl, mse, 12 mg/kg; Oral, rat, 25 mg/kg; Oral, wild bird species, 9 mg/kg; (j) Noted in RTECS as being on EPA pesticide list; (k) Oral, dog, 225 mg/kg; Administration onto the skin, rabbit, 2500 mg/kg; (l) Oral, rat, 260 mg/kg; (m) Oral, mse, 130 mg/kg; Oral, rat, 200 mg/kg

(n) IV, dog, 7 mg/kg; Intpl, rat, 189 mg/kg; Subc, frog, 5.8 mg/kg; Unreported, bird (domestic), 5620 ppm; Intpl, pig, 102 mg/kg; (o) Oral, mse, 50 mg/kg; Intramuscular, pigeon, 8 mg/kg; Oral, chicken, 76 mg/kg; Oral, guinea pig, 50 mg/kg; Oral, rat, 65 mg/kg; unreported mammal (species unspecified), 50 mg/kg

(p) Intpl, mse, 3.1 mg/kg; Oral, mse, 16 mg/kg; IV, rat 3.15 mg/kg; Oral, chicken, 12 mg/kg - Other similar data available; (q) No data on IARC site; + CCRIS mutagenicity data available; '(r) No data on IARC site; + CCRIS mutagenicity data available; CCRIS Tumor promotion study listed

(s) Intpl, mouse, 1460 mg/kg; Intpl, rat, 1600 mg/kg; IV, rat, 1700 mg/kg; Oral, mse, 1940 mg/kg ; (t) Requires more info, websites suggesting restriction on waste amounts; (u) + mutagenicity data RTECS & CCRIS, expub.com

DRAFT
4/30/2008

Pesticides recommended for no action by the Science Advisory Board

Scientific Data

CAS#	Chemical Name	Synonyms	Water	Soil	Sediment	Air	BCF	Chronic Fish ChV (mg/l)	IARC	Neurotoxicity	Developmental/ Reproductive Toxicity	Mutagenicity	LD50 (mg/kg)	LC50 (mg/m*3)	LC50 (mg/m3/4hr)	RfD(mg/kg/ day)	RfC (mg/m3)	NIOSH-REL	TLV(TWA) mg/m3	TLV-STEL mg/m3	FP (°F)
TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http://www.cdc.gov/niosh/npg/			NIOSH or MSDS's
			Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**		**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
Unclassified																					
30558-43-1	Ethanimidothioci acid, 2-(dimethylamino-n-hydroxy-2 oxo-, methyl ester (A2213)		15	30	140	0.83	3.2	NE	n/a	n/a	n/a	N	Orl, rat >7 gm/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
51026-28-9	Carbamodithioic acid, (hydroxymethyl)methyl-,monopotassium salt (potassium n-hydroxymethyl-n-methyldithiocarbamate)		15	30	140	0.12	3.2	3400	n/a	n/a	n/a	N	Orl, rat 590 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
Carbamates																					
39196-18-4	Thiofanox	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-(methylamino)carbonyl oxime	38	75	340	1	26	15	n/a	n/a	n/a	N	Intpl, mammal, >1000 mg/kg	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	n/f	flam
Amines																					
13952-84-6	sec-Butylamine	2-Butanamine	15	30	140	0.36	3.2	NE	n/a	n/a	n/a	N	Orl, rat 147 mg/kg	n/f	n/f	n/f	n/f	n/f	15 NORWAY	75 SWITZ	16F C.C.
513-49-5	sec-Butylamine	2-Butanamine, (S)-	15	30	140	0.36	3.2	NE	n/a	n/a	n/a	N	Orl, rat 380 mg/kg (k)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
Phenols																					
17702-57-7	Methanimidamide, N,N-dimethyl-N-[2-methyl-4-[[(methylaino)carbonyl]oxy] phenol]-	Formparanate	60	120	540	0.083	3.2	220	n/a	n/a	n/a	N	Orl, rat 7.2 mg/kg	n/f	n/f	n/f	n/f	n/f (Skin)	n/f	n/f	n/f (flam gases may explode in fire)

k) Oral, dog, 225 mg/kg; Administration onto the skin, rabbit, 2500 mg/kg

G. Phenols (7)

Phenols recommended for retention by the Science Advisory Board																					
Scientific Data																					
1300-71-6	Xylenol	Phenol, dimethyl-	15	30	140	0.22	12	0.078	n/a	n/a	n/a	N	*n/a	n/f	n/f	n/f	n/f	n/f	n/f	n/f	163F c.c.
1563-38-8	7-Benzofuranol,2,3-dihydro-2,2-dimethyl-	Carbofuran phenol	38	75	340	0.21	8	0.078	n/a	n/a	RTECS	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
22961-82-6	1,3-Benzodioxol-4-ol,2,2-dimethyl-	Bendiocarbphenol							n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
25154-55-6	Nitrophenol (mixed isomers)		15	30	140	18	4.8	0.18	n/a	Suspected, per Scorecard	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	336.2F
329-71-5	2,5-Dinitrophenol		38	75	340	32	4.4	0.34	*n/a (a)	n/a	n/a	Y	intl, rat, 150 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a
554-84-7	m-Nitrophenol		15	30	140	5.4	6.9	0.18	*n/a (a)	n/a	n/a	Y	Orl, rat, 328 mg/kg	n/f	n/f	n/f	n/f	n/f	3 mg/m3 RUSSIA	6 mg/m3 (skin) RUSSIA	not pertinent (solid)
573-56-8	2,6-Dinitrophenol		38	75	340	24	2.3	0.34	n/a	n/a	n/a	N	Itpl, rat, 38 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/a

Notes not considered by SAB: (a) RTECS/CCRIS, expub.com

H. Non-categorized (43)

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	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	Z	AA	AB	AC
1	**Non-categorized chemicals recommended for retention by the Science Advisory Board**																					
2	**Scientific Data**																					
3	**CAS#**	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/ day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
4	TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http:// monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_n=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http: //www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
5				**Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)**			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange) < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT ; n/a = no info available on RT**	**Y = on the CMR list**	**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
6																						
7	7719-12-2	Phosphorous trichloride	Phosphorus trichloride	15	30	140	180	7	13	n/a	Suspected, per Scorecard	n/a	N	orl, rat, 18 mg/kg	inhalation, rat 132 mg/m3	inhalation, rat 104 ppm/4H	n/f	n/f	TWA=1.5 mg/m3; ST= 3mg/m3	0.2ppm	0.5ppm; 0.2mg/m3 (Skin) RUSSIA	n. flam
8	10544-72-6	Nitrogen dioxide	Nitrogen tetroxide	**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	n/f	inl, rat, 105mg/m3	n/f	n/f	n/f	n/f	10ppm 29 mg/m3 BELGIUM	n/f	n. flam
9	110-75-8	2-Chloroethyl vinyl ether	Ethene, (2-chloroethoxy)-	15	30	140	0.32	1.6	NE	n/f	n/a	n/a	N	orl, rat, 210mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	80F
10	12771-08-3	Sulfur monochloride		**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	OSHA: PEL: 6mg/m3; 1ppm	ACGIH STEL: 18mg/m3/15min	244.4F
11	1338-23-4	Methyl ethyl ketone peroxide	Ketonox	15	30	140	1.8	3.2	NE	n/a (1)	n/a	RT	Y	Oral mse 250 mg/kg (2)	Inhalation mse 170ppm/4H	Inhalation mse 2.500 mg/m^3/4 hour	n/f	n/f	REL: 0.2 ppm (1.5 mg/m3) (Ceiling)	1mg/m3 NORWAY	1.5mg/m3 (Skin) FINLAND	125-200°F (180F c.c.)
12	142-28-9	1,3-Dichloropropane		38	75	340	20	6.9	5.7	n/a	n/a	n/a	Y	Mse, 3600 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	60F o.c.; 70F c.c.
13	26638-19-7	Dichloropropane		38	75	340	19	11	6.5	n/a	n/a	n/a	Y	n/f	n/f	n/f	n/f	n/f	n/f	350mg/m3	510mg/m3/15 min	Very low
14	26952-23-8	Dichloropropene		38	75	340	3.8	18	NE	n/a	n/a	n/a	Y	n/f	n/f	n/f	n/f	n/f	n/f	4.5mg/m3, Skin, BELGIUM; CA AUSTRALIA	3mg/m3 RUSSIA	95F; 82F; 50F isomer specific
15	353-50-4	Carbonic difluoride	Carbonyl fluoride	15	30	140	180	3.2	NE	n/a	n/a	n/a	N	n/f	n/f	Inhalation rat 360 ppm/1 hour	n/f	n/f	REL: 5 mg/m^3 15 mg/m3 ST	2ppm	5ppm	n. flam
16	506-96-7	Acetyl bromide		15	30	140	1800	3.2	NE	n/a	n/a	n/a	N	Itpl, mse, 250 mg/kg	48000	n/f	n/f	n/f	n/f	n/f	n/f	does not burn
17	594-42-3	Methanesulfenyl chloride, trichloro-		60	120	540	180	93	0.93	n/a	n/a	n/a	N	Oral rat 82.6 mg/kg	296 mg/m3/2H	11 ppm/1H	n/f	n/f	air - 0.1ppm; REL: 0.8 mg/m^3	PEL: 0.8 mg/m^3; 0.1 ppm	0.1ppm (0.8mg/m3) FINLAND	n. flam
18	598-31-2	Bromoacetone	1-Bromo-2-propanone	15	30	140	54	3.2	580	n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f	124F
19	75-36-5	Acetyl chloride		15	30	140	1800	3.2	NE	n/a	n/a	n/a	Y (7)	Orl, rat, 910 mg/kg	n/f	n/f	no data	no data	n/f	n/f	n/f	40F c.c.
20	78-99-9	1,1-Dichloropropane		38	75	340	19	11	6.5	n/a	n/a	n/a	N	Orl, rat 6500 mg/kg	n/f	n/f	n/f	n/f	n/f	n/f (8)	n/f (8)	60F o.c.; 70F c.c.
21	91-58-7	2-Chloronaphthalene		38	75	340	1	230	0.41	n/a	n/a	n/a	N	Orl, mse 886 mg/kg	n/f	n/f	8.00E-02	no data	n/f	0.2 mg/m3; FINLAND	0.6 mg/m3 (skin); FINLAND	n/f
22	(1321-65-9)	Chlorinated Naphthalene	Trichloronaphthalene	60	120	540	7.9	7,100	0.044	n/a	Naphthalene, suspected per Scorecard	Y for hexachloronaphthalene	n/f	n/f	n/f	n/f	Naphthalene 0.02	Naphthalene 0.003	TWA 5mg/m3 (skin)	5, Skin	1 mg/m3, skin, RUSSIA	392F
23	(115-29-7)	Endosulfan and Metabolites		180	360	1600	2	180	NE	n/a	Endosulfan, suspected per Scorecard	RT	Y	Endosulfan: Oral rat 18 mg/kg	Endosulfan: Inhalation rat 0.16 gm/m^3	Endosulfan: Inhalation rat 80 mg/m^3/4 hour	Endosulfan: 0.006	NA	Endosulfan: REL: 0.1 mg/m3 skin	0.1 mg/m3 (skin)	0.1 mg/m3 (skin); RUSSIA	NA (flam)
24	**Aldehydes**																					
25	107-20-0	Chloroacetaldehyde		15	30	140	5	3.2	11	n/a	n/a	n/a	Y	intpl, mse, 7mg/kg	ihl, rat, 650mg/m3/1H	n/f	n/f	n/f	Air - CL 1 ppm	CL 1ppm	3mg/m3 FINLAND	190F c.c. (40% aq. Soln)
26	**Esters**																					
27	57-47-6	Pyrrolo[2,3-b] indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-,	Physostigmine	60	120	540	0.054	3.3	57	*n/a (a)	Suspected, per Scorecard	RTECS	N	IV, Mse, 400 ug/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
28	97-63-2	Ethyl methacrylate	2-Propenoic acid, 2-methyl-, ethyl ester	15	30	140	0.46	6.2	NE	n/a	Suspected per Scorecard	RTECS	Y	Intl, rat 1223 mg/kg	n/f	8300ppm/4H	n/f	n/f	n/f	250 mg/m3 NORWAY	50 mg/m3 RUSSIA	85F o.c.; 80F c.c.
29	(1) Tumorigenic data found in RTECS, positive mutagenic results in CCRIS; (2) Additional data found; Intraperitoneal, rat, 65 mg/kg; (3) Additional data found; Intraperitoneal, rat, 1670 mg/kg.																					
30	(4) No TLV's for specific polycyclic aromatic hydrocarbons; OSHA PEL (TWA) for Coal Tar Volatiles (Benzene-soluble fraction) Anthracene, BAP, Phenanthrene, Acridine, Chrysene, Pyrene is 0.2 mg/m3. OSHA categorizes particulate PAH's as human carcinogens.																					
31	(5) ALE = Animal Limited Evidence; IARC Cancer Reviews; RTECS; (6) "1,3-Pentadiene (piperylene) is a food contaminant resulting from the metabolism of some molds. It was not mutagenic in bacterial assays (1). Treatment of male and female rats with up to 1000 mg/kg/day from two weeks before mating through the fourth																					
32	(7) Positive data found RTECS - Gene Conversion and Mitotic Recombination, *Drosophila melanogaster*, oral, 62500umol/L; CCRIS data negative; expub.com																					
33	(8) There are no OSHA regulations or recommendations by ACGIH or NIOSH for any Dichloropropanes in workplace air other than 1,2-dichloropropane (propylene dichloride). Regulations: OSHA PEL: 350mg/m3. Recommendations: ACGIH TLV (TWA) 350mg/m3, STEL 510m																					
34	(9) n/c = not classifiable																					

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	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	Z	AA	AB	AC
1	**Non-categorized chemicals recommended for no action by the Science Advisory Board**																					
2	**Scientific Data**																					
3	**CAS#**	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
4	TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http:// monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf; expub.com	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
5				**Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)**			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence		**RT = information available at ReproEXPERT; n/a = no info available on RT**	**Y = on the CMR list**	**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
6																						
7	120-54-7	Piperidine, 1,1-(tetrathiodicarbonothioyl)-bis-(Bis(pentamenthylene)thiuram tetrasulfide)		38	75	340	0.025	510	0.28	n/a	n/a	n/a	N	intpl, mse, 200mg/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	n/f
8	1314-80-3	Sulfur phosphide		**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	Oral rat 389 mg/kg	n/f	n/f	n/f	n/f	REL: 1 mg/m^3 ST 3 mg/m^3	TLV: 1 mg/m^3; ACGIH 1mg/m3	3mg/m3	Flam solid
9	1333-83-1	Sodium bifluoride		**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	n/f	n/f	n/f	n/f	n/f	3ppm (10H); 6ppm ST	TWA 2.5 mg (F)/m3	2.0 mg (F)/m3	n. flam
10	16923-95-8	Zirconium potassium fluoride		**Cannot be profiled using the PBT Profiler**						n/c (9)	n/a	n/a	N	Orl, mse, 98 mg/kg	n/f	n/f	n/f	n/f	10H Air - 2.5mg (Zr)/m3	5mg (Zr)/m3 : ACGIH	10mg (Zr)/m3 : ACGIH	n. flam
11	208-96-8	Acenaphthylene		15	30	140	0.035	220	0.3	n/a	n/a	n/a	Y	Orl, mse, 1760 mg/kg (3)	n/f	n/f	no data	no data	n/f	n/f (4)	n/f	n/a
12	504-60-9	1,3-Pentadiene	1-Methyl Butadiene	8.7	17	78	0.092	15	2.6	n/a	n/a	n/a (6)	N	n/f	Inh, mse, 1100mg/m3/2H	Inh, rat, 97200 mg/m3/4H	n/f	n/f	n/f	n/f	40mg/m3 RUSSIA	-20F c.c
13	7783-50-8	Ferric fluoride		**Cannot be profiled using the PBT Profiler**						n/a	n/a	n/a	N	IV, mse 18 mg/kg	n/f	n/f	n/f	n/f	Air - 10H - TWA 2.5 mg(F)/m3	1mg (Fe)/m3	2mg (F)/m3; HUNGARY	Not pertinent
14	79-31-2	iso-Butyric acid	Propanoic acid, 2-methyl-	8.7	17	78	7.9	3.2	620	n/a	n/a	n/a	N	Orl, rat 280 ul/kg	n/f	n/f	n/f	n/f	n/f	n/f	n/f	170F o.c.
15	10026-11-6	Zirconium tetrachloride		**Cannot be profiled using the PBT Profiler**						n/c (9)	n/a	n/a	N	Intl, mse 400 mg/kg	n/f	n/f	n/f	n/f	n/f	5mg (Zr)/m3 : ACGIH	10mg (Zr)/m3 : ACGIH	n. flam
31	(1) Tumorigenic data found in RTECS, positive mutagenic results in CCRIS; (2) Additional data found; Intraperitoneal, rat, 65 mg/kg; (3) Additional data found; Intraperitoneal, rat, 1670 mg/kg.																					
32	(4) No TLV's for specific polycyclic aromatic hydrocarbons; OSHA PEL (TWA) for Coal Tar Volatiles (Benzene-soluble fraction) Anthracene, BAP, Phenanthrene, Acridine, Chrysene, Pyrene is 0.2 mg/m3. OSHA categorizes particulate PAH's as human carcinogens.																					
33	(5) ALE = Animal Limited Evidence; IARC Cancer Reviews; RTECS; (6) "1,3-Pentadiene (piperylene) is a food contaminant resulting from the metabolism of some molds. It was not mutagenic in bacterial assays (1). Treatment of male and female rats with up to 1000 mg/kg/day from two weeks before mating through the fourth																					
34	(7) Positive data found RTECS - Gene Conversion and Mitotic Recombination, *Drosophila melanogaster,* oral, 62500umol/L; CCRIS data negative; expub.com																					
35	(8) There are no OSHA regulations or recommendations by ACGIH or NIOSH for any Dichloropropanes in workplace air other than 1,2-dichloropropane (propylene dichloride). Regulations: OSHA PEL: 350mg/m3. Recommendations: ACGIH TLV (TWA) 350mg/m3, STEL 510m																					
36	(9) n/c = not classifiable																					

I. <u>IARC 1, 2, & 3 (64)</u>

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4/30/2008

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	W	X	Y	Z
1	**IARC 1, 2, & 3 chemicals recommended for retention by the Science Advisory Board**																					
2	**Scientific Data**																					
3	**CAS#**	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
4	TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
5				**Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)**			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence				**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
6																						
7	12789-03-6	Chlordane (Technical Mixture and Metabolites)		**180**	**360**	**1600**	**3.2**	**12000**	**NE**	2B	Chlordane, suspected per Scorecard						5.00E-04	7.00E-04				
10	(75-00-3)	Chlorinated Ethanes	Chloroethane	**15**	**30**	**140**	**39**	**2.5**	**14**	3	Suspected per scorecard	Y										
11	(107-30-2)	Chloroalkyl Ethers	Methyl chloromethyl ether	**15**	**30**	**140**	**7.1**	**3.2**	**220**	1; recognized carcinogen, P65	n/a											
12		Coke Oven Emissions								1							NA	NA	REL: 0.2 mg/m^3 (benzene-soluble fraction) CA	PEL: 0.150 mg/m^3 (benzene-soluble		
13		DDT and Metabolites		**180**	**360**	**1600**	**4.6**	**42000**	**NE**	2B	DDT Suspected per Scorecard			DDT: Oral rat 87 mg/kg			DDT: 0.0005	NA	DDT: REL: 0.5 mg/m3 CA	DDT: PEL: 1 mg/m3 skin		162-171°F
14	91-94-1	Dichlorobenzidine	3-3'-Dichlorobenzidine	**60**	**120**	**540**	**0.4**	**100**	**0.076**	2B	Suspected per Scorecard						NA	Not Verifiable Status	REL: none given only as a CA	PEL: none given only as an OSHA regulated CA		
15		Endrin and Metabolites		**180**	**360**	**1600**	**1.8**	**2000**	**NE**	3	Endrin, suspected per Scorecard	Endrin: Yes, per Prop 65										
16		Fine mineral fibers								2B												
17		Heptachlor and Metabolites		**180**	**360**	**1600**	**0.046**	**9900**	**NE**	2B	Heptachlor, suspected per Scorecard	Heptachlor: Yes, per Prop 65		Heptachlor: Oral rat 40 mg/kg			Heptachlor: 0.0005	NA	Heptachlor: REL: 0.5 mg/m3 skin CA	Heptachlor: PEL: 0.5 mg/m3 skin		
18	608-73-1	Hexachlorocyclohexane (all isomers)		**180**	**360**	**1600**	**83**	**310**	**0.3**	2B							NA	NA				
19	1024-57-3	Heptachlor epoxide		**180**	**360**	**1600**	**3.1**	**1400**	**NE**	2B							1.30E-05	NA				
20	11097-69-1	Aroclor 1254		**180**	**360**	**1600**	**50**	**140000**	**0.0014**	2A	Suspected, per Scorecard			Oral rat 1,010 mg/kg	Non-mammalian species 100 gm/m^3		2.00E-05	NA	REL: 0.001 mg/m3 CA	PEL: 0.5 mg/m^3 skin		NA
21	1116-54-7	N-Nitrosodiethanolamine	Ethanol, 2,2'-(nitrosoimino)bis-	**15**	**30**	**140**	**0.54**	**3.2**	**NE**	2B							NA	NA				
22	115-02-6	Azaserine		**8.7**	**17**	**78**	**0.4**	**3.2**	**NE**	2B												
23	122-42-9	Carbamic acid, phenyl-, 1-methylethyl ester	Propham	**15**	**30**	**140**	**0.31**	**20**	**3**	3							2.00E-02	NA				
24	123-33-1	Maleic hydrazide		**15**	**30**	**140**	**1**	**3.2**	**0.81**	3							5.00E-01	NA				
25	123-73-9	2-Butenal, (e)-	Crotonaldehyde, (E)-	**15**	**30**	**140**	**0.42**	**3.2**	**4.2**	3	Suspected, per Scorecard						NA	NA				
26	124-48-1	Chlorodibromomethane		**38**	**75**	**340**	**280**	**9.2**	**36**	3	Suspected, per Scorecard						2.00E-02	NA				
27	129-00-0	Pyrene		**60**	**120**	**540**	**0.32**	**1100**	**0.055**	3	Suspected, per Scorecard						3.00E-02	NA				
28	143-50-0	Kepone	Chlordecone	**180**	**360**	**1600**	**180**	**2900**	**0.14**	2B	Suspected, per Scorecard	Yes, per Prop 65		Oral rat 96 mg/kg					REL: 0.001 mg/m3 CA			NA
29	14644-61-2	Zirconium sulfate		**Cannot be profiled using the PBT Profiler**						3												
30	148-18-5	Carbamodithioic acid, diethyl-,sodium salt (sodium diethyldithiocarbamate)	Ditiocarb sodium	**15**	**30**	**140**	**0.19**	**3.9**	**16000**	3							3.00E-02	NA				

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	W	X	Y	Z
31	**IARC 1, 2, & 3 chemicals recommended for retention by the Science Advisory Board**																					
32	**Scientific Data**																					
33	**CAS#**	**Chemical Name**	**Synonyms**	**Water**	**Soil**	**Sediment**	**Air**	**BCF**	**Chronic Fish ChV (mg/l)**	**IARC**	**Neurotoxicity**	**Developmental/ Reproductive Toxicity**	**Mutagenicity**	**LD50 (mg/kg)**	**LC50 (mg/m*3)**	**LC50 (mg/m3/4hr)**	**RfD(mg/kg/day)**	**RfC (mg/m3)**	**NIOSH-REL**	**TLV(TWA) mg/m3**	**TLV-STEL mg/m3**	**FP (°F)**
34	TURI Report No. 18, 1999			PBT Profiler: http://www.pbtprofiler.net/						http://monographs.iarc.fr/index.php	Scorecard's List of Neurotoxicants: http://www.scorecard.org/health-effects/chemicals-2.tcl?short_hazard_name=neuro&all_p=t	California Prop 65 list: http://www.oehha.ca.gov/prop65/prop65_list/files/P65single092906.pdf	EU Consolidated CMR list: http://www.chemicalspolicy.org/downloads/cmrlist.pdf	RTEC from NIOSH pkt guide or MSDS (SEE NOTES but many from Mallinckrodt/JT baker, Phys chem dept @ Oxford Univ. many updated in 2005/2006) http://www.cdc.gov/niosh/npg/ http://www.mallbaker.com/default.asp			Integrated Risk Information System: http://www.epa.gov/iris/		NIOSH Pocket Guide. NIOSH limits unless otherwise specified (CA means a chemical is thought to be a carcinogen by NIOSH) C= ceiling and ST = short term exposure limits http:// www.cdc.gov/niosh/npg/			NIOSH or MSDS's
35				**Low < 60 days (green), Medium 60-180 days (orange), High > 180 days (red)**			**<= 2 days (green), > 2 days (red)**	**< 1000 (green), 1000 to 5000 orange, > 5000 red**	**> 10 (green), 0.1 to 10 (orange), < 0.1 (red)**	HLE = Human Limited Evidence				**mg/kg**	**mg/m3**	**mg/m3/4hr**	**mg/kg/day**	**mg/m3**		**mg/m3**	**mg/m3**	**F**
36																						
37	148-82-3	Melphalan		60	120	540	0.071	3.2	NE	1		Yes, per Prop 65										
38	1615-80-1	Hydrazine, 1,2-diethyl-		15	30	140	0.11	3.2	0.16	2B												
39	18883-66-4	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbo	Streptozotocin	15	30	140	0.15	3.2	NE	2B		Yes, per Prop 65, female and male										
40	110-00-9	Furan		15	30	140	0.37	2.2	23	2B							1.00E-03	NA				
41	20830-81-3	Daunomycin		60	120	540	0.11	0.74	0.52	2B												
42	225-51-4	Benz[c]acridine		60	120	540	0.58	560	0.15	3												
43	303-34-4	Lasiocarpine		60	120	540	0.018	1.9	11	2B												
44	305-03-3	Chlorambucil		60	120	540	0.083	3.2	NE	1	Suspected, per Scorecard	Yes, per Prop 65										
45	315-18-4	Mexacarbate	Zectran	38	75	340	0.54	19	5.6	3	Suspected, per Scorecard											
46	3165-93-3	4-Chloro-o-toluidine, hydrochloride		38	75	340	0.42	11	0.16	2A												
47	494-03-1	Chlornaphazine		60	120	540	0.079	1100	0.087	1												
48	50-07-7	Mitomycin C		60	120	540	0.15	3.2	860	2B	Suspected, per Scorecard											
49	50-18-0	Cyclophosphamide		38	75	340	0.23	3.2	200	1	Suspected, per Scorecard	Yes, per Prop 65, female and male										
50	50-29-3	DDT	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis 4-chloro-	180	360	1600	4.6	42000	NE	2B	Suspected, per Scorecard	Yes, per Prop 65, female and male		Oral rat 87 mg/kg			5.00E-04	NA	REL: 0.5 mg/m3 CA	PEL: 1 mg/m3 skin		162-171°F
51	50-55-5	Reserpine	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-(3,4,5-trimethoxybenzoyl)ox	180	360	1600	0.042	72	2.9	3	Suspected, per Scorecard											
52	509-14-8	Methane, tetranitro-	Tetranitromethane	38	75	340	31	3.2	62000	2B				Oral rat 130 mg/kg		Inhalation rat 18 ppm/4 hour			REL: 8 mg/m^3	PEL: 8 mg/m^3		
53	540-73-8	Hydrazine, 1,2-dimethyl-		15	30	140	0.12	3.2	0.31	2A	Suspected, per Scorecard											
54	56-04-2	Methylthiouracil	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	15	30	140	0.27	2.6	0.3	2B												
55	56-53-1	Diethylstilbestrol	Phenol, 4,4'-(1,2-diethyl-1,2-	38	75	340	0.0011	1600	0.008	1	Suspected, per Scorecard	Yes, per Prop 65										
56	60-57-1	Dieldrin		180	360	1600	1.8	2000	NE	3	Suspected, per Scorecard			Oral rat 38,300 µg/kg		Inhalation rat 13 mg/m^3/4 hour	5.00E-05	NA	REL: 0.25 mg/m3 skin CA	PEL: 0.25 mg/m3 skin		NA
57	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-		38	75	340	12	3.2	NE	2A												
58	72-20-8	Endrin		180	360	1600	1.8	2000	NE	3	Suspected, per Scorecard	Yes, per Prop 65		Oral rat 3 mg/kg			3.00E-04	NA	REL: 0.1 mg/m3 skin	PEL: 0.1 mg/m3 skin		NA
59	72-54-8	DDD	TDE & p,p'-DDD	180	360	1600	3.7	8600	NE	2B	Suspected, per Scorecard						NA	NA				
60	72-55-9	DDE	1, 1'-(Dichloroethenylidene)bis[4-chlorobenzene],	180	360	1600	1.1	20000	NE	2B	Suspected, per Scorecard						NA	NA				
61	75-60-5	Cacodylic acid		**Cannot be profiled using the PBT Profiler**						1							NA	NA				
62	7723-14-0	Phosphorus		**Cannot be profiled using the PBT Profiler**						1	Suspected, per Scorecard			Oral rat 3,030 µg/kg			2.00E-05	NA	REL: 0.1 mg/m^3	PEL: 0.1 mg/m^3		
63	8014-95-7	Oleum (fuming sulfuric acid)	Sulfuric acid, mixture with sulfur trioxide	**Cannot be profiled using the PBT Profiler**						1				Sulfuric acid: Oral rat 2140 mg/kg	Inhalation rat 347 ppm/1-hr.	Sulfuric acid: Inhalation rat 510 mg/m3/2H				TLV: Sulfuric acid: 0.2 mg/m3 (T) CA		
64	81-07-2	Saccharin and salts	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide	15	30	140	2.7	3.2	0.14	3												
65	930-55-2	N-Nitrosopyrrolidine	Pyrrolidine, 1-nitroso-	38	75	340	1	3.2	NE	2B							NA	NA				
66	97-77-8	Thioperoxydicarbonic diamide,tetraethyl	Disulfiram	38	75	340	0.041	190	1	3	Suspected, per Scorecard			Oral rat O265500 mg/kg					REL: 2 mg/m3 Precautions should be taken to avoid concurrent exposure to ethylene dibromide (per NIOSH)			NA
67	99-08-1	m-Nitrotoluene	Benzene, 1-methyl-3-nitro-	38	75	340	17	15	6.4	3				Oral rat 1,072 mg/kg	Inhalation rat 693 mg/m3				REL: 11 mg/m3 skin	PEL: 30 mg/m3 skin		223°F